



RAAT

COMMERCIAL LIGHTING
MANUFACTURE **VOL.08**

ARCHITECTURAL LIGHTING

PHOTOMETRIC DATA

LIGHTING GUIDE

COMMERCIAL LIGHT MANUFACTURE

FIXTURES COLLECTION
CATALOGUE '18-'19

your **LED** partner
RAAT

VOL.08 NEW CATALOGUE 2018-2019

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ARCHITECTURAL LIGHTING




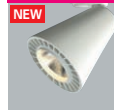




































PHOTOMETRIC DATA

LIGHTING GUIDE







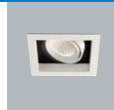
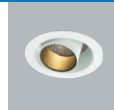
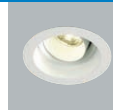


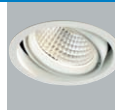




COMMERCIAL LIGHT MANUFACTURE

index **NEW LED LUMINAIRES 2018-2019**

ACCENT LIGHT, TRACK SYSTEM

 AIRWAY ø 78 COB 12 DDC-65360	 AIRWAY ø 99 COB 13 DDC-65361	 UNICO COB 14 DDC-65190 Series	 SMOOTH COB 20 DDC-65290.01 Series	 SMOOTH SMD 22 DDC-65290.02 Series	 IPSE COB 24 DDC-65240 Series	 FOCUS COB 28 DDC-65070.03	 FOCUS COB 30 DDC-65260	 FOCUS COB 32 DDC-65270
 ABACO-S ø 150 SMD 36 DDC-65250	 ABACO-S ø 200 SMD 38 DDC-65130.01 Series	 ABACO-S ø 120 LED Lamp 40 DDC-65132.02 Series	 ABACO-S ø 120 COB 42 DDC-65130.05 Series	 PEACH LED Lamp 44 DDC-65301 Series	 C-SPINE ø 60 COB 50 DDC-65160 Series	 C-SPINE ø 81 COB 54 DDC-65170.01 Series	 C-SPINE ø 102 COB 56 DDC-65180 Series	 MANGO COB 58 DDC-65140 Series
 ROLL ø 65x135 LED Lamp 62 DDC-65340.01 Series	 ROLL ø 65x165 LED Lamp 64 DDC-65341.01 Series	 ROLL ø 65x165 COB 65 DDC-65341.06 Series	 ROLL ø 71 COB 66 DDC-65070.05	 ROLL ø 83 COB 67 DDC-65170.05 Series	 CONIC COB 68 DDC-65250 Series	 MONOCLE COB 70 DDC-65150 Series	 BLACK TIE COB 72 DDC-63732	 ISSIMO COB 76 DDC-65100 Series
 VANITY ø 76 COB 82 DDC-65080	 VANITY ø 107 COB 83 DDC-65090	 AURORA POWER LED 86 DDC-65010 Series	 AURORA COB 88 DDC-65060 Series	 AURORA COB 90 DDC-65062.01	 TWINKLE COB 92 DDC-65070 Series	 iCAN COB 94 DDC-63812 Series	 iCAN LED Lamp 95 DDC-63822 Series	 BOLA LED Lamp 96 DDC-63312.01
 KISS LED Lamp 100 DDC-63522.01	 KISS LED Lamp 101 DDC-63572.01	 KISS POWER LED 102 DDC-65110 Series	 KIO POWER LED 104 DDC-65120	 DIMPLE LED Engine 108 DDC-65220 Series	TRACK SYSTEM	 1-CIRCUIT TRACK SYSTEM 297 DR-101 Series	 3-CIRCUIT TRACK SYSTEM 298 DR-301 Series	 DALI TRACK SYSTEM 300 DR-401 Series

MULTI DOWN LIGHT

 MULTIPL-O POWER LED 114 DD-37000.01 Series	 MULTIPL-O COB 118 DD-37000.02 Series	 MULTIPL-O POWER LED 122 DD-37000.04 Series	 MULTIPL-O COB 124 DD-37000.06 Series	 MULTIPL-O COB 126 DD-37000.08 Series	 MULTIPL-O COB 128 DD-37000.09 Series	 MULTIPL-O COB 130 DD-37000.10 Series	
 MULTIPL-S LED Lamp 134 DD-30013.01 Series	 MULTIPL-S COB 136 DD-37100.03 Series	 MULTIPL-S COB 138 DD-37110.06 Series	 MULTIPL-S COB 140 DD-37110.07 Series	 MULTIPL-S COB 142 DD-37110.08 Series	 MULTIPL-S COB 144 DD-37110.09 Series		
 MULTIPL-L POWER LED 148 DD-37200.01 Series	 MULTIPL-L COB 150 DD-37200.03 Series	 MULTIPL-L COB 154 DD-37200.04 Series	 MULTIPL-L LED Lamp 156 DD-37200.05 Series	 MULTIPL-L LED Lamp 158 DD-37200.06 Series	 MULTIPL-T POWER LED 160 DD-12200.01	 MULTIPL-T COB 161 DD-12200.02 Series	 QUATTRO-D POWER LED 164 DD-30510 Series

DOWN LIGHT,
WALL & CEILING

 DONUT Ø 60 COB 168 DD-12000	 DONUT COB or LED Lamp 170 DD-12010 Series	 BECCO COB 186 DD-12080 Series	 MURLY COB 190 DD-12100.01 Series	 MURLY LED Lamp 191 DD-12100.02	 MURLY COB 192 DD-26530 Series	 MURLY COB 194 DD-26550 Series	 DOT POWER LED 198 DD-12100.00 Series	 DOT COB 200 DD-12170.02 Series
 REFLEX-D COB or LED Module 204 DD-20010 Series	 REFLEX-D COB 205 DD-20020.01 Series	 REFLEX-D COB 206 DD-20020.02 Series	 REFLEX-D COB 207 DD-20020.03 Series	 REFLEX-D COB or LED Module 208 DD-20040-20070	 REFLEX-D COB 212 DD-20090 Series	 REFLEX-MP POWER LED 214 DD-11000	 REFLEX-MP Ø 74 COB 215 DD-12090	 REFLEX-MP Ø 90 COB 216 DD-12100.03
 REFLEX-MP Ø 90 COB 216 DD-12100.04	 REFLEX-MP Ø 80 COB 217 DD-12110	 REFLEX-MP COB 218 DD-12210 Series	 REFLEX-MP COB 219 DD-12240 Series	 REFLEX-WW COB 220 DD-26500 Series	 GOGGLE COB 226 DDS-27500 Series	 GOGGLE LED Lamp 227 DDS-27511 Series	 FLOW POWER LED 229 DDS-27600	 FLOW COB 230 DDS-27610 Series
 ABACO-D Ø 120 SMD 237 DD-20660.01 Series	 ABACO-D Ø 150 SMD 237 DD-20660.07	 ABACO-D Ø 200 SMD 238 DD-20670.01 Series	 ABACO-D Ø 300 SMD 240 DD-20680 Series	 COMFORT SMD 244 DD-20520	 COMFORT SMD 245 DD-20540	 COMFORT SMD 246 DD-20600 Series	 COMFORT SMD 248 DD-20630 Series	 COMFORT-Mo SMD 250 DD-20790 Series
 COMFORT-Mo SMD 252 DD-20860 Series	 COMFORT-T SMD 254 DD-20831.01 Series	 COMFORT-T SMD 256 DD-20831.02 Series	 COMFORT-T SMD 258 DD-20831.03 Series	 COMFORT-T SMD 260 DD-20831.04 Series	 RHOMBUS LED Module or COB 262 DD-20831.04 Series	 POP SMD 264 DD-38040 Series	 ASSE SMD 267 DD-38170	 ASSE SMD 267 DD-38180

PENDANT

 SILO Ø 175 COB 270 DP-51021.02 Series	 SILO Ø 175 SMD 272 DP-51021.03 Series	 SILO Ø 120 COB 274 DP-51200.01 Series	 SILO Ø 120 COB 276 DP-51200.03 Series	 ABITO COB 279 DP-51033.01 Series	 ABITO COB 279 DP-51033.02 Series	 ABITO COB 281 DP-51280.01 Series	 ABITO COB 281 DP-51280.02 Series	 TWIN COB 282 DP-51100.02 Series
 ABACO-P Ø 120 SMD 285 DP-51160.01 Series	 ABACO-P Ø 150 SMD 285 DP-51160.06 Series	 ABACO-P Ø 200 SMD 286 DP-51170 Series	 ABACO-P Ø 300 SMD 287 DP-51180 Series	 ABACO-P Ø 500 SMD 288 DP-51190 Series	 SMOOTH SMD 289 DP-51260 Series	 LONGER COB 290 DP-51220 Series	 QUATTRO-P POWER LED 295 DP-59010 Series	 QUATTRO-P SMD 295 DP-59060 Series

FLOOD LIGHT
BOLLARD

 SUNDIAL COB 304 DF-48170	 SUNDIAL COB 306 DF-79012	 SUNDIAL COB 308 DF-79202	 BITTA SMD 310 DBO-75250 Series	 BITTA SMD 310 DWB-76600 Series	 SHARE SMD 314 DBO-75142 Series	 LUME SMD 318 DBO-75230 Series
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DEPARTMENT STORE

LED ACCENT LIGHT
LED DOWN LIGHT



AIRWAY
DDC-65360 Series p.10



SMOOTH
DDC-65290 Series p.18



ROLL
DDC-65340 Series p.60



Multiplo-M
DD-37000.10 Series p.130

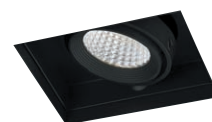


GUCCI FLAGSHIP STORE @ CHUNG DAM SEOUL
SHINSEGAE GANGNAM MEN'S STORE

Photo by **Andrea Buso**
Lighting Design by **NEHTE**

SHOP DISPLAY

LED ACCENT LIGHT
LED DOWN LIGHT



Multiplo-S
DD-37110.05-02 Series p.137



Roll
DDC-65341.06 p.65



ART MUSEUM

LED ACCENT LIGHT
LED DOWN LIGHT



Bola
DDC-63312.01 p.96



Kiss
DDC-63522.01 Series p.100

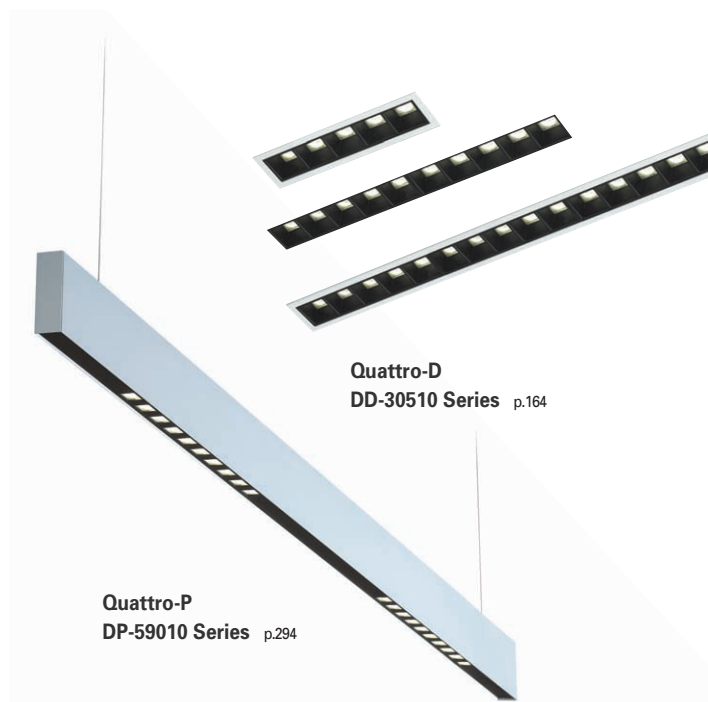


AUTOMOBILE

LED ACCENT LIGHT
LED DOWN LIGHT



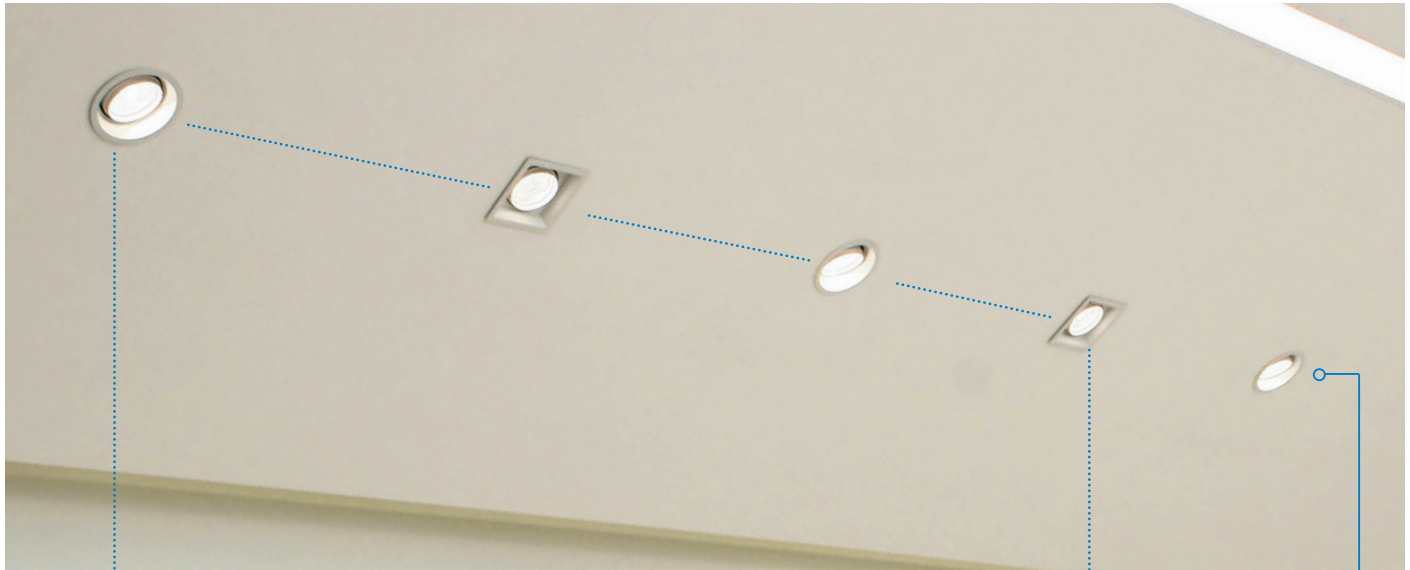
Multiplo-M
DD-37000.06 Series p.124




Quattro-D
DD-30510 Series p.164

Quattro-P
DP-59010 Series p.294

WIRELESS CONTROL SYSTEM



 Bluetooth 4.0 compatible
(iOS & Android apps)



Remote Control, Sensor Data, SW updates, Configuration

Smart control from wall switches



Mesh network :

- Low Latency
- Low Power
- Low Cost
- Good Range
- Robust
- Auto Config

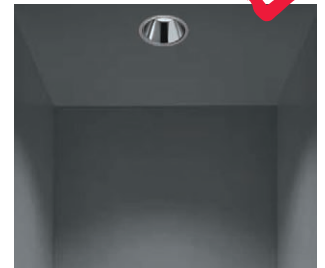
NON GLARE REFLECTOR



NON GLARE REFLECTOR로
눈부심이 없고, 고급스러운 분위기를 연출한다.



Non Glare Reflector



White Chrome



Dark Chrome

SMART LENS



SMART LENS를 사용하여
고효율의 빛과 다양한 조사각으로 효과적인 공간을 연출한다.



 **AIRWAY** LED ACCENT LIGHT

Designed by Carlo Tamborini





Airway

LED ACCENT LIGHT

Airway spot light conceived about the very important function for airflow of inside LED heat emission.
A controlled air flow guarantees the temperature necessary for its correct operation.
And its details are inspired from the symbolic of aeronautical object.

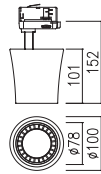
Carlo Tamborini

A stylized signature of Carlo Tamborini in black ink.



Airway LENS TYPE

Track Accent Light



Product no.

NEW DDC-65360

COB 24W

Type of LED : COB



LED HOUSING & HEAT SINK

AL. Die-Casting, Electrostatic Powder Coating
Adjustable Angle (Tilt $\angle 90^\circ$)

MOUNTING RING

AL. Die-Casting, Electrostatic Powder Coating

REFLECTOR

LENS

INSTALLATION

On 3 circuit track (PC)

TYPE OF LED

COB

INPUT VOLTAGE

220-240V AC , 50-60Hz

MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX CRI	OUTPUT CURRENT (mA)
2,000 lm	3,000K	24W	21W	112 lm/w	2,676 lm	35V DC	80	600mA DC

OPERATING TEMPERATURE RANGE

-20 to +40 °C

MAINTENANCE OF LUMEN -L80

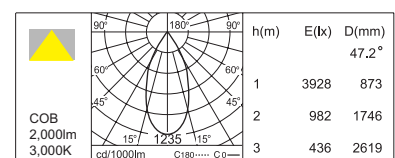
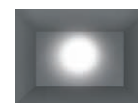
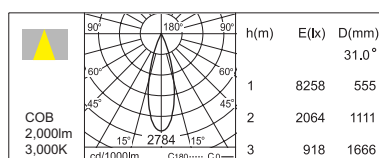
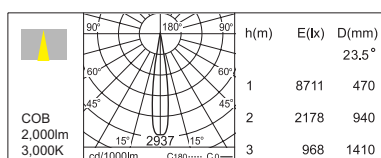
50,000 hours at 25 °C

COLOR RENDERING INDEX

80, 90

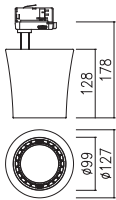
COLOR TEMPERATURE

○ 4,000K ● 3,000K



Airway LENS TYPE

Track Accent Light

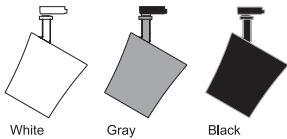


Product no.

NEW DDC-65361

COB 27W

Type of LED : COB



LED HOUSING & HEAT SINK

AL. Die-Casting, Electrostatic Powder Coating
Adjustable Angle (Tilt $\angle 90^\circ$)

MOUNTING RING

AL. Die-Casting, Electrostatic Powder Coating

REFLECTOR

LENS

INSTALLATION

On 3 circuit track (PC)

TYPE OF LED

COB

INPUT VOLTAGE

220-240V AC , 50-60Hz

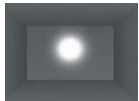
MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
3,000lm	○ 4,000K	27W	23W	119 lm/w	3,253 lm	34V DC	80	700mA DC
3,000lm	● 3,000K	27W	24W	115 lm/w	3,119 lm	34V DC	80	700mA DC

OPERATING TEMPERATURE RANGE -20 to +40 °C

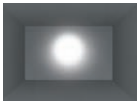
MAINTENANCE OF LUMEN -L80 50,000 hours at 25 °C

COLOR RENDERING INDEX 80, 90

COLOR TEMPERATURE ○ 4,000K ● 3,000K



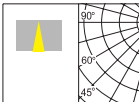
Beam Angle	h(m)	E(lx)	D(mm)
17.7°	1	20219	312
	2	5055	624
	3	2247	936



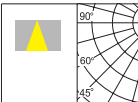
Beam Angle	h(m)	E(lx)	D(mm)
25.7°	1	11527	457
	2	2882	914
	3	1281	1371



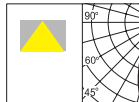
Beam Angle	h(m)	E(lx)	D(mm)
38.8°	1	6630	704
	2	1658	1407
	3	737	2111



Beam Angle	h(m)	E(lx)	D(mm)
20.0°	1	19542	353
	2	4885	706
	3	2171	1059



Beam Angle	h(m)	E(lx)	D(mm)
26.0°	1	10984	461
	2	2746	923
	3	1220	1384



Beam Angle	h(m)	E(lx)	D(mm)
50.9°	1	4061	952
	2	1015	1904
	3	451	2857

UNICO LED ACCENT LIGHT

Designed by Bruno Gecchelin



UNICO SPOTLIGHT DESCRIPTION

Unico is the Italian word for only one (unique). Housing and gearbox are integrated in a single part that rotates and tilts.

This results in a unified product where form and function combine.

The unique body creates the perfect surface and mass to dissipate heat from the LED module.

Unico condenses form and function in a single body and gesture.

Unico REF. / LENS TYPE

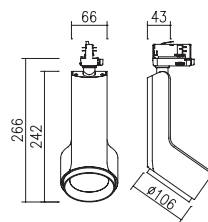
Track Accent Light



Ref.



Lens

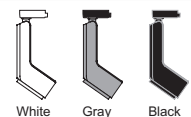


Product no.

DDC-65190 SERIES

DDC-65190	COB 20W
DDC-65191	COB 27W

Type of LED : COB 



LED HOUSING

AL. Die-Casting, Electrostatic Powder Coating
Adjustable Angle (Tilt $\angle 120^\circ$)

MOUNTING RING

AL. Die-Casting, Electrostatic Powder Coating

REFLECTOR

AL. Anodized Specular Silver or LENS

INSTALLATION

On 3 circuit track (PC)

OPTION

Wireless Control (Bluetooth Module) 

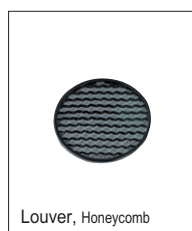
TYPE OF LED

COB

INPUT VOLTAGE

220-240V AC , 50-60Hz

MODULE	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
DDC-65190								
2,000lm	○ 4,000K	20W	17W	121 lm/w	2,409 lm	34V DC	80	500mA DC
2,000lm	● 3,000K	20W	16W	119 lm/w	2,335 lm	34V DC	80	500mA DC
DDC-65191								
3,000lm	○ 4,000K	27W	23W	119 lm/w	3,253 lm	34V DC	80	700mA DC
3,000lm	● 3,000K	27W	24W	115 lm/w	3,119 lm	34V DC	80	700mA DC



OPERATING TEMPERATURE RANGE

-20 to +40 °C

MAINTENANCE OF LUMEN -L80

50,000 hours at 25 °C

COLOR RENDERING INDEX

80, 90

COLOR TEMPERATURE

○ 4,000K ● 3,000K

PHOTOMETRIC DATA

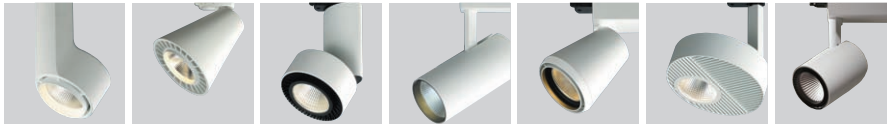


>>> page 16~17

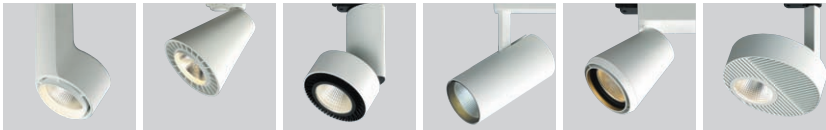
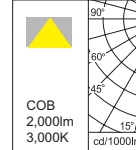
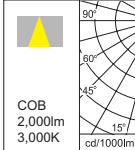
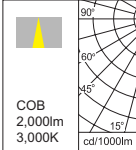
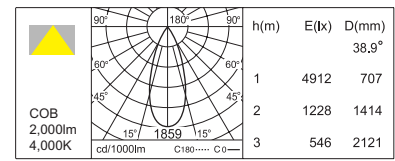
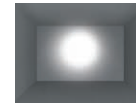
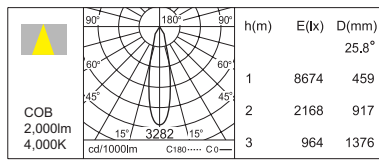
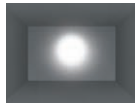
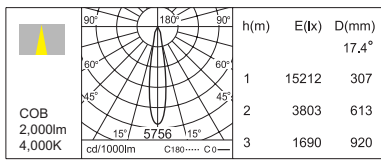


Accent Light

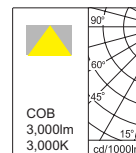
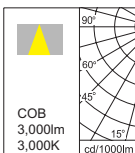
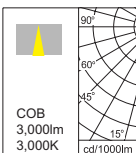
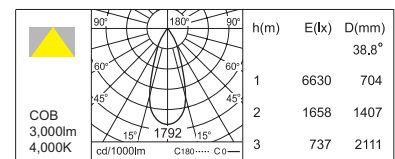
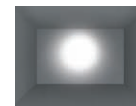
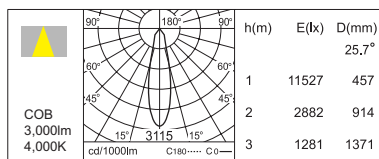
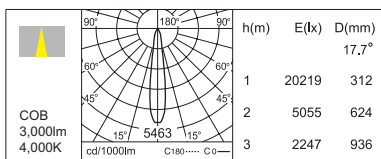
Reflector Type or Lens Type _ Photometric Data



REFLECTOR TYPE COB 2,000 lm / 500 mA
DDC-65190 / DDC-65290.01 / DDC-65240 / DDC-65170.01 / DDC-65250 / DDC-65150 / DDC-65090



REFLECTOR TYPE COB 3,000 lm / 700 mA
DDC-65191 / DDC-65291.01 / DDC-65241 / DDC-65171.01 / DDC-65251 / DDC-65151



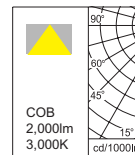
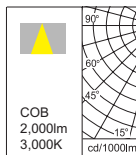
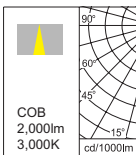
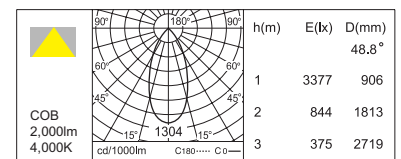
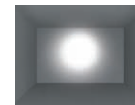
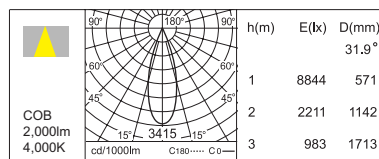
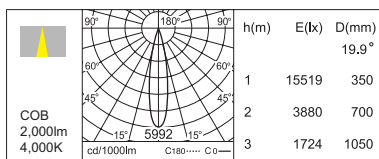
SMART LENS



LENS TYPE

COB 2,000 lm / 500 mA

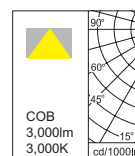
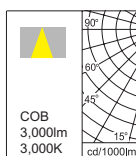
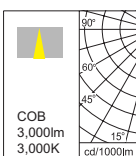
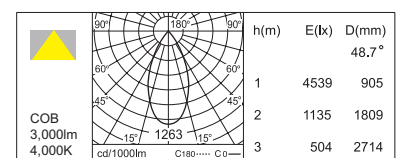
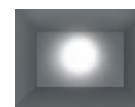
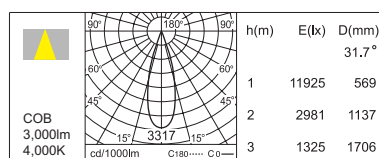
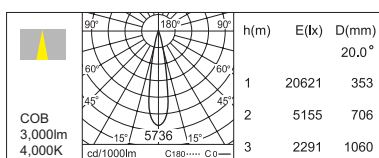
DDC-65190 / DDC-65290.01 / DDC-65240 / DDC-65170.01 / DDC-65170.05



LENS TYPE

COB 3,000 lm / 700 mA

DDC-65190 / DDC-65290.01 / DDC-65241 / DDC-65171.01 / DDC-65171.05



 **SMOOTH** LED ACCENT LIGHT

Designed by Carlo Tamborini



LED ACCENT LIGHT
TYPE OF LED : COB -> PAGE. 20,21



LED ACCENT LIGHT
TYPE OF LED : SMD -> PAGE. 22,23



LED PENDANT LIGHT
TYPE OF LED : SMD -> PAGE.289



Smooth

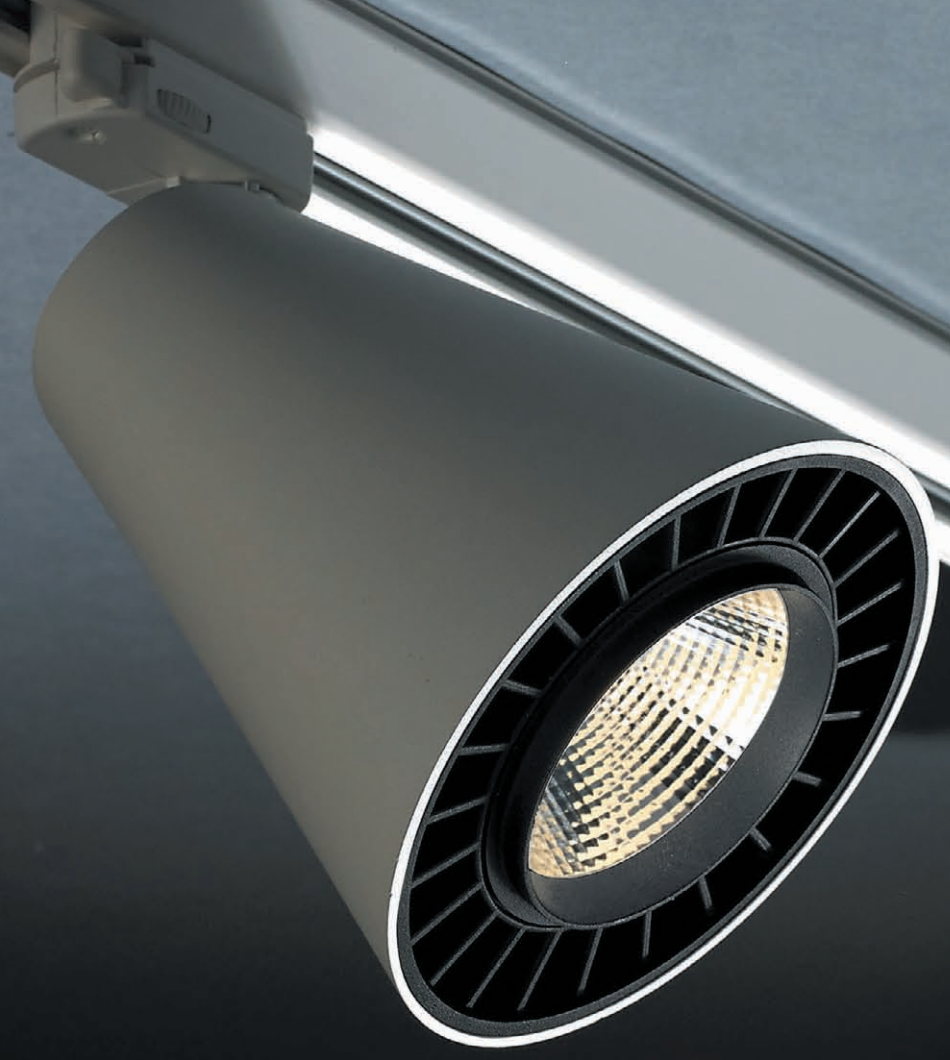
LED ACCENT LIGHT

Carlo Tamborini 





SMOOTH | LED ACCENT LIGHT
designed by Carlo Tamborini



Smooth REF. / LENS TYPE

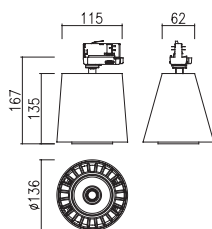
Track Accent Light



Ref.



Lens



Product no.

NEW DDC-65290.01 SERIES

DDC-65290.01 COB 20W
DDC-65291.01 COB 27W

Type of LED : COB



LED HOUSING & HEAT SINK

AL. Die-Casting, Electrostatic Powder Coating
Adjustable Angle (Tilt $\angle 90^\circ$)

MOUNTING RING

AL. Die-Casting, Electrostatic Powder Coating

REFLECTOR

AL. Anodized Specular Silver or LENS

INSTALLATION

On 3 circuit track (PC)

OPTION

Wireless Control (Bluetooth Module)

TYPE OF LED

COB

INPUT VOLTAGE

220-240V AC , 50-60Hz

MODULE	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
DDC-65290.01								
2,000lm	○ 4,000K	20W	17W	121 lm/w	2,409 lm	34V DC	80	500mA DC
2,000lm	● 3,000K	20W	16W	119 lm/w	2,335 lm	34V DC	80	500mA DC
DDC-65291.01								
3,000lm	○ 4,000K	27W	23W	119 lm/w	3,253 lm	34V DC	80	700mA DC
3,000lm	● 3,000K	27W	24W	115 lm/w	3,119 lm	34V DC	80	700mA DC

OPERATING TEMPERATURE RANGE

-20 to +40 °C

MAINTENANCE OF LUMEN -L80

50,000 hours at 25 °C

COLOR RENDERING INDEX

80, 90

COLOR TEMPERATURE

○ 4,000K ● 3,000K

PHOTOMETRIC DATA



>>> page 16-17

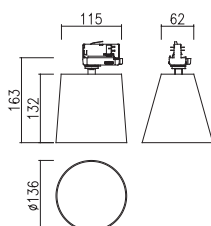


SMOOTH | LED ACCENT LIGHT
designed by Carlo Tamborini



Smooth PC COVER TYPE

Track Accent Light



Product no.

NEW DDC-65290.02 SMD 20W



SMOOTH SERIES Pendants page. 289

Type of LED : SMD 



LED HOUSING & HEAT SINK

AL. Die-Casting, Electrostatic Powder Coating
Adjustable Angle (Tilt $\angle 90^\circ$)

COVER

PC

INSTALLATION

On 3 circuit track (PC)

OPTION

Wireless Control (Bluetooth Module) 

TYPE OF LED SMD (66 LED)

INPUT VOLTAGE 220-240V AC , 50-60Hz

COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/W)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
○ 4,000K	20W	17W	84 lm/W	1,699 lm	35V DC	80	500mA DC
● 3,000K	20W	17W	82 lm/W	1,656 lm	35V DC	80	500mA DC

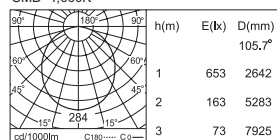
OPERATING TEMPERATURE RANGE -20 to +40 °C

MAINTENANCE OF LUMEN -L70 50,000 hours at 25°C

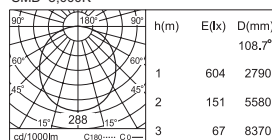
COLOR RENDERING INDEX 80, 90

COLOR TEMPERATURE ○ 4,000K ● 3,000K

SMD 4,000K



SMD 3,000K



 **IPSE** LED ACCENT LIGHT

Designed by Carlo Tamborini



Ipse REF. / LENS TYPE

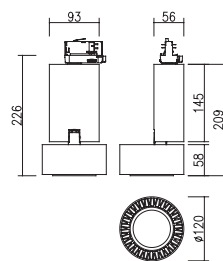
Track Accent Light



Ref.



Lens

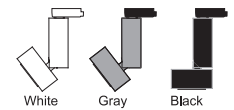


Product no.

DDC-65240 SERIES

DDC-65240	COB 20W
DDC-65241	COB 27W

Type of LED : COB 



LED HOUSING

AL. Extrude, Electrostatic Powder Coating
Adjustable Angle (Tilt $\angle 90^\circ$)

HEAT SINK

AL. Extrude, Electrostatic Powder Coating (Black only)

MOUNTING RING

Aluminium, Electrostatic Powder Coating (Black only)

REFLECTOR

AL. Anodized Specular Silver or LENS

INSTALLATION

On 3 circuit track (PC)

OPTION

Wireless Control (Bluetooth Module) 

TYPE OF LED

COB

INPUT VOLTAGE

220-240V AC , 50-60Hz

MODULE	COLOR	INPUT	OUTPUT	SYSTEM	LUMINOUS	OUTPUT	COLOR	OUTPUT
LUMINOUS	TEMPERATURE	POWER	POWER	EFFICIENCY	FLUX	VOLTAGE	RENDERING	CURRENT
FLUX	(K)	(W)	(W)	(lm/w)	(lm)	(nominal)	INDEX_CRI	(mA)
DDC-65240								
2,000lm	○ 4,000K	20W	17W	121 lm/w	2,409 lm	34V DC	80	500mA DC
2,000lm	● 3,000K	20W	16W	119 lm/w	2,335 lm	34V DC	80	500mA DC
DDC-65241								
3,000lm	○ 4,000K	27W	23W	119 lm/w	3,253 lm	34V DC	80	700mA DC
3,000lm	● 3,000K	27W	24W	115 lm/w	3,119 lm	34V DC	80	700mA DC

OPERATING TEMPERATURE RANGE

-20 to +40 °C

MAINTENANCE OF LUMEN -L80

50,000 hours at 25 °C

COLOR RENDERING INDEX

80, 90

COLOR TEMPERATURE

○ 4,000K ● 3,000K

PHOTOMETRIC DATA



>>> page 16~17



Louver, Honeycomb

FOCUS LED ACCENT LIGHT

Lens Spot Light

355° HORIZONTAL









90° VERTICAL

SHAPER

METAL GOBO
or USER CREATED GOBO

FOCUSING LENS

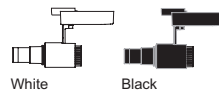
Focus LENS SPOT

		
<p>15W 1,000lm / COB</p>	<p>19W 2,000lm / COB</p>	<p>27W 3,000lm / COB</p>
<p>DDC-65070.03</p>	<p>DDC-65260</p>	<p>DDC-65270</p>
<p>ACCESSORY</p>	<p>ACCESSORY</p>	<p>ACCESSORY</p>
 <p>ACC-01 Shaper Control of light shape and size</p>	 <p>ACC-01 Shaper Control of light shape and size</p>	 <p>ACC-01 Shaper Control of light shape and size</p>
 <p>ACC-02 Metal Gobo Control of light shape and size</p>	 <p>ACC-02 Metal Gobo Control light quantity and size</p>	 <p>ACC-02 Metal Gobo Control light quantity and size</p>
 <p>ACC-03 User Created Gobo</p>	 <p>ACC-03 User Created Gobo</p>	 <p>ACC-03 User Created Gobo</p>

Focus
DDC-65070.03



TYPE OF LED : COB 



LED HOUSING	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 90^\circ$)
HEAT SINK	AL. Die-Casting, Electrostatic Powder Coating
MOUNTING RING	Aluminium, Electrostatic Powder Coating
GEAR BOX	PC, Urethane Coating
REFLECTOR	PC (Vacuum Coating) & LENS
INSTALLATION	On 3 circuit track (PC)

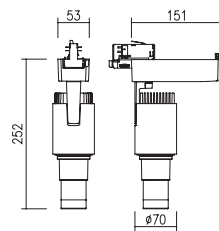
TYPE OF LED	COB
INPUT VOLTAGE	220-240V AC , 50-60Hz

MODULE LUMINOUS FLUX	INPUT POWER (W)	OUTPUT POWER (W)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
1,000 lm	15W	13W	35V DC	80	350mA DC

OPERATING TEMPERATURE RANGE	-20 to +40°C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25°C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	○ 4,000K ● 3,000K

Focus LENS SPOT

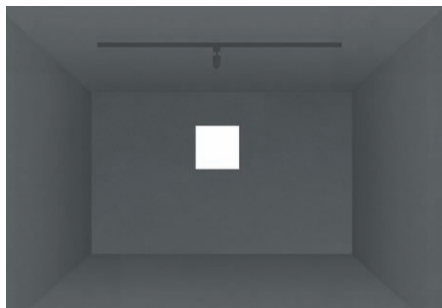
Track Accent Light



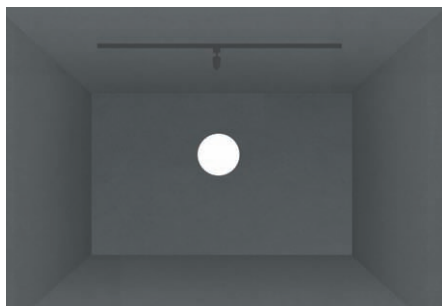
Product no.

DDC-65070.03

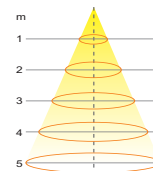
COB 15W



ACC-01 Shaper
Control of light shape and size



ACC-02 Metal Gobo
Control of light quantity and size




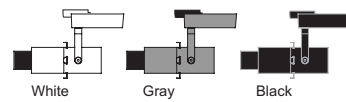
TYPE OF LED : COB


h (m)	Metal Gobo Ø10		Metal Gobo Ø15	
	D(mm)	E(lx)	D(mm)	E(lx)
2	289	385	428	374
3	434	171	642	166
4	579	96	856	94
5	724	62	1,070	60

Focus
DDC-65260



TYPE OF LED : COB 



LED HOUSING	AL. Extrude, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 90^\circ$)
HEAT SINK	Forging Press, Electrostatic Powder Coating (Black only)
MOUNTING RING	AL. Electrostatic Powder Coating
GEAR BOX	AL. Die-Casting, Electrostatic Powder Coating
REFLECTOR	PC & LENS
INSTALLATION	On 3 circuit track (PC)
OPTION	Wireless Control (Bluetooth Module) 

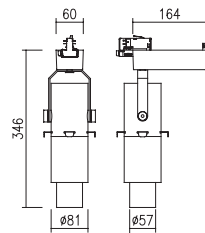
TYPE OF LED : COB
INPUT VOLTAGE : 220-240V AC , 50-60Hz

MODULE LUMINOUS FLUX	INPUT POWER (W)	OUTPUT POWER (W)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
2,000 lm	19W	17W	35V DC	80	500mA DC

OPERATING TEMPERATURE RANGE : -20 to +40°C
 MAINTENANCE OF LUMEN -L80 : 50,000 hours at 25°C
 COLOR RENDERING INDEX : 80, 90
 COLOR TEMPERATURE : 4,000K 3,000K

Focus LENS SPOT

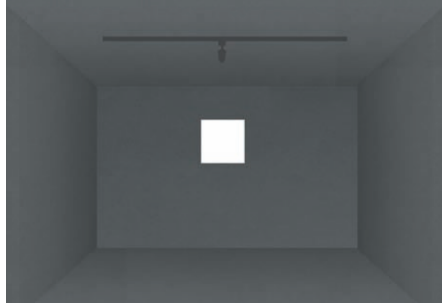
Track Accent Light



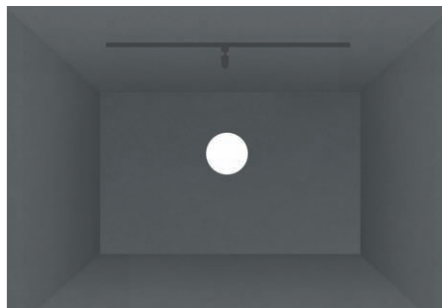
Product no.

DDC-65260

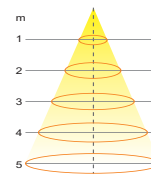
COB 19W



ACC-01 Shaper
Control of light shape and size



ACC-02 Metal Gobo
Control of light quantity and size



TYPE OF LED : COB

h (m)	Metal Gobo Ø20		Metal Gobo Ø30	
	D(mm)	E(lx)	D(mm)	E(lx)
2	389	1,062	575	1,082
3	583	472	862	480
4	777	265	1150	270
5	972	170	1437	173




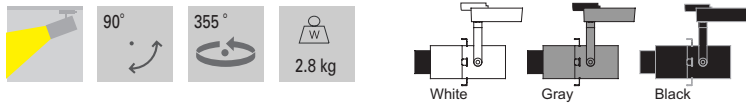
ACC-03 User Created Gobo




Focus
DDC-65270



TYPE OF LED : COB 



LED HOUSING	AL. Extrude, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 90^\circ$)
HEAT SINK	Forging Press, Electrostatic Powder Coating (Black only)
MOUNTING RING	AL. Electrostatic Powder Coating
GEAR BOX	AL. Die-Casting, Electrostatic Powder Coating
REFLECTOR	AL. & LENS
INSTALLATION	On 3 circuit track (PC)
OPTION	Wireless Control (Bluetooth Module) 

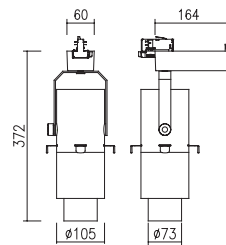
TYPE OF LED	COB
INPUT VOLTAGE	220-240V AC , 50-60Hz

MODULE LUMINOUS FLUX	INPUT POWER (W)	OUTPUT POWER (W)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX CRI	OUTPUT CURRENT (mA)
3,000 lm	27W	23W	34V DC	80	700mA DC

OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25 °C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	<input type="radio"/> 4,000K <input checked="" type="radio"/> 3,000K

Focus LENS SPOT

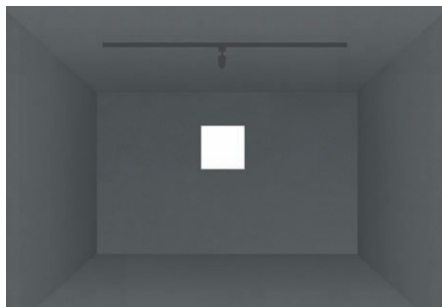
Track Accent Light



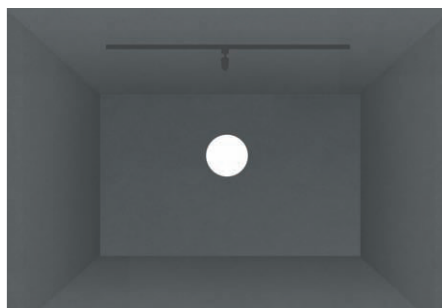
Product no.

DDC-65270

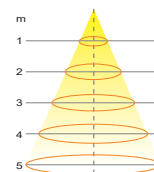
COB 27W



ACC-01 Shaper
Control of light shape and size



ACC-02 Metal Gobo
Control of light quantity and size



TYPE OF LED : COB

h(m)	Metal Gobo ø 20		Metal Gobo ø 30		Metal Gobo ø 40	
	D(mm)	E(lx)	D(mm)	E(lx)	D(mm)	E(lx)
2	354	1,736	489	1,748	652	1,733
3	531	772	733	777	977	770
4	708	434	977	437	1,303	433
5	885	278	1,222	280	1,629	277



ACC-03 User Created Gobo



 **ABACO** LED ACCENT LIGHT
Designed by Carlo Tamborini



Abaco-S series

ACCENT LIGHT / DOWN LIGHT / PENDANT

Abaco-S SPOT LIGHT



ABACO-S
 DDC-65200 SERIES
 SMD type \varnothing 150
P.36



ABACO-S
 DDC-65130.01 SERIES
 SMD type \varnothing 200
P.38



ABACO-S
 DDC-65132.02 SERIES
 LED LAMP type \varnothing 120
P.40



ABACO-S
 DDC-65130.05 SERIES
 COB type \varnothing 120
P.42

Abaco-D DOWN LIGHT



ABACO-D
 DD-20660.01 series
 SMD type \varnothing 120
P.237



ABACO-D
 DD-20660.07 series
 SMD type \varnothing 150
P.237



ABACO-D
 DD-20670 series
 SMD type \varnothing 200
P.238



ABACO-D
 DD-20680 series
 SMD type \varnothing 300
P.240

Abaco-P PENDANT



ABACO-P
 DP-51160.01 series
 SMD type \varnothing 120
P.285



ABACO-P
 DP-51160.06 series
 SMD type \varnothing 150
P.285



ABACO-P
 DP-51170 series
 SMD type \varnothing 200
P.286



ABACO-P
 DP-51180 series
 SMD type \varnothing 300
P.287




ABACO-P
 DP-51190 series
 SMD type \varnothing 500
P.288


Abaco-S

DDC-65200



TYPE OF LED : SMD 



LED HOUSING	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 90^\circ$)
GEAR BOX	AL. Extrude, Electrostatic Powder Coating
COVER	PC
INSTALLATION	On 3 circuit track (PC)
OPTION	Wireless Control (Bluetooth Module) 

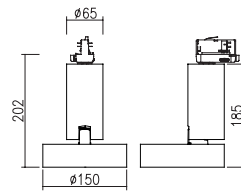
TYPE OF LED	SMD (55 LED)
INPUT VOLTAGE	220-240V AC , 50-60Hz

COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
<input type="radio"/> 5,000K	18W	16W	103 lm/w	1,892 lm	23V DC	80	700mA DC
<input type="radio"/> 4,000K	18W	16W	99 lm/w	1,797 lm	23V DC	80	700mA DC
<input checked="" type="radio"/> 3,000K	18W	16W	98 lm/w	1,751 lm	23V DC	80	700mA DC

OPERATING TEMPERATURE RANGE	-20 to +40°C
MAINTENANCE OF LUMEN -L70	50,000 hours at 25°C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	<input checked="" type="radio"/> 5,000K <input type="radio"/> 4,000K <input type="radio"/> 3,000K

Abaco-S SMD TYPE

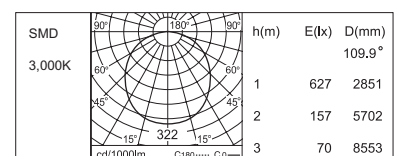
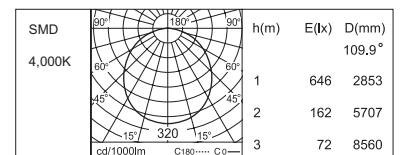
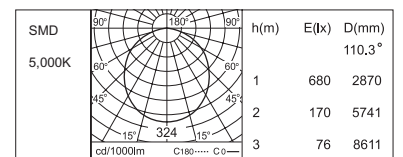
Track Accent Light



Product no.

DDC-65200

LED 18W





ABACO-S | LED ACCENT LIGHT
designed by Carlo Tamborini



TYPE OF LED : SMD

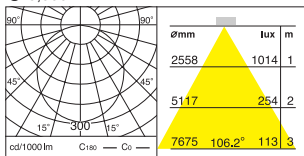


White

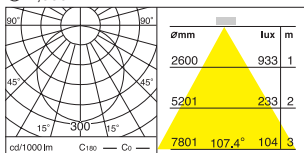
Gray

Black

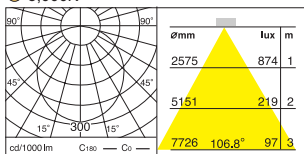
5,000K



4,000K



3,000K



LED HOUSING

AL. Die-Casting, Electrostatic Powder Coating
Adjustable Angle (Tilt $\angle 90^\circ$)

GEAR BOX

AL. Die-Casting, Electrostatic Powder Coating

COVER

PC

INSTALLATION

On 3 circuit track (PC)

Wall Bracket Type

OPTION

Wireless Control (Bluetooth Module)

Tunable Color Temperature

TYPE OF LED

SMD (66 LED)

INPUT VOLTAGE

220-240V AC , 50-60Hz

COLOR TEMPERATURE (K)	INPUT POWER	OUTPUT POWER	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT
5,000K	27W	23W	100 lm/W	2,693 lm	33V DC	80	700mA DC
4,000K	27W	23W	93 lm/W	2,513 lm	33V DC	80	700mA DC
3,000K	27W	23W	87 lm/W	2,340 lm	33V DC	80	700mA DC

OPERATING TEMPERATURE RANGE

-20 to +40°C

MAINTENANCE OF LUMEN -L70

50,000 hours at 25°C

COLOR RENDERING INDEX

80, 90

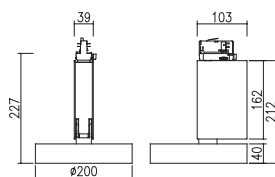
COLOR TEMPERATURE

5,000K 4,000K 3,000K

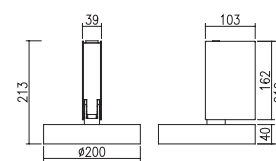
Abaco-S SMD TYPE



Track Accent Light



Wall Bracket Light



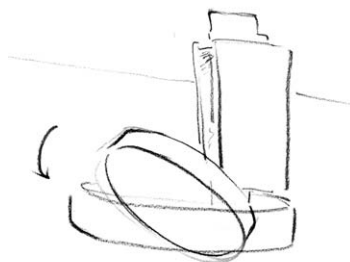
Product no.

DDC-65130.01 SERIES

- DDC-65130.01 LED 27W
- DDC-65131.01 LED 32W (Tunable Color Temperature)

DDC-65130.01-02 SERIES

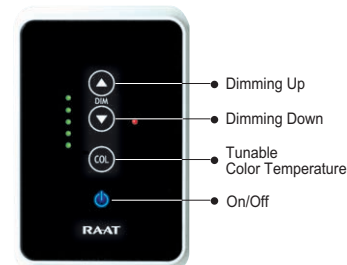
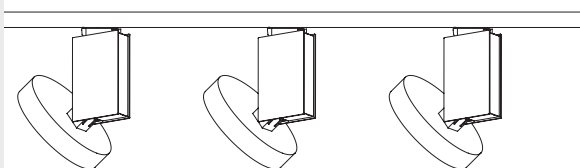
- DDC-65130.01-02 LED 27W



LED lighting fixtures of Tunable color temperature and Dimming controlled by Protocol

1. Controlled by protocol (Modbus, RS 485)
2. Each of Abaco lighting has a communication controller which has 16 addresses.
3. Max 1024 addresses (16 addresses x 64 CT Gate)
4. Range of Tunable Color temperature : OFF, 5.7K, 5K, 4K, 3.5K, 3K, 2.7K / Range of Dimming : 20~100%
5. Connected with PC by " USB to 485 Converter "
6. Using open protocol : High compatibility with PLC or general controller
7. No need control devices
8. One switch operates MAX 30pcs Abaco lighting

Option : Group Control 그룹제어 가능

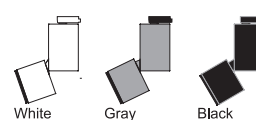



Abaco-S

DDC-65132.02 series



TYPE OF LED : LED LAMP



LED HOUSING	AL. Extrude, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 90^\circ$)
MOUNTING RING	Aluminium, Electrostatic Powder Coating
GEAR BOX	AL. Die-Casting, Electrostatic Powder Coating
INSTALLATION	On 3 circuit track (PC)
OPTION	Wireless Control (Bluetooth Module) 

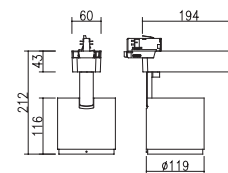
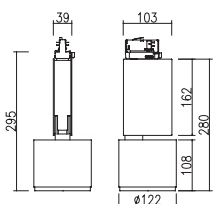
TYPE OF LED	LED LAMP (CN111-COB)
BEAM ANGLE	24°, 40°
INPUT VOLTAGE	220-240V AC , 50-60Hz

MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
DDC-63132.02 / DDC-63132.03								
2,800lm	○ 4,000K	28W	25W	104 lm/w	2,928 lm	36V DC	80	700mA DC
2,800lm	● 3,000K	28W	25W	99 lm/w	2,787 lm	36V DC	80	700mA DC
DDC-63133.02 / DDC-63133.03								
4,300lm	○ 4,000K	40W	35W	121 lm/w	4,797 lm	35V DC	80	1,050mA DC
4,300lm	● 3,000K	40W	35W	115 lm/w	4,571 lm	35V DC	80	1,050mA DC

LED LIFETIME	30,000 hours
COLOR RENDERING INDEX	80
COLOR TEMPERATURE	○ 4,000K ● 3,000K

Abaco-S LED LAMP TYPE

Track Accent Light



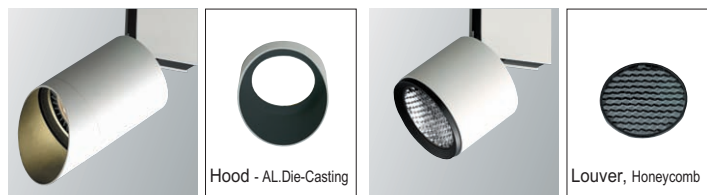
Product no.

DDC-65132.02 SERIES

DDC-65132.02 LED LAMP 28W
DDC-65133.02 LED LAMP 40W

DDC-65132.03 SERIES

DDC-65132.03 LED LAMP 28W
DDC-65133.03 LED LAMP 40W

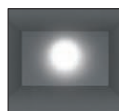


2,800 lm 4,000K			
h(m)	E(лк)	D(mm)	
1	15194	360	20,4°
2	3798	719	
3	1688	1079	

2,800 lm 3,000K			
h(m)	E(лк)	D(mm)	
1	14460	360	20,4°
2	3615	719	
3	1607	1079	

4,300 lm 4,000K			
h(m)	E(лк)	D(mm)	
1	17640	415	23,5°
2	4410	830	
3	1960	1246	

4,300 lm 3,000K			
h(m)	E(лк)	D(mm)	
1	16826	415	23,4°
2	4206	830	
3	1870	1245	



2,800 lm 4,000K			
h(m)	E(лк)	D(mm)	
1	6362	638	35,4°
2	1590	1277	
3	707	1915	

2,800 lm 3,000K			
h(m)	E(лк)	D(mm)	
1	6036	640	35,5°
2	1509	1280	
3	671	1919	

4,300 lm 4,000K			
h(m)	E(лк)	D(mm)	
1	8804	706	38,9°
2	2201	1413	
3	978	2119	

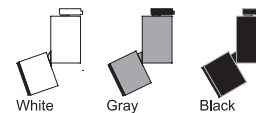
4,300 lm 3,000K			
h(m)	E(лк)	D(mm)	
1	8370	713	39,2°
2	2092	1425	
3	930	2138	


Abaco-S

DDC-65130.05 series



TYPE OF LED : COB 



LED HOUSING	AL. Extrude, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 90^\circ$)
MOUNTING RING	Aluminium, Electrostatic Powder Coating
GEAR BOX	AL. Die-Casting, Electrostatic Powder Coating
REFLECTOR	AL. Anodized Specular Silver
INSTALLATION	On 3 circuit track (PC)
OPTION	Wireless Control (Bluetooth Module) 

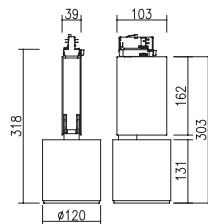
TYPE OF LED	COB
INPUT VOLTAGE	220-240V AC, 50-60Hz

MODULE	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
DDC-65130.05								
2,000lm	○ 4,000K	19W	16W	120 lm/w	2,336 lm	33V DC	80	500mA DC
2,000lm	● 3,000K	19W	16W	119 lm/w	2,302 lm	33V DC	80	500mA DC
DDC-65131.05								
3,000lm	○ 4,000K	27W	24W	117 lm/w	3,168 lm	34V DC	80	700mA DC
3,000lm	● 3,000K	27W	23W	113 lm/w	3,096 lm	34V DC	80	700mA DC

OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25 °C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	○ 4,000K ● 3,000K

Abaco-S COB TYPE

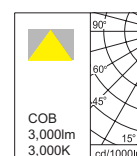
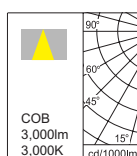
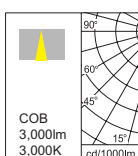
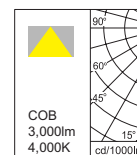
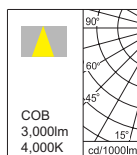
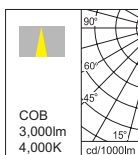
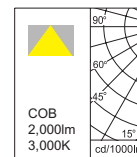
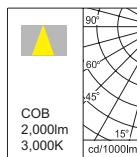
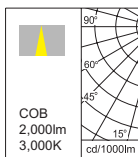
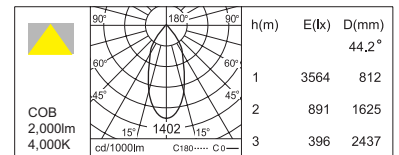
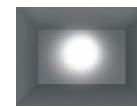
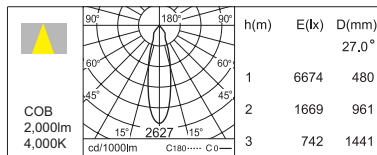
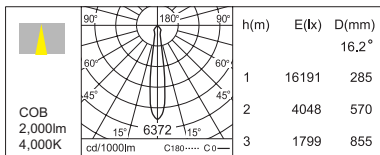
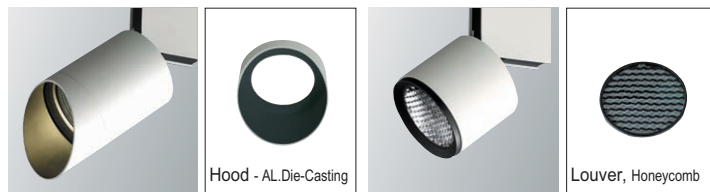
Track Accent Light



Product no.

DDC-65130.05 SERIES

DDC-65130.05 COB 19W
DDC-65131.05 COB 27W





TYPE OF LED : LED LAMP



White

Gray

Black

LED HOUSING AL. Die-Casting, Electrostatic Powder Coating
Adjustable Angle (Tilt $\angle 90^\circ$)

MOUNTING RING AL. Electrostatic Powder Coating

GEAR BOX AL. Die-Casting & AL. Extrude, Electrostatic Powder Coating

TYPE OF LED LED LAMP (CN111-COB)

BEAM ANGLE $24^\circ, 40^\circ$

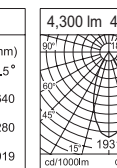
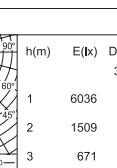
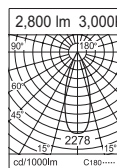
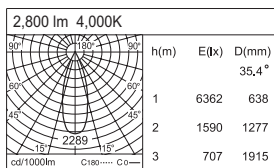
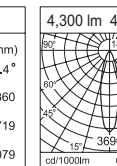
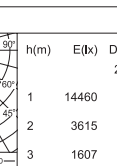
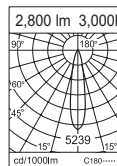
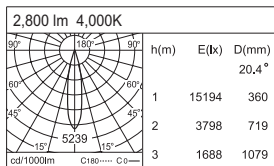
INPUT VOLTAGE 220-240V AC, 50-60Hz

MODULE	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX CRI	OUTPUT CURRENT (mA)
DDC-65301								
2,800lm	○ 4,000K	28W	25W	104 lm/w	2,928 lm	36V DC	80	700mA DC
2,800lm	● 3,000K	28W	25W	99 lm/w	2,787 lm	36V DC	80	700mA DC
DDC-65302								
4,300lm	○ 4,000K	40W	35W	121 lm/w	4,797 lm	35V DC	80	1,050mA DC
4,300lm	● 3,000K	40W	35W	115 lm/w	4,571 lm	35V DC	80	1,050mA DC

LED LIFETIME 30,000 hours

COLOR RENDERING INDEX 80

COLOR TEMPERATURE ○ 4,000K ● 3,000K

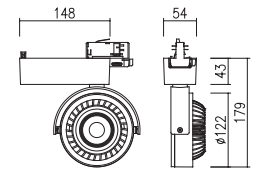


Peach LED LAMP TYPE



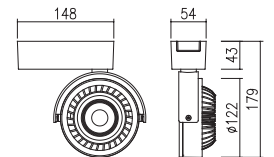
Track Accent Light

- DDC-65301 LED LAMP 28W x 1
- DDC-65302 LED LAMP 40W x 1



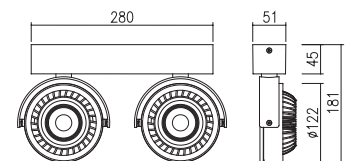
Surface Mounted Accent Light

- DDC-65311 LED LAMP 28W x 1
- DDC-65312 LED LAMP 40W x 1



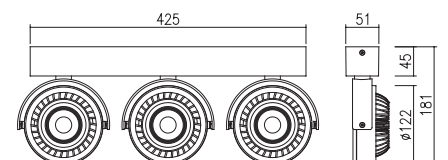
Surface Mounted Accent Light

- DDC-65321 LED LAMP 28W x 2
- DDC-65322 LED LAMP 40W x 2



Surface Mounted Accent Light

- DDC-65331 LED LAMP 28W x 3
- DDC-65332 LED LAMP 40W x 3



 **C-Spine** LED ACCENT LIGHT
DDC-65160 series



C-Spine series

ACCENT LIGHT

C-Spine
small \varnothing 60



C-SPINE
DDC-65160.01
 \varnothing 60
P.50



C-SPINE
DDC-65160.01-02
 \varnothing 60
P.51



C-SPINE
DDC-65160.02
 \varnothing 60
P.52



C-SPINE
DDC-65160.06
 \varnothing 60
P.53



C-SPINE
DDC-65160.07
 \varnothing 60
P.53

C-Spine
medium \varnothing 81



C-SPINE
DDC-65170.01 SERIES
 \varnothing 81
P.54

C-Spine
large \varnothing 102



C-SPINE
DDC-65180.01 SERIES
 \varnothing 102
P.56



GUCCI FLAGSHIP STORE @ CHUNGDAM SEOUL
SHINSEGAE GANGNAM MEN'S STORE

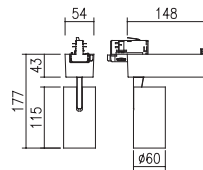
Photo by **Andrea Buso**
Lighting Design by **NEHTE**





C-spine Ø 60

Track Accent Light



Product no.

DDC-65160.01 COB 14W

TYPE OF LED : COB

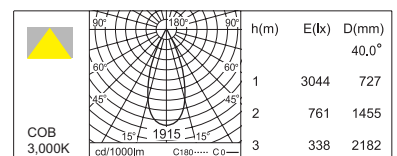
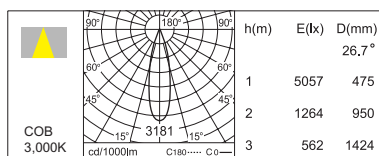
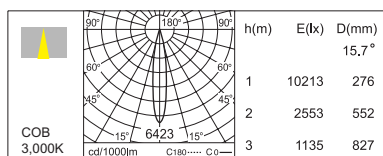


LED HOUSING	AL. Extrude, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 90^\circ$)
HEAT SINK	AL. Die-Casting, Electrostatic Powder Coating
MOUNTING RING	AL. Extrude, Electrostatic Powder Coating
GEAR BOX	AL. Die-Casting, Electrostatic Powder Coating
REFLECTOR	PC (Vacuum Coating)
INSTALLATION	On 3 circuit track (PC)

TYPE OF LED: COB
INPUT VOLTAGE: 220-240V AC, 50-60Hz

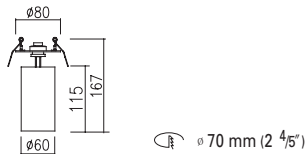
MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
1,000lm	3,000K	14W	12W	94 lm/w	1,335 lm	35V DC	80	350mA DC

OPERATING TEMPERATURE RANGE: -20 to +40 °C
 MAINTENANCE OF LUMEN -L80: 50,000 hours at 25 °C
 COLOR RENDERING INDEX: 80, 90
 COLOR TEMPERATURE: ○ 4,000K ● 3,000K



C-spine Ø 60

Recessed Accent Light



Product no.

NEW DDC-65160.01-02 COB 14W

TYPE OF LED : COB



LED HOUSING

AL. Extrude, Electrostatic Powder Coating
Adjustable Angle (Tilt $\angle 90^\circ$)

HEAT SINK

AL. Die-Casting, Electrostatic Powder Coating

MOUNTING RING

AL. Extrude, Electrostatic Powder Coating

REFLECTOR

PC (Vacuum Coating)

INSTALLATION

Recessed Type

OPTION

Wireless Control (Bluetooth Module)

TYPE OF LED

COB

INPUT VOLTAGE

220-240V AC , 50-60Hz

MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX CRI	OUTPUT CURRENT (mA)
1,000lm	3,000K	14W	12W	94 lm/w	1,335 lm	35V DC	80	350mA DC

OPERATING TEMPERATURE RANGE

-20 to +40 °C

MAINTENANCE OF LUMEN -L80

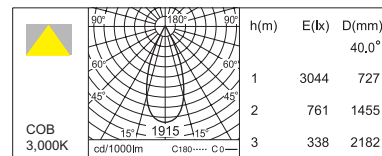
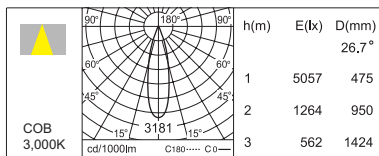
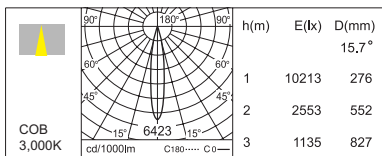
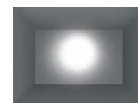
50,000 hours at 25 °C

COLOR RENDERING INDEX

80, 90

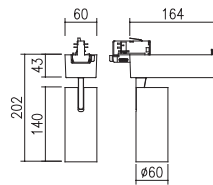
COLOR TEMPERATURE

○ 4,000K ● 3,000K




C-spine Ø 60

Track Accent Light




Product no.

NEW **DDC-65160.02** COB 26W

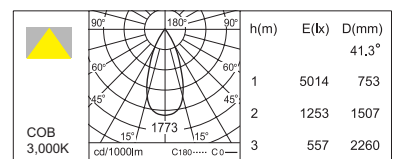
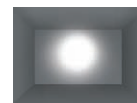
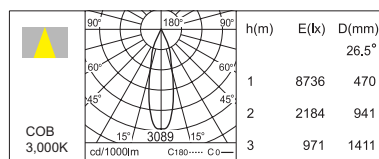
TYPE OF LED : COB 



LED HOUSING	AL. Extrude, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 90^\circ$)
HEAT SINK	AL. Die-Casting, Electrostatic Powder Coating
MOUNTING RING	AL. Extrude, Electrostatic Powder Coating
GEAR BOX	AL. Die-Casting, Electrostatic Powder Coating
REFLECTOR	PC (Vacuum Coating)
INSTALLATION	On 3 circuit track (PC)
OPTION	Wireless Control (Bluetooth Module) 

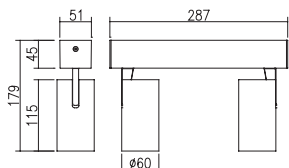
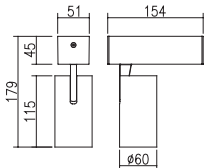
TYPE OF LED	COB									
INPUT VOLTAGE	220-240V AC , 50-60Hz									
MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX CRI	OUTPUT CURRENT (mA)		
3,000lm	3,000K	26W	22W	104 lm/w	2,702 lm	34V DC	80	640mA DC		

OPERATING TEMPERATURE RANGE	-20 to +40°C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25°C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	○ 4,000K ● 3,000K



C-spine Ø 60

Surface Mounted Accent Light

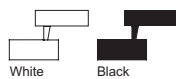


Product no.

NEW DDC-65160.06 COB 14W

NEW DDC-65160.07 COB 14W x 2

TYPE OF LED : COB



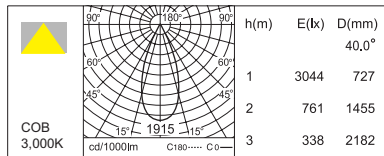
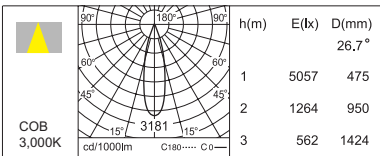
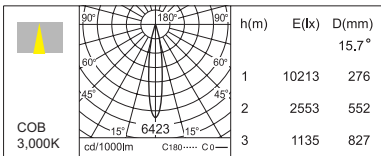
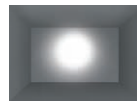
LED HOUSING

HEAT SINK
MOUNTING RING
GEAR BOX
REFLECTOR
INSTALLATION
OPTION


AL. Extrude, Electrostatic Powder Coating
Adjustable Angle (Tilt $\angle 90^\circ$)
AL. Die-Casting, Electrostatic Powder Coating
AL. Extrude, Electrostatic Powder Coating
AL. Extrude, Electrostatic Powder Coating
AL. Anodized Silver
Surface Mounted Type
Wireless Control (Bluetooth Module)

TYPE OF LED	COB							
INPUT VOLTAGE	220-240V AC , 50-60Hz							
MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
1,000lm	3,000K	14W	12W	94 lm/w	1,335 lm	35V DC	80	350mA DC

OPERATING TEMPERATURE RANGE -20 to +40 °C
 MAINTENANCE OF LUMEN -L80 50,000 hours at 25 °C
 COLOR RENDERING INDEX 80, 90
 COLOR TEMPERATURE 4,000K 3,000K





TYPE OF LED : COB 



LED HOUSING

AL. Extrude, Electrostatic Powder Coating
Adjustable Angle (Tilt $\angle 90^\circ$)

HEAT SINK

AL. Die-Casting, Electrostatic Powder Coating

MOUNTING RING

AL. Extrude, Electrostatic Powder Coating

GEAR BOX

AL. Die-Casting, Electrostatic Powder Coating

REFLECTOR

AL. Anodized Specular Silver or LENS

INSTALLATION

On 3 circuit track (PC)

OPTION

Wireless Control (Bluetooth Module) 

TYPE OF LED

COB

INPUT VOLTAGE

220-240V AC , 50-60Hz

MODULE	COLOR	INPUT	OUTPUT	SYSTEM	LUMINOUS	OUTPUT	COLOR	OUTPUT
LUMINOUS	TEMPERATURE	POWER	POWER	EFFICIENCY	FLUX	VOLTAGE	RENDERING	CURRENT
FLUX	(K)	(W)	(W)	(lm/w)	(lm)	(nominal)	INDEX_CRI	(mA)
DDC-65170								
2,000lm	○ 4,000K	20W	17W	121 lm/w	2,409 lm	34V DC	80	500mA DC
2,000lm	● 3,000K	20W	16W	119 lm/w	2,335 lm	34V DC	80	500mA DC
DDC-65171								
3,000lm	○ 4,000K	27W	23W	119 lm/w	3,253 lm	34V DC	80	700mA DC
3,000lm	● 3,000K	27W	24W	115 lm/w	3,119 lm	34V DC	80	700mA DC

OPERATING TEMPERATURE RANGE

-20 to +40°C

MAINTENANCE OF LUMEN -L80

50,000 hours at 25°C

COLOR RENDERING INDEX

80, 90

COLOR TEMPERATURE

○ 4,000K ● 3,000K

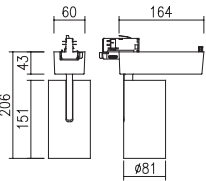
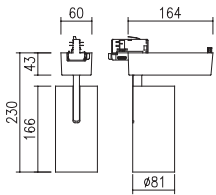
PHOTOMETRIC DATA



>>> page 16~17

C-spine \varnothing 81

Track Accent Light




Product no.

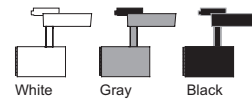
DDC-65170.01 SERIES

DDC-65170.01 COB 20W
DDC-65171.01 COB 27W





TYPE OF LED : COB 



LED HOUSING

AL. Extrude, Electrostatic Powder Coating
Adjustable Angle (Tilt $\angle 90^\circ$)

HEAT SINK

AL. Die-Casting, Electrostatic Powder Coating

MOUNTING RING

AL. Extrude, Electrostatic Powder Coating

GEAR BOX

AL. Die-Casting, Electrostatic Powder Coating

REFLECTOR

AL. Anodized Specular Silver

INSTALLATION

On 3 circuit track (PC)

OPTION

Wireless Control (Bluetooth Module) 

TYPE OF LED

COB

INPUT VOLTAGE

220-240V AC , 50-60Hz

MODULE	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
DDC-65180								
3,000lm	○ 4,000K	27W	24W	107 lm/w	2,896 lm	34V DC	80	700mA DC
3,000lm	● 3,000K	27W	23W	94 lm/w	2,573 lm	34V DC	80	700mA DC
DDC-65181								
4,000lm	○ 4,000K	45W	40W	94 lm/w	4,271 lm	35V DC	80	1,150mA DC
4,000lm	● 3,000K	44W	39W	89 lm/w	3,923 lm	34V DC	80	1,150mA DC

OPERATING TEMPERATURE RANGE

-20 to +40 °C

MAINTENANCE OF LUMEN -L80

50,000 hours at 25 °C

COLOR RENDERING INDEX

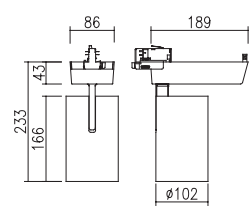
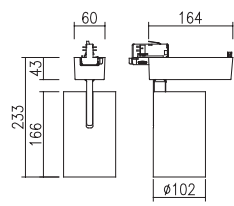
80, 90

COLOR TEMPERATURE

○ 4,000K ● 3,000K

C-spine \varnothing 102

Track Accent Light



Product no.

DDC-65180 SERIES

DDC-65180 COB 27W

DDC-65181 COB 45W

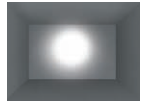


h(m)	E lx	D(mm)
1	9090	443
2	2272	886
3	1010	1329

h(m)	E lx	D(mm)
1	8118	445
2	2029	891
3	902	1336

h(m)	E lx	D(mm)
1	13736	445
2	3434	890
3	1526	1335

h(m)	E lx	D(mm)
1	12284	447
2	3071	894
3	1365	1341



h(m)	E lx	D(mm)
1	6135	678
2	1534	1357
3	682	2035

h(m)	E lx	D(mm)
1	5472	678
2	1368	1355
3	608	2033

h(m)	E lx	D(mm)
1	9158	678
2	2290	1356
3	1018	2034

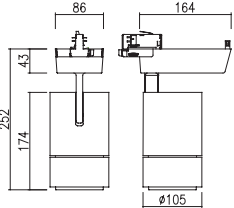
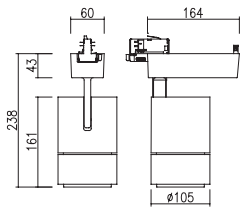
h(m)	E lx	D(mm)
1	8369	681
2	2092	1361
3	930	2042

 **MANGO** LED ACCENT LIGHT
DDC-65141 SERIES



Mango

Track Accent Light




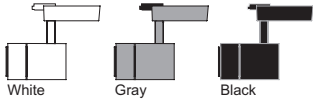
DDC-65141 SERIES


Product no.

DDC-65141 COB 27W

DDC-65142 COB 45W

Type of LED : COB 



LED HOUSING & HEAT SINK	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 90^\circ$)
MOUNTING RING	AL. Die-Casting, Electrostatic Powder Coating
GEAR BOX	AL. Die-Casting, Electrostatic Powder Coating
REFLECTOR	PC (Vacuum Coating)
INSTALLATION	On 3 circuit track (PC)
OPTION	Wireless Control (Bluetooth Module) 

TYPE OF LED	COB
INPUT VOLTAGE	220-240V AC , 50-60Hz

MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
DDC-65141								
3,000lm	○ 4,000K	27W	24W	107 lm/w	2,896 lm	34V DC	80	700mA DC
3,000lm	● 3,000K	27W	23W	94 lm/w	2,573 lm	34V DC	80	700mA DC
DDC-65142								
4,000lm	○ 4,000K	45W	40W	94 lm/w	4,271 lm	35V DC	80	1,150mA DC
4,000lm	● 3,000K	44W	39W	89 lm/w	3,923 lm	34V DC	80	1,150mA DC

OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25 °C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	○ 4,000K ● 3,000K

PHOTOMETRIC DATA  >>> page 57





ROLL LED ACCENT LIGHT
DDC-65340 SERIES

Roll

ACCENT LIGHT

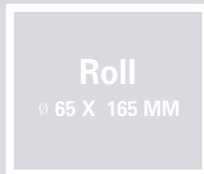


ROLL
DDC-65340.01
∅ 65 X 135
P.62

ROLL
DDC-65340.02
∅ 65 X 135
P.62

ROLL
DDC-65340.03
∅ 65 X 135
P.63

ROLL
DDC-65340.04
∅ 65 X 135
P.63



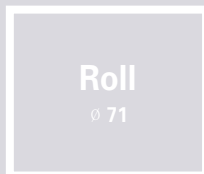
ROLL
DDC-65341.01
∅ 65 X 165
P.64

ROLL
DDC-65341.02
∅ 65 X 165
P.64

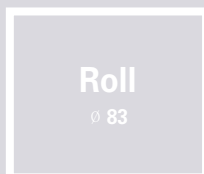
ROLL
DDC-65341.03
∅ 65 X 165
P.65

ROLL
DDC-65341.04
∅ 65 X 165
P.65

ROLL
DDC-65341.06
∅ 65 X 165
P.65



ROLL
DDC-65070.05
∅ 71
P.66

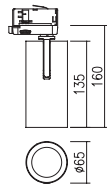


ROLL
DDC-65170.05
∅ 83
P.67

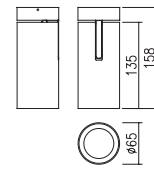
Roll Ø 65 X 135 MM



Track Accent Light




Surface Mounted Tilt Accent Light



Product no.

NEW **DDC-65340.01** LED LAMP 4.6W

NEW **DDC-65340.02** LED LAMP 4.6W

TYPE OF LED : LED LAMP 

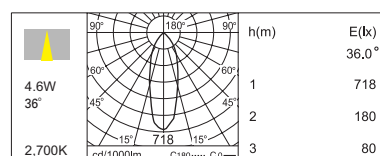


LED HOUSING	AL. Extrude, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 90^\circ$)
HEAT SINK	AL. Die-Casting, Electrostatic Powder Coating
MOUNTING RING	AL. Extrude, Electrostatic Powder Coating
INSTALLATION	On 3 circuit track (PC) Surface Mounted Tilt Accent Type Surface Mounted Type Recessed Accent Type

TYPE OF LED	LED LAMP (GU10) 4.6W
BEAM ANGLE	25° ,36°
INPUT VOLTAGE	220-240V AC , 50-60Hz

COLOR TEMPERATURE (K)	INPUT POWER (W)	LED LAMP EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	COLOR RENDERING INDEX
● 2,700K	4.6W	85 lm/W	395 lm	80

MAINTENANCE OF LUMEN -L70	30,000 hours at 25 °C
COLOR RENDERING INDEX	80
COLOR TEMPERATURE	● 3,000K ● 2,700K



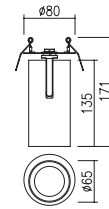
Roll Ø 65 X 135 MM



Surface Mounted Accent Light



Recessed Accent Light



Ø 70 mm (2 4/5")

Product no.

NEW DDC-65340.03 LED LAMP 4.6W

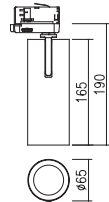
NEW DDC-65340.04 LED LAMP 4.6W



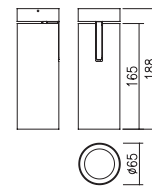
Roll Ø 65 X 165 MM



Track Accent Light



Surface Mounted Tilt Accent Light



Product no.

NEW **DDC-65341.01** LED LAMP 15W

NEW **DDC-65341.02** LED LAMP 15W

TYPE OF LED : LED LAMP



LED HOUSING

AL. Extrude, Electrostatic Powder Coating
Adjustable Angle (Tilt $\angle 90^\circ$)

HEAT SINK

AL. Die-Casting, Electrostatic Powder Coating

MOUNTING RING

AL. Extrude, Electrostatic Powder Coating

INSTALLATION

On 3 circuit track (PC)
Surface Mounted Tilt Accent Type
Surface Mounted Type
Recessed Accent Type

OPTION

Wireless Control (Bluetooth Module)

TYPE OF LED

LED LAMP (CN50-COB)

BEAM ANGLE

24°, 40°

INPUT VOLTAGE

220-240V AC, 50-60Hz

MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX CRI	OUTPUT CURRENT (mA)
1,400lm	● 3,000K	15W	13W	94 lm/w	1,387 lm	37V DC	80	350mA DC

LED LIFETIME

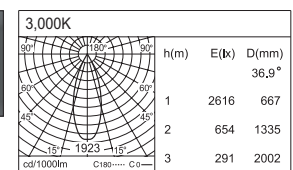
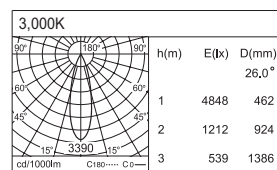
30,000 hours

COLOR RENDERING INDEX

80

COLOR TEMPERATURE

○ 4,000K ● 3,000K



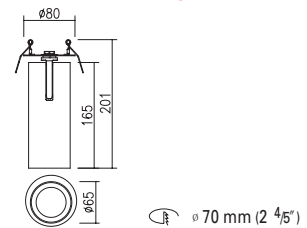
Roll Ø 65 X 165 MM



Surface Mounted Accent Light



Recessed Accent Light



Product no.

NEW DDC-65341.03 LED LAMP 15W

NEW DDC-65341.04 LED LAMP 15W

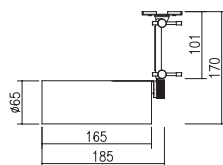


Surface Mounted Accent Light

NEW DDC-65341.06 COB 14W



TYPE OF LED : COB



LED HOUSING	AL. Extrude, Electrostatic Powder Coating Adjustable Angle (Tilt \angle 90°)
HEAT SINK	AL. Die-Casting, Electrostatic Powder Coating
MOUNTING RING	AL. Extrude, Electrostatic Powder Coating
REFLECTOR	AL. Anodized Silver
INSTALLATION	On 3 circuit track (PC) / Magnet
OPTION	Wireless Control (Bluetooth Module)

TYPE OF LED	COB
INPUT VOLTAGE	220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
1,000lm	3,000K	14W	12W	94 lm/w	1,335 lm	35V DC	80	350mA DC

OPERATING TEMPERATURE RANGE	-20 to +40°C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25°C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	○ 4,000K ● 3,000K
PHOTOMETRIC DATA	>>> page 50

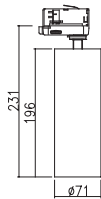
Roll Ø 71

Track Accent Light



White

Black



Product no.

NEW **DDC-65070.05** COB 24W

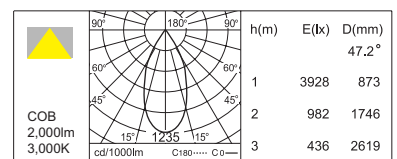
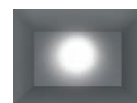
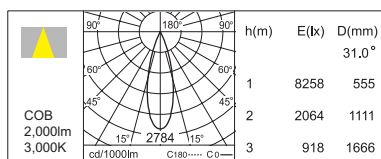
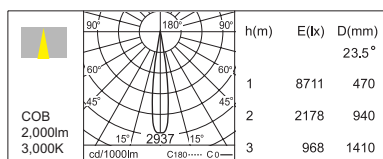
TYPE OF LED : COB



LED HOUSING	AL. Extrude, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 90^\circ$)
HEAT SINK	AL. Extrude, Electrostatic Powder Coating
MOUNTING RING	AL. Extrude, Electrostatic Powder Coating
REFLECTOR	LENS
INSTALLATION	On 3 circuit track (PC)
OPTION	Wireless Control (Bluetooth Module)

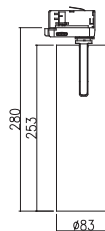
TYPE OF LED	COB							
INPUT VOLTAGE	220-240V AC , 50-60Hz							
MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
2,000 lm	3,000K	24W	21W	112 lm/w	2,676 lm	35V DC	80	600mA DC

OPERATING TEMPERATURE RANGE -20 to +40 °C
 MAINTENANCE OF LUMEN -L80 50,000 hours at 25 °C
 COLOR RENDERING INDEX 80, 90
 COLOR TEMPERATURE 4,000K 3,000K



Roll Ø 83

Track Accent Light




Product no.

NEW DDC-65170.05 SERIES

DDC-65170.05 COB 20W
DDC-65171.05 COB 27W


TYPE OF LED : COB 



LED HOUSING	AL. Extrude, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 90^\circ$)
HEAT SINK	AL. Extrude, Electrostatic Powder Coating
MOUNTING RING	AL. Extrude, Electrostatic Powder Coating
REFLECTOR	LENS
INSTALLATION	On 3 circuit track (PC)
OPTION	Wireless Control (Bluetooth Module) 

TYPE OF LED	COB
INPUT VOLTAGE	220-240V AC , 50-60Hz

MODULE	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
DDC-65170.05								
2,000lm	○ 4,000K	20W	17W	121 lm/w	2,409 lm	34V DC	80	500mA DC
2,000lm	● 3,000K	20W	16W	119 lm/w	2,335 lm	34V DC	80	500mA DC
DDC-65171.05								
3,000lm	○ 4,000K	27W	23W	119 lm/w	3,253 lm	34V DC	80	700mA DC
3,000lm	● 3,000K	27W	24W	115 lm/w	3,119 lm	34V DC	80	700mA DC

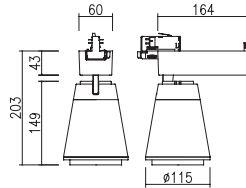
OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25 °C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	○ 4,000K ● 3,000K
PHOTOMETRIC DATA	 >>> page 17

CONIC LED ACCENT LIGHT
DDC-65250 SERIES



Conic

Track Accent Light

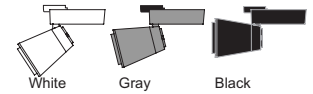


Product no.

DDC-65250 SERIES

DDC-65250	COB 20W
DDC-65251	COB 28W

Type of LED : COB 



LED HOUSING & HEAT SINK

AL. Die-Casting, Electrostatic Powder Coating
Adjustable Angle (Tilt $\angle 90^\circ$)

MOUNTING RING

AL. Die-Casting, Electrostatic Powder Coating

GEAR BOX

AL. Die-Casting, Electrostatic Powder Coating

REFLECTOR

AL. Anodized Specular Silver

INSTALLATION

On 3 circuit track (PC)

OPTION

Wireless Control (Bluetooth Module) 

TYPE OF LED	COB
INPUT VOLTAGE	220-240V AC , 50-60Hz

MODULE	COLOR	INPUT	OUTPUT	SYSTEM	LUMINOUS	OUTPUT	COLOR	OUTPUT
LUMINOUS FLUX	TEMPERATURE (K)	POWER (W)	POWER (W)	EFFICIENCY (lm/w)	FLUX (lm)	VOLTAGE (nominal)	RENDERING INDEX_CRI	CURRENT (mA)
DDC-65250								
2,000lm	○ 4,000K	20W	17W	118 lm/w	2,352 lm	34V DC	80	500mA DC
2,000lm	● 3,000K	20W	16W	116 lm/w	2,284 lm	34V DC	80	500mA DC
DDC-65251								
3,000lm	○ 4,000K	28W	24W	113 lm/w	3,167 lm	35V DC	80	700mA DC
3,000lm	● 3,000K	28W	24W	110 lm/w	3,056 lm	35V DC	80	700mA DC

OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25 °C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	○ 4,000K ● 3,000K

PHOTOMETRIC DATA



>>> page 16



MONOCLE LED ACCENT LIGHT

Designed by Carlo Tamborini



Monocle

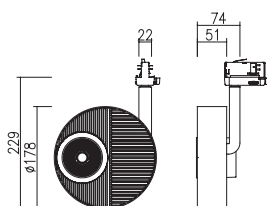
Track Accent Light



White




Black

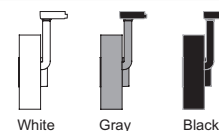


Product no.

DDC-65150 SERIES

- DDC-65150 COB 20W
- DDC-65151 COB 28W

Type of LED : COB 



LED HOUSING & HEAT SINK

AL. Die-Casting, Electrostatic Powder Coating
Adjustable Angle (Tilt $\angle 90^\circ$)

MOUNTING RING

AL. Die-Casting, Electrostatic Powder Coating

REFLECTOR

AL. Anodized Specular Silver

INSTALLATION

On 3 circuit track (PC)

OPTION

Wireless Control (Bluetooth Module) 

MODULE	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
DDC-65150								
2,000lm	○ 4,000K	20W	17W	118 lm/w	2,352 lm	34V DC	80	500mA DC
2,000lm	● 3,000K	20W	16W	116 lm/w	2,284 lm	34V DC	80	500mA DC
DDC-65151								
3,000lm	○ 4,000K	28W	24W	113 lm/w	3,167 lm	35V DC	80	700mA DC
3,000lm	● 3,000K	28W	24W	110 lm/w	3,056 lm	35V DC	80	700mA DC

OPERATING TEMPERATURE RANGE

-20 to +40 °C

MAINTENANCE OF LUMEN -L80

50,000 hours at 25 °C

COLOR RENDERING INDEX

80, 90

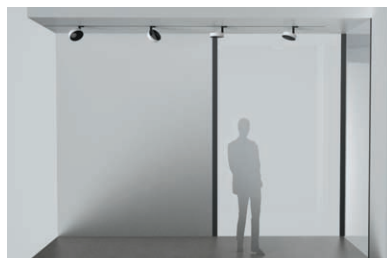
COLOR TEMPERATURE

○ 4,000K ● 3,000K

PHOTOMETRIC DATA



>>> page 16

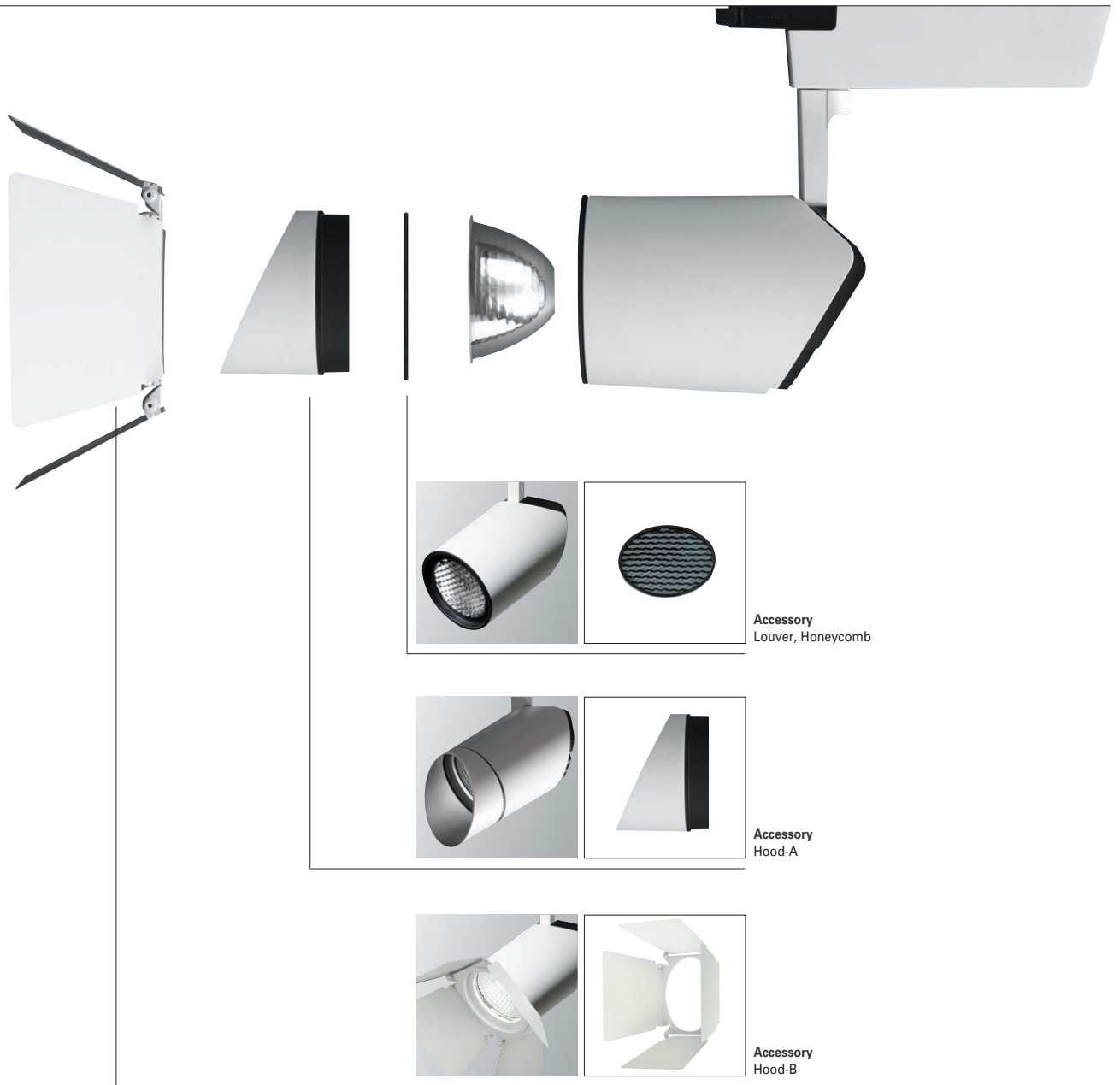


Louver, Honeycomb

BLACK TIE LED ACCENT LIGHT

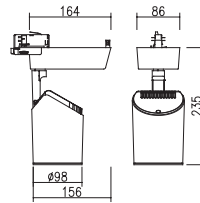
Designed by Bruno Gecchelin






Black Tie

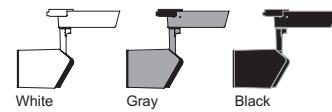
Track Accent Light




Product no.

DDC-63732 COB 20W

TYPE OF LED : COB 

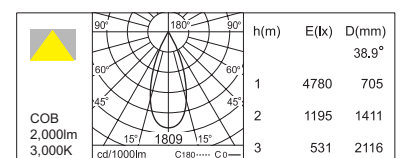
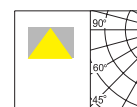
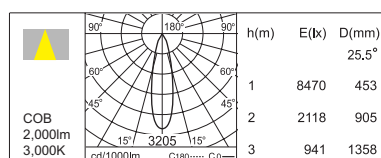
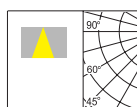
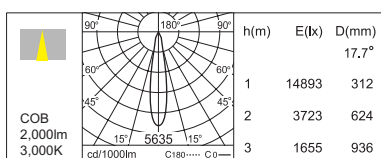
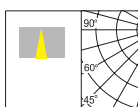
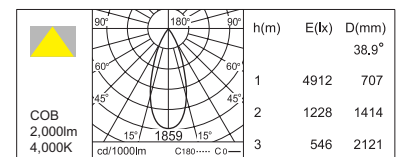
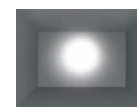
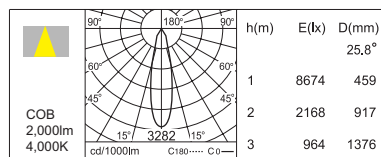
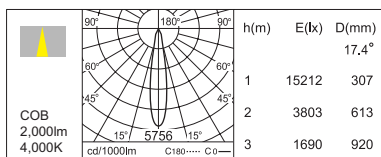


LED HOUSING	AL. Extrude, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 90^\circ$)
HEAT SINK	AL. Extrude, Electrostatic Powder Coating (Black only)
MOUNTING RING	Aluminium, Electrostatic Powder Coating (Black only)
REFLECTOR	AL. Anodized Specular Silver Square
INSTALLATION	On 3 circuit track (PC)
OPTION	Wireless Control (Bluetooth Module) 

TYPE OF LED	COB
INPUT VOLTAGE	220-240V AC , 50-60Hz

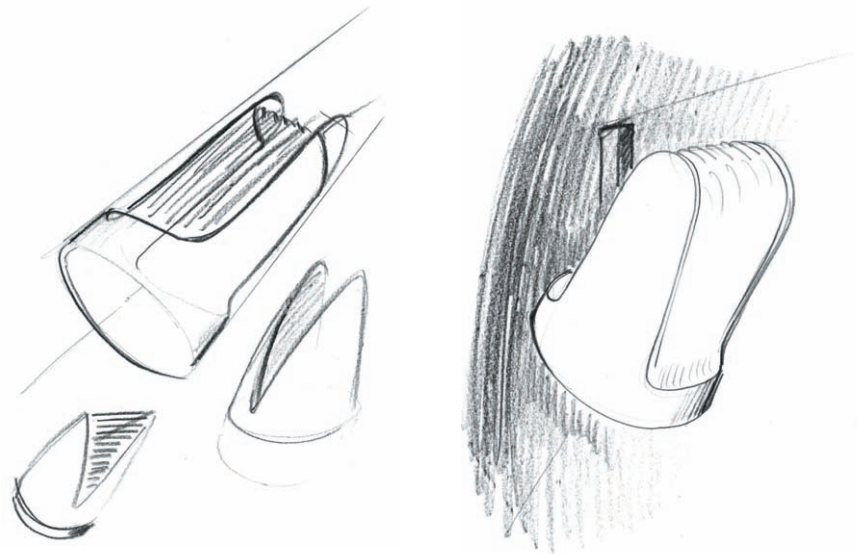
MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX CRI	OUTPUT CURRENT (mA)
2,000lm	○ 4,000K	20W	17W	118 lm/w	2,352 lm	34V DC	80	500mA DC
2,000lm	● 3,000K	20W	16W	116 lm/w	2,284 lm	34V DC	80	500mA DC

OPERATING TEMPERATURE RANGE	-20 to +40°C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25°C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	○ 4,000K ● 3,000K



ISSIMO LED ACCENT LIGHT
Designed by Bruno Gecchelin





Issimo

LED ACCENT LIGHT


Bruno Gecchelin

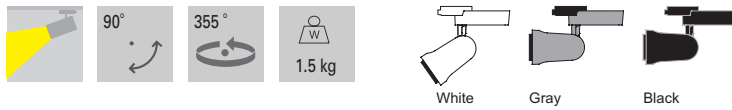



Issimo

DDC-65100 series



TYPE OF LED : COB 



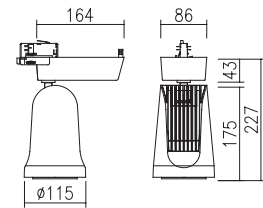
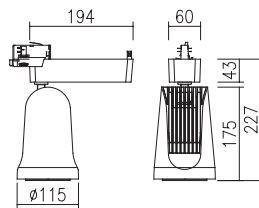
LED HOUSING	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 90^\circ$)
MOUNTING RING	AL. Die-Casting, Electrostatic Powder Coating
GEAR BOX	AL. Die-Casting, Electrostatic Powder Coating
REFLECTOR	AL. Anodized Specular Silver
INSTALLATION	On 3 circuit track (PC)
OPTION	Wireless Control (Bluetooth Module) 

TYPE OF LED		COB						
INPUT VOLTAGE		220-240V AC , 50-60Hz						
MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
DDC-65100								
2,000lm	○ 4,000K	20W	17W	118 lm/w	2,352 lm	34V DC	80	500mA DC
2,000lm	● 3,000K	20W	16W	116 lm/w	2,284 lm	34V DC	80	500mA DC
DDC-65101								
3,000lm	○ 4,000K	28W	24W	113 lm/w	3,167 lm	35V DC	80	700mA DC
3,000lm	● 3,000K	28W	24W	110 lm/w	3,056 lm	35V DC	80	700mA DC
DDC-65102								
4,000lm	○ 4,000K	42W	37W	92 lm/W	3,897 lm	35V DC	80	1,050mA DC
4,000lm	● 3,000K	42W	37W	87 lm/W	3,652 lm	36V DC	80	1,050mA DC
DDC-65103								
5,000lm	○ 4,000K	56W	49W	88 lm/W	4,932 lm	35V DC	80	1,400mA DC
5,000lm	● 3,000K	56W	49W	83 lm/W	4,623 lm	35V DC	80	1,400mA DC

OPERATING TEMPERATURE RANGE	-20 to +40°C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25°C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	○ 4,000K ● 3,000K

Issimo

Track Accent Light



Product no.

DDC-65100 SERIES

DDC-65100 COB 20W
DDC-65101 COB 28W

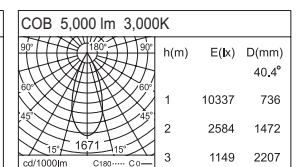
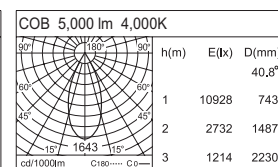
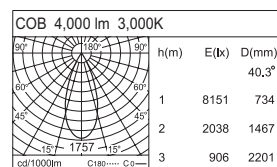
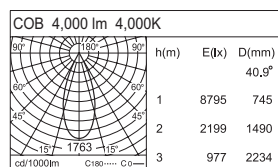
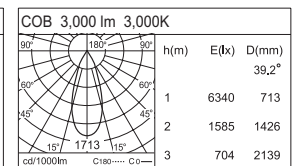
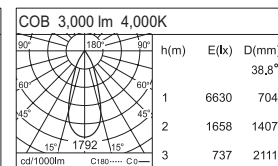
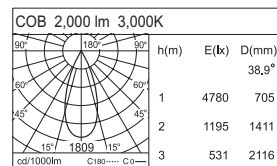
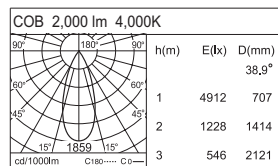
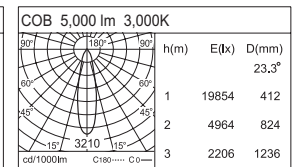
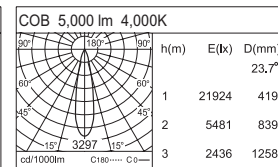
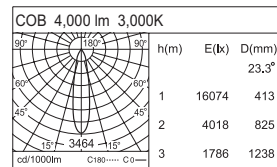
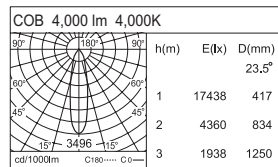
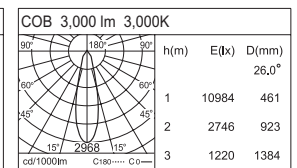
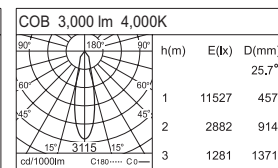
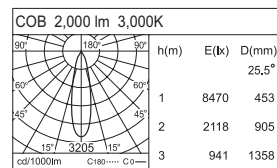
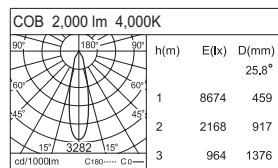
DDC-65102 COB 42W
DDC-65103 COB 56W



Hood - AL Die-Casting



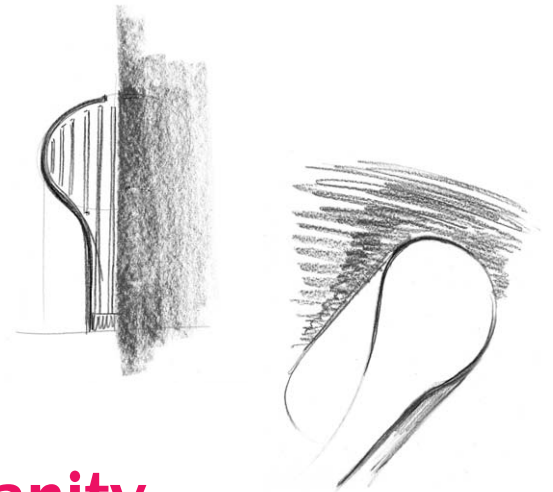
Louver, Honeycomb



VANITY LED ACCENT LIGHT

Designed by Bruno Gecchelin





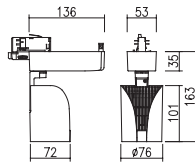
Vanity

The reflector gently touches the gear box, two bodies joining
: a beam of light is born.


Bruno Gecchelin

Vanity

Track Accent Light



Product no. **DDC-65080** COB 10W

TYPE OF LED : COB 

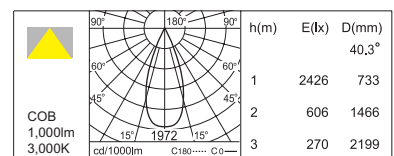
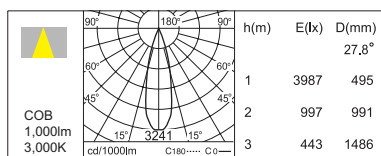
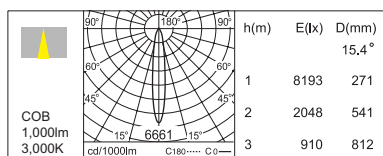


LED HOUSING	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 90^\circ$)
HEAT SINK	AL. Die-Casting, Electrostatic Powder Coating
MOUNTING RING	PC, Urethane Coating
GEAR BOX	PC, Urethane Coating
REFLECTOR	PC (Vacuum Coating)
INSTALLATION	On 3 circuit track (PC)

TYPE OF LED	COB
INPUT VOLTAGE	220-240V AC , 50-60Hz

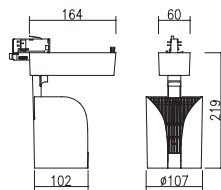
MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
1,000lm	● 3,000K	10W	9W	104 lm/w	1,037 lm	34V DC	80	250mA DC

OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25 °C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	○ 4,000K ● 3,000K



Vanity

Track Accent Light



Product no.

DDC-65090 COB 20W

TYPE OF LED : COB



White

Gray

Black

LED HOUSING

AL. Die-Casting, Electrostatic Powder Coating
Adjustable Angle (Tilt $\angle 90^\circ$)

HEAT SINK

AL. Die-Casting, Electrostatic Powder Coating

MOUNTING RING

PC, Urethane Coating

GEAR BOX

PC, Urethane Coating

REFLECTOR

PC (Vacuum Coating)

INSTALLATION

On 3 circuit track (PC)

OPTION

Wireless Control (Bluetooth Module) 

TYPE OF LED

COB

INPUT VOLTAGE

220-240V AC , 50-60Hz

MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
2,000lm	○ 4,000K	20W	17W	118 lm/w	2,352 lm	34V DC	80	500mA DC
2,000lm	● 3,000K	20W	16W	116 lm/w	2,284 lm	34V DC	80	500mA DC

OPERATING TEMPERATURE RANGE

-20 to +40 °C

MAINTENANCE OF LUMEN -L80

50,000 hours at 25 °C

COLOR RENDERING INDEX

80, 90

COLOR TEMPERATURE

○ 4,000K ● 3,000K

PHOTOMETRIC DATA



>>> page 16

AURORA LED ACCENT LIGHT

DDC-65010 / DDC-65060 SERIES



creamy smoothies

오거포와 두유를 더해 더욱 부드러운 스타일.

petit ₩5,700 original ₩6,700
power ₩7,700

오렌지 드림 머신
orange dream machine
오렌지 주스, 오렌지 시럽, 우유, 무지방 요거트

마차 그린티 블라스트
matcha green tea blast
마차 그린티, 우유, 무지방 요거트, 초콜릿

커피 크레이즈
coffee craze
커피, 우유, 무지방 요거트

초콜릿 무드
chocolate moo'd
초콜릿 무드, 무지방 요거트

피넛버터 무드
peanut butter moo'd
피넛 버터, 바나나, 초콜릿 무드, 우유, 무지방 요거트

모카 모조
mocha mojo
초콜릿 무드, 커피, 우유, 무지방 요거트



topper smoothies

스무디 위에 그린슬러를 신선한 허브가 어우러진 스타일
₩5,800

베리 타퍼
berry topper
블루베리, 스트로베리, 바나나, 우유, 무지방 요거트, 그린슬러

망고 피치 타퍼
mango peach topper
망고, 피치, 바나나, 우유, 무지방 요거트, 그린슬러

청키 스트로베리 타퍼
chunky strawberry topper
스트로베리, 바나나, 피넛버터, 우유, 무지방 요거트, 그린슬러



fresh-squeezed juices

₩4,500

망근 주스 tangerine

키위 주스 kiwi

토마토 주스 tomato

₩6,800

오렌지 주스 orange

오렌지망근 주스 orange tangerine

오렌지키위 주스 orange kiwi

자주 감귤 주스 jiji tangerine

지몽 주스 grapefruit



hot blends

₩4,800

조물당 차이 golden blend tea

해본리 그린티 healthy green tea

올레네 핫 조물당 oleone hot blend tea

₩4,800

드림컷 아메리카노 dream cut coffee

드림컷 아메리카노 dream cut coffee

organic tea

₩4,800

조물당 차이 golden blend tea

해본리 그린티 healthy green tea

올레네 핫 조물당 oleone hot blend tea

₩4,800

드림컷 아메리카노 dream cut coffee

드림컷 아메리카노 dream cut coffee

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드림컷 아메리카노 dream cut coffee

드림컷 아메리카노 dream cut coffee

Aurora

ACCENT LIGHT

POWER
LED



AURORA
POWER LED
DDC-65010.01
P.86-87

AURORA
POWER LED
DDC-65010.02
P.87

COB



AURORA
COB
DDC-65060.01
P.88-89

AURORA
COB
DDC-65062.01
P.91

AURORA
COB
DDC-65060.02
P.89

Aurora
DDC-65010 series



TYPE OF LED : POWER LED



White

Gray

Black

LED HOUSING

AL. Die-Casting, Electrostatic Powder Coating
Adjustable Angle (Tilt $\angle 180^\circ$)

HEAT SINK

AL. Extrude, Electrostatic Powder Coating (Black only)

MOUNTING RING

AL. Die-Casting, Electrostatic Powder Coating (Black only)

GEAR BOX

AL. Die-Casting, Electrostatic Powder Coating

ACCESSORY

Beam angle LENS Type

INSTALLATION

On 3 circuit track (PC)

BEAM ANGLE

15°, 20°, 30°, 40°



Hood-A
AL. Die-Casting



Hood-B
AL. Die-Casting

TYPE OF LED

POWER LED (7 LED)

INPUT VOLTAGE

220-240V AC, 50-60Hz

COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX CRI	OUTPUT CURRENT (mA)
5,000K	17W	15W	93 lm/w	1,579 lm	21V DC	80	700mA DC
4,000K	18W	15W	70 lm/w	1,259 lm	21V DC	80	700mA DC
3,000K	17W	15W	65 lm/w	1,100 lm	21V DC	80	700mA DC

OPERATING TEMPERATURE RANGE

-20 to +35°C

MAINTENANCE OF LUMEN -L70

50,000 hours at 25°C

COLOR RENDERING INDEX

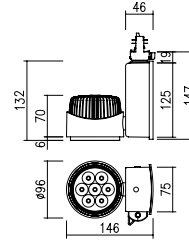
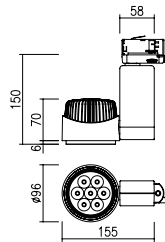
80, 90

COLOR TEMPERATURE

5,000K 4,000K 3,000K

Aurora POWER LED TYPE

Track Accent Light



Option A Non-Dimmable Driver

Option B LED Dimmable Driver

Remote Control
Individual Control (One at a time)

* 옵션가능
디밍드라이버 가능
리모콘을 이용한 디밍

Receiver

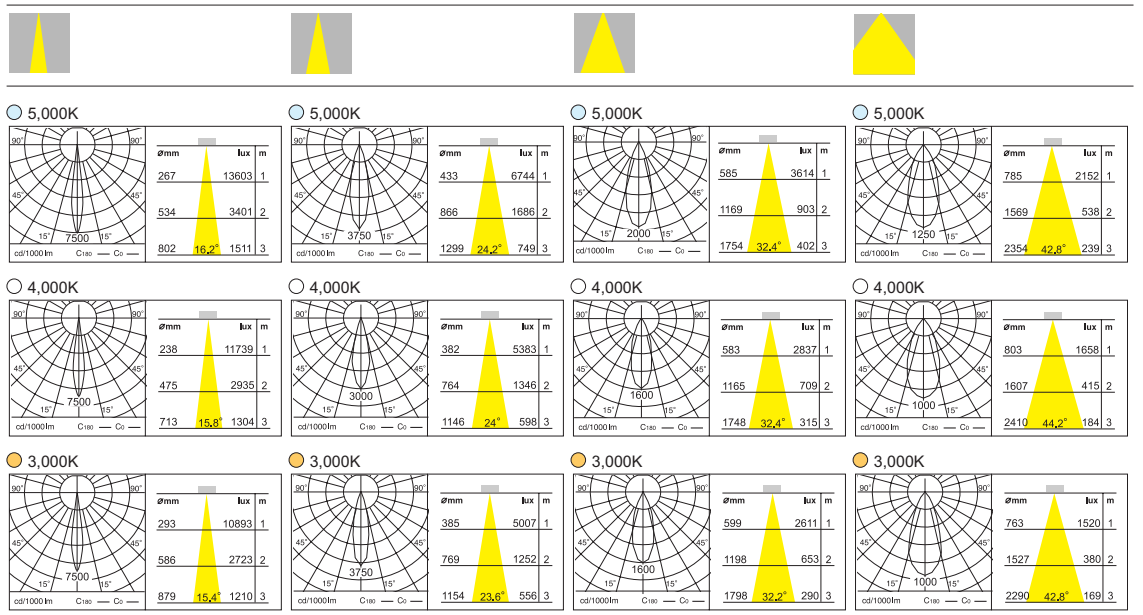
Product no.

DDC-65010.01

POWER LED 18W

DDC-65010.02

POWER LED 18W






Aurora

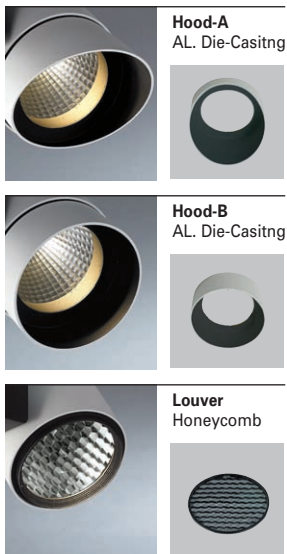
DDC-65060 series




TYPE OF LED : COB 



Accessory



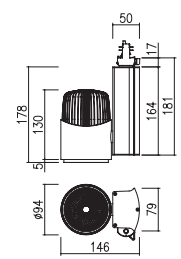
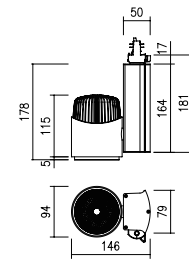
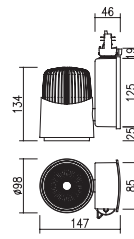
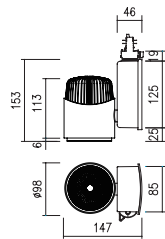
- LED HOUSING AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt \angle 180°)
- HEAT SINK AL. Extrude, Electrostatic Powder Coating (Black only)
- MOUNTING RING AL. Die-Casting, Electrostatic Powder Coating (Black only)
- GEAR BOX AL. Die-Casting or AL. Extrude, Electrostatic Powder Coating
- REFLECTOR AL. Anodized Specular Silver Square
- INSTALLATION On 3 circuit track (PC)
- OPTION Wireless Control (Bluetooth Module) 

MODULE	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
DDC-65060.01 / DDC-65060.02								
2,000lm	○ 4,000K	20W	17W	118 lm/w	2,352 lm	34V DC	80	500mA DC
2,000lm	● 3,000K	20W	16W	116 lm/w	2,284 lm	34V DC	80	500mA DC
DDC-65061.01 / DDC-65061.02								
3,000lm	○ 4,000K	28W	24W	113 lm/w	3,167 lm	35V DC	80	700mA DC
3,000lm	● 3,000K	28W	24W	110 lm/w	3,056 lm	35V DC	80	700mA DC

OPERATING TEMPERATURE RANGE -20 to +40°C
 MAINTENANCE OF LUMEN -L80 50,000 hours at 25°C
 COLOR RENDERING INDEX 80, 90
 COLOR TEMPERATURE ○ 4,000K ● 3,000K

Aurora COB(REF.) TYPE

Track Accent Light



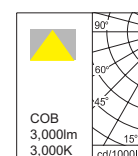
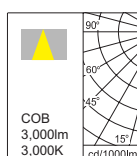
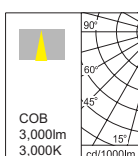
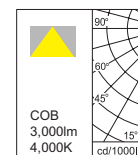
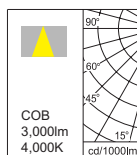
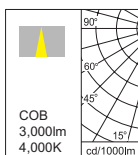
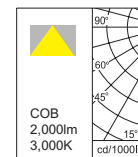
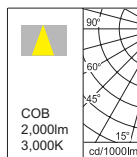
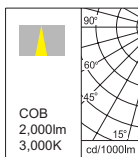
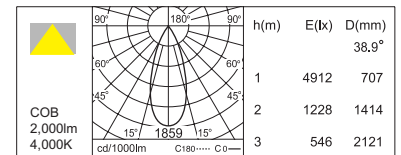
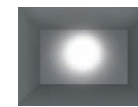
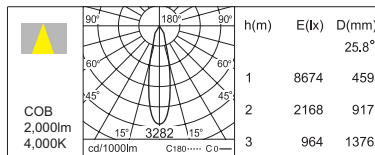
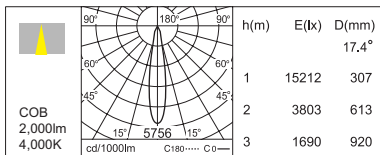
Product no.

DDC-65060.01
COB 20W

DDC-65061.01
COB 28W

DDC-65060.02
COB 20W

DDC-65061.02
COB 28W






AURORA | LED ACCENT LIGHT
DDC-65062.01

Aurora

DDC-65062.01



TYPE OF LED : COB 



LED HOUSING

AL. Extrude, Electrostatic Powder Coating
Adjustable Angle (Tilt $\angle 180^\circ$)

HEAT SINK

AL. Die-Casting, Electrostatic Powder Coating (Black only)

MOUNTING RING

AL. Extrude, Electrostatic Powder Coating (Black only)

GEAR BOX

AL. Die-Casting or AL. Extrude, Electrostatic Powder Coating

REFLECTOR

LENS

INSTALLATION

On 3 circuit track (PC)

OPTION


Wireless Control (Bluetooth Module) 

TYPE OF LED

COB

INPUT VOLTAGE


220-240V AC , 50-60Hz

MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
5,000lm	 3,000K	49W	44W	104 lm/w	5,113 lm	35V DC	80	1,250mA DC

OPERATING TEMPERATURE RANGE -20 to +40°C

MAINTENANCE OF LUMEN -L80 50,000 hours at 25°C

COLOR RENDERING INDEX 80, 90

COLOR TEMPERATURE  4,000K  3,000K

Aurora COB(LENS) TYPE

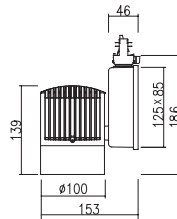
Track Accent Light



White

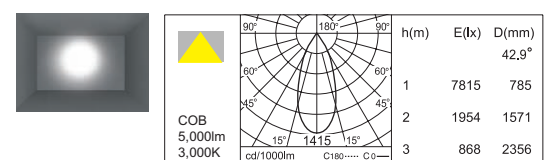
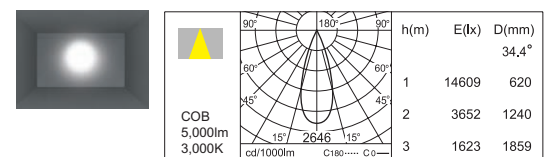
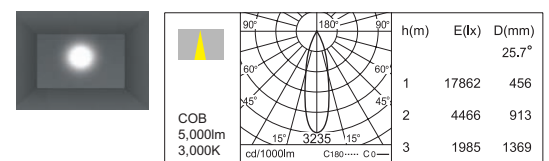


Black



Product no.

NEW DDC-65062.01 COB 49W



TWINKLE LED ACCENT LIGHT

DDC-65070 SERIES



Type of LED : COB 



White

Black

LED HOUSING

AL. Die-Casting, Electrostatic Powder Coating
Adjustable Angle (Tilt $\angle 90^\circ$)

HEAT SINK

AL. Die-Casting, Electrostatic Powder Coating (Black only)

MOUNTING RING

AL. Die-Casting, Electrostatic Powder Coating

GEAR BOX

PC, Urethane Coating

REFLECTOR

PC (Vacuum Coating)

INSTALLATION

On 3 circuit track (PC)

TYPE OF LED

COB

INPUT VOLTAGE

220-240V AC , 50-60Hz

MODULE	COLOR	INPUT	OUTPUT	SYSTEM	LUMINOUS	OUTPUT	COLOR	OUTPUT
LUMINOUS FLUX	TEMPERATURE (K)	POWER (W)	POWER (W)	EFFICIENCY (lm/w)	FLUX (lm)	VOLTAGE (nominal)	RENDERING INDEX_CRI	CURRENT (mA)
DDC-65070.01								
1,000lm	3,000K	10W	9W	104 lm/w	1,037 lm	34V DC	80	250mA DC
DDC-65070.02								
1,000lm	3,000K	14W	12W	94 lm/w	1,335 lm	35V DC	80	350mA DC

OPERATING TEMPERATURE RANGE

-20 to +40°C

MAINTENANCE OF LUMEN -L80

50,000 hours at 25°C

COLOR RENDERING INDEX

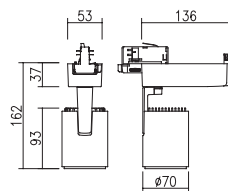
80, 90

COLOR TEMPERATURE

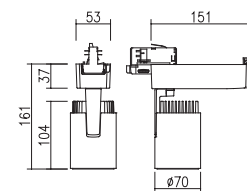
○ 4,000K ● 3,000K

Twinkle

Track Accent Light



DDC-65070.01 COB 10W



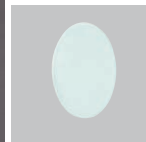
DDC-65070.02 COB 14W

Product no.

ACCESSORY



Acrylic Plate
: Frosted Tempered,
Reduce Glare



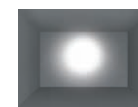
Louver Honeycomb



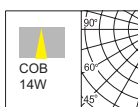
COB 10W	h(m)	E(lx)	D(mm)
3,000K	1	8193	271
	2	2048	541
	3	910	812



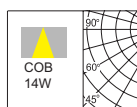
COB 10W	h(m)	E(lx)	D(mm)
3,000K	1	3987	495
	2	997	991
	3	443	1486



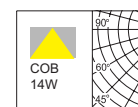
COB 10W	h(m)	E(lx)	D(mm)
3,000K	1	2426	733
	2	606	1466
	3	270	2199



COB 14W	h(m)	E(lx)	D(mm)
3,000K	1	10213	276
	2	2553	552
	3	1135	827



COB 14W	h(m)	E(lx)	D(mm)
3,000K	1	5057	475
	2	1264	950
	3	562	1424

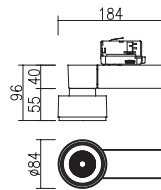


COB 14W	h(m)	E(lx)	D(mm)
3,000K	1	3044	727
	2	761	1455
	3	338	2182

iCAN COB TYPE

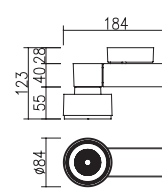


Track Accent Light



DDC-63812 COB 10W

Surface Mounted Accent Light



DDC-63812-02 COB 10W

Product no.

TYPE OF LED : COB



LED HOUSING & HEAT SINK

AL. Die-Casting, Electrostatic Powder Coating
Adjustable Angle (Tilt $\angle 180^\circ$)

MOUNTING RING

PC, Electrostatic Powder Coating

GEAR BOX

AL. Die-Casting, Electrostatic Powder Coating

REFLECTOR

PC (Vacuum Coating)

INSTALLATION

On 3 circuit track (PC)
Surface Mounted Type

TYPE OF LED

COB

INPUT VOLTAGE

220-240V AC , 50-60Hz

MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
1,000lm	3,000K	10W	9W	104 lm/w	1,037 lm	34V DC	80	250mA DC

OPERATING TEMPERATURE RANGE

-20 to +40 °C

MAINTENANCE OF LUMEN -L80

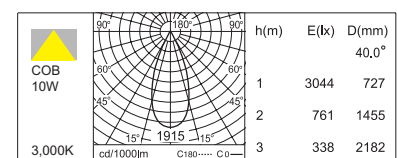
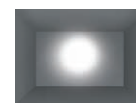
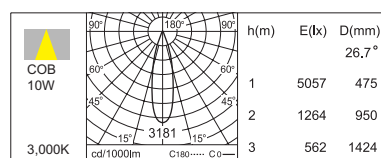
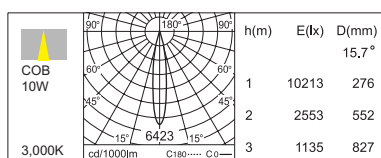
50,000 hours at 25 °C

COLOR RENDERING INDEX

80, 90

COLOR TEMPERATURE

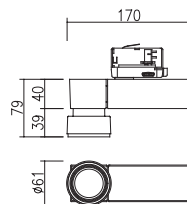
○ 4,000K ● 3,000K



iCAN LED LAMP TYPE

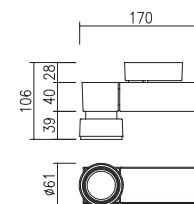


Track Accent Light



DDC-63822 LED LAMP 15W

Surface Mounted Accent Light



DDC-63822-02 LED LAMP 15W

Product no.

TYPE OF LED : LED LAMP



LED HOUSING & HEAT SINK

AL. Die-Casting, Electrostatic Powder Coating
Adjustable Angle (Tilt \angle 180°)

MOUNTING RING

PC, Electrostatic Powder Coating

INSTALLATION

On 3 circuit track (PC)
Surface Mounted Type

TYPE OF LED

LED MR16

BEAM ANGLE

24°, 36°

INPUT VOLTAGE

220-240V AC, 50-60Hz

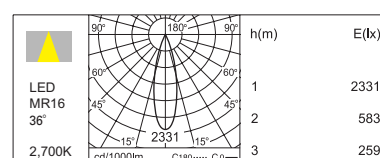
COLOR TEMPERATURE (K)	INPUT POWER (W)	LUMINOUS FLUX (lm)	LED OUTPUT VOLTAGE	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
● 2,700K	9W	1,200 lm	40V DC	80	250mA DC

MAINTENANCE OF LUMEN -L70

30,000 hours at 25°C

COLOR TEMPERATURE

● 3,000K ● 2,700K



 **BOLA** LED ACCENT LIGHT
DDC-63312.01



Bola LED LAMP

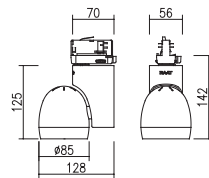
Track Accent Light



White



Black



Product no.

NEW DDC-63312.01 LED LAMP 15W

TYPE OF LED : LED LAMP



White

Gray

Black

LED HOUSING

AL. Die-Casting, Electrostatic Powder Coating
Adjustable Angle (Tilt $\angle 90^\circ$)

GEAR BOX

AL. Die-Casting, Electrostatic Powder Coating

MOUNTING RING

AL. Die-Casting, Electrostatic Powder Coating

TYPE OF LED

LED LAMP (CN50-COB)

BEAM ANGLE

24°, 40°

INPUT VOLTAGE

220-240V AC, 50-60Hz

MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
1,400lm	3,000K	15W	13W	94 lm/w	1,387 lm	37V DC	80	350mA DC

LED LIFETIME

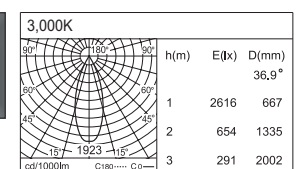
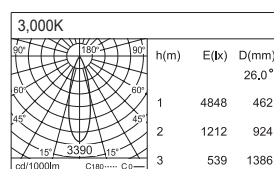
30,000 hours

COLOR RENDERING INDEX

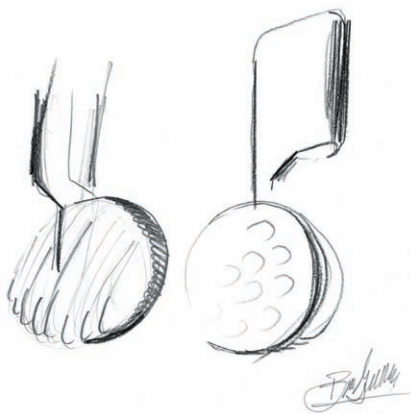
80

COLOR TEMPERATURE

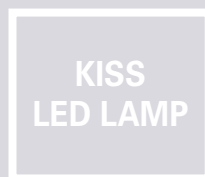
○ 4,000K ● 3,000K



KISS LED ACCENT LIGHT
Designed by Bruno Gecchelin

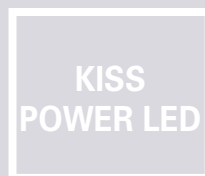


Kiss ACCENT LIGHT



KISS_LED LAMP
DDC-63522.01
ø 89
P.100

KISS_LED LAMP
DDC-63572.01
ø 130
P.101



KISS_POWER LED
DDC-65110.01 SEREIS
P.102~103

KISS_POWER LED
DDC-65110.02 SEREIS
P.103

Kiss



The reflector gently touches the gear box, two bodies joining: a beam of light is born.

Back in the time when the Venetian trader and explorer Marco Polo was travelling to Asian countries the journey lasted years.

Nowadays globalization and the advancement in technology has lead to the development of a flatter world, offering anyone the ability to communicate with the other side of the Globe in a split second.

The Raat Company has taken this opportunity to bridge the distance among the Italian and Korean worlds by bringing together the two different cultures aimed at creating new and innovative products.

This is one of the advantages of globalization. It allows us to broaden our horizons by learning about different cultures and ideals, to integrate different knowledge with our own and not just in a superficial way.

Facing this project for Raat, I wanted the feeling that the light as a life-bearer required a curvy yet delicate design. The sensual, smoothly carved shape of the reflector meets the sleek and functional volume of the gear or bracket arm. They touch and tilt like a lover in a kiss that connects different materials and advanced technologies.

Bruno Gecchelin

Kiss LED LAMP TYPE

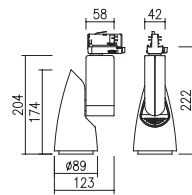
Track Accent Light



White



Black



Product no.

NEW DDC-63522.01 LED LAMP 15W

TYPE OF LED : LED LAMP



White

Gray

Black

LED HOUSING

AL. Die-Casting, Electrostatic Powder Coating
Adjustable Angle (Tilt \angle 180°)

GEAR BOX

AL. Die-Casting, Electrostatic Powder Coating

MOUNTING RING

AL. Die-Casting, Electrostatic Powder Coating

INSTALLATION

On 3 circuit track (PC)

TYPE OF LED

LED LAMP (CN50-COB)

BEAM ANGLE

24°, 40°

INPUT VOLTAGE

220-240V AC, 50-60Hz

MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
1,400lm	● 3,000K	15W	13W	94 lm/w	1,387 lm	37V DC	80	350mA DC

LED LIFETIME

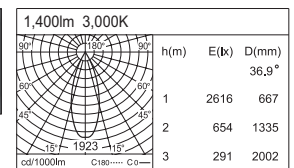
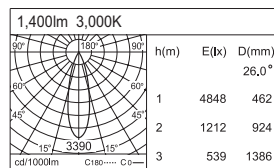
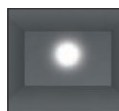
30,000 hours

COLOR RENDERING INDEX

80

COLOR TEMPERATURE

○ 4,000K ● 3,000K



Kiss LED LAMP TYPE

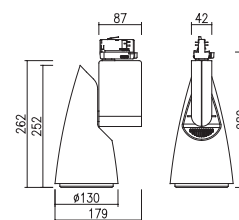
Track Accent Light



White



Black



Product no.

NEW DDC-63572.01 SERIES

DDC-63572.01 LED LAMP 28W x 1
DDC-63573.01 LED LAMP 40W x 1

TYPE OF LED : LED LAMP



1.3 kg



White Gray Black

LED HOUSING

AL. Die-Casting, Electrostatic Powder Coating
Adjustable Angle (Tilt $\angle 180^\circ$)

GEAR BOX

AL. Die-Casting, Electrostatic Powder Coating

MOUNTING RING

AL. Die-Casting, Electrostatic Powder Coating

INSTALLATION

On 3 circuit track (PC)

OPTION

Wireless Control (Bluetooth Module)

TYPE OF LED

LED LAMP (CN111-COB)

BEAM ANGLE

24°, 40°

INPUT VOLTAGE

220-240V AC, 50-60Hz

MODULE	COLOR	INPUT	OUTPUT	SYSTEM	LUMINOUS	OUTPUT	COLOR	OUTPUT
LUMINOUS	TEMPERATURE	POWER	POWER	EFFICIENCY	FLUX	VOLTAGE	RENDERING	CURRENT
FLUX	(K)	(W)	(W)	(lm/w)	(lm)	(nominal)	INDEX_CRI	(mA)
DDC-63572.01								
2,800lm	○ 4,000K	28W	25W	104 lm/w	2,928 lm	36V DC	80	700mA DC
2,800lm	● 3,000K	28W	25W	99 lm/w	2,787 lm	36V DC	80	700mA DC
DDC-63573.01								
4,300lm	○ 4,000K	40W	35W	121 lm/w	4,797 lm	35V DC	80	1,050mA DC
4,300lm	● 3,000K	40W	35W	115 lm/w	4,571 lm	35V DC	80	1,050mA DC

LED LIFETIME

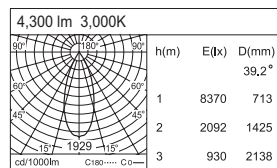
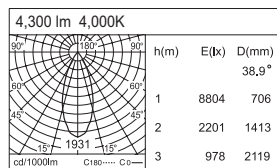
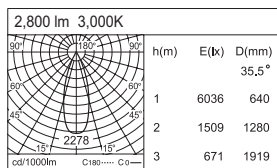
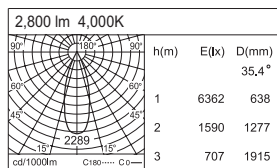
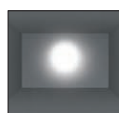
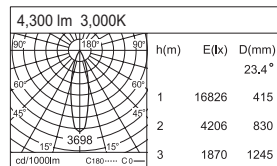
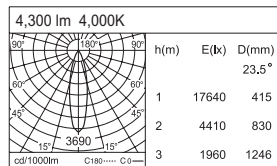
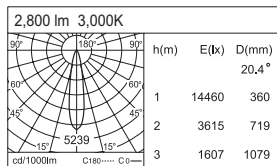
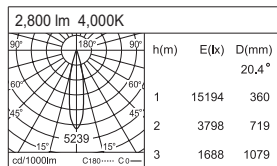
30,000 hours

COLOR RENDERING INDEX

80

COLOR TEMPERATURE

○ 4,000K ● 3,000K

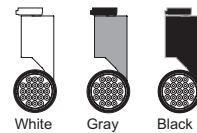




TYPE OF LED : POWER LED 



1.8 kg



White

Gray

Black

LED HOUSING & HEAT SINK

AL. Die-Casting, Electrostatic Powder Coating
Adjustable Angle (Tilt $\angle 90^\circ$)

MOUNTING RING

AL. Die-Casting, Electrostatic Powder Coating

GEAR BOX

AL. Die-Casting, Electrostatic Powder Coating

ACCESSORY

Beam angle LENS Type

INSTALLATION

On 3 circuit track (PC)
Surface Mounted Type

BEAM ANGLE

10°, 15°, 20°, 30°, 40°

TYPE OF LED

POWER LED (21 LED)

INPUT VOLTAGE

220-240V AC, 50-60Hz

COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
○ 5,000K	30W	24W	113 lm/w	3,394 lm	20V DC	80	1,200mA DC
○ 4,000K	30W	24W	105 lm/w	3,163 lm	20V DC	80	1,200mA DC
● 3,000K	30W	24W	81 lm/w	2,443 lm	20V DC	80	1,200mA DC

OPERATING TEMPERATURE RANGE

-20 to +35°C

MAINTENANCE OF LUMEN -L70

50,000 hours at 25°C

COLOR RENDERING INDEX

80, 90

COLOR TEMPERATURE

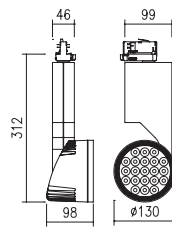
○ 5,000K ○ 4,000K ● 3,000K



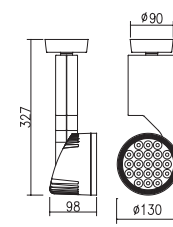
Kiss POWER LED TYPE



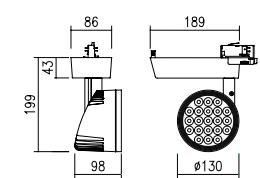
Track Accent Light



Surface Mounted Accent Light



Track Accent Light

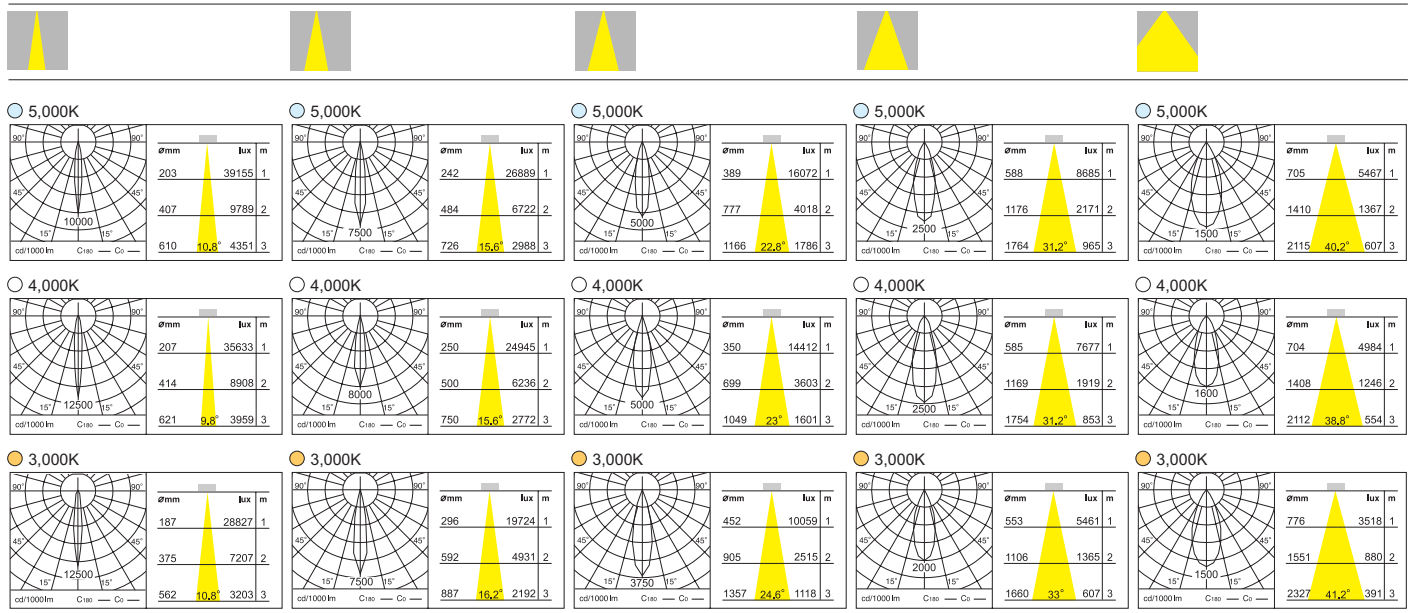


Product no.

DDC-65110.01 POWER LED 30W

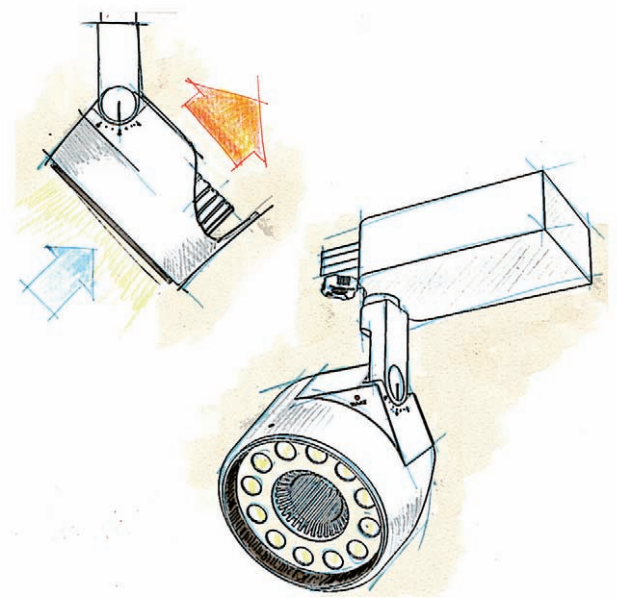
DDC-65110.01-02 POWER LED 30W

DDC-65110.02 POWER LED 30W



KIO LED ACCENT LIGHT
Designed by Eduardo Albers





Kio

LED ACCENT LIGHT

Sometimes the design of the technical focus determines what function.

In case the design of KIO overheating of the LED and the use of the heat sink, so the design thereof has a central passage which creates a flow of the air to cool the heat sink and that also confers a different aspect to influence the final design.

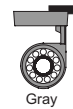
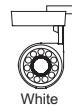
The body embraces this fits together and ergonomics of use.

Eduardo Albors





TYPE OF LED : POWER LED 



White

Gray

Black

LED HOUSING & HEAT SINK

AL. Die-Casting, Electrostatic Powder Coating
Adjustable Angle (Tilt $\angle 90^\circ$)

HEAT SINK

AL. Die-Casting, Electrostatic Powder Coating

MOUNTING RING

PC, Urethane Coating

GEAR BOX

AL. Die-Casting, Electrostatic Powder Coating

ACCESSORY

Beam angle LENS Type

INSTALLATION

On 3 circuit track (PC)

BEAM ANGLE

15°, 20°, 30°, 40°

OPTION

Wireless Control (Bluetooth Module) 

TYPE OF LED

POWER LED (11 LED)

INPUT VOLTAGE

220-240V AC, 50-60Hz

COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
○ 5,000K	27W	23W	94 lm/w	2,541 lm	33V DC	80	700mA DC
○ 4,000K	27W	23W	92 lm/w	2,487 lm	33V DC	80	700mA DC
● 3,000K	27W	23W	78 lm/w	2,105 lm	33V DC	80	700mA DC

OPERATING TEMPERATURE RANGE

-20 to +35°C

MAINTENANCE OF LUMEN -L70

50,000 hours at 25°C

COLOR RENDERING INDEX

80, 90

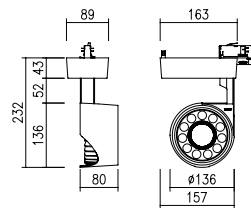
COLOR TEMPERATURE

○ 5,000K ○ 4,000K ● 3,000K



Kio

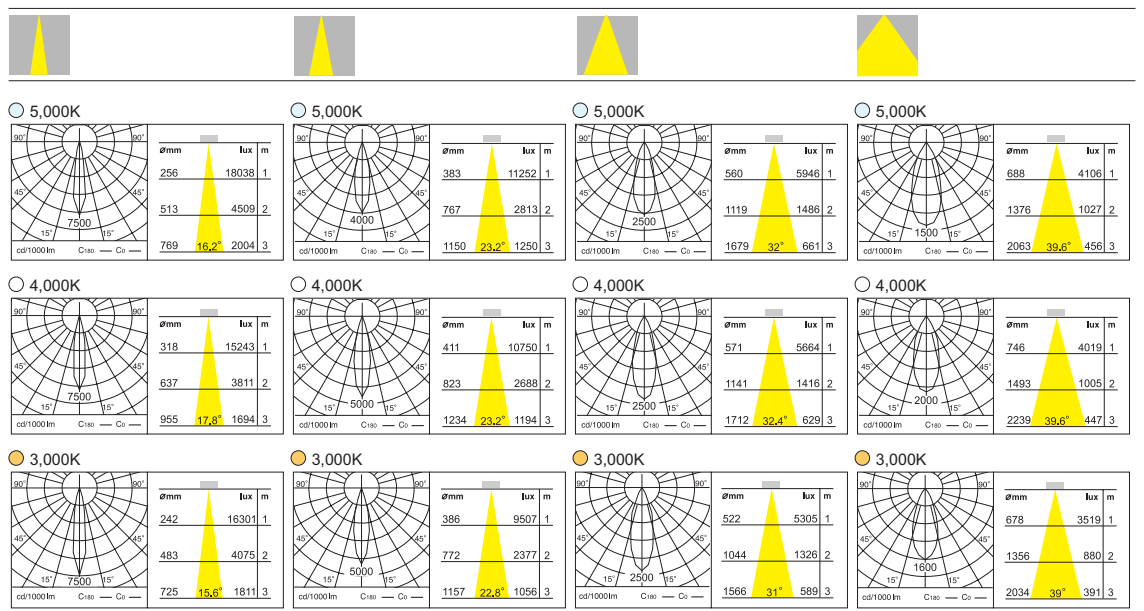
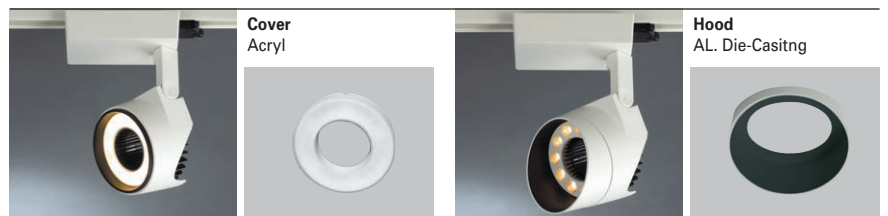
Track Accent Light



Product no.

DDC-65120 POWER LED 27W

ACCESSORY



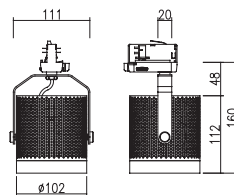
DIMPLE LED ACCENT LIGHT
DDC-65220 SERIES



Dimple LED ENGINE

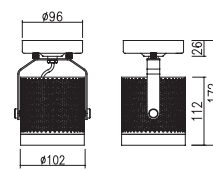


Track Accent Light



DDC-65220 LED MODULE (AC type) 32W

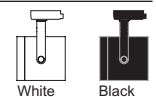
Surface Mounted Accent Light



DDC-65220-02 LED MODULE (AC type) 32W

Product no.

TYPE OF LED : LED ENGINE 

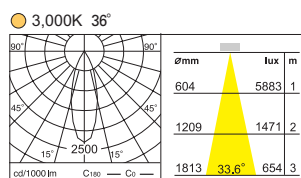


LED HOUSING	Steel, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 90^\circ$)
MOUNTING RING	AL. Extrude, Electrostatic Powder Coating (Black only)
BEAM ANGLE	24°, 36°
INSTALLATION	On 1 circuit track (Option : On 3 circuit track) Surface Mounted Type

TYPE OF LED	LED MODULE (AC type)
INPUT VOLTAGE	220-240V AC , 50-60Hz

COLOR TEMPERATURE (K)	INPUT POWER (W)	BEAM ANGLE (°)	LUMINOUS FLUX (lm)	SYSTEM EFFICIENCY (lm/w)	COLOR RENDERING INDEX_CRI
● 3,000K	32W	24°, 36°	2,577 lm	81 lm/W	80

OPERATING TEMPERATURE RANGE	-20 to +35 °C
MAINTENANCE OF LUMEN -L70	25,000 hours at 25 °C
COLOR TEMPERATURE	○ 4,000K ● 3,000K



MULTIPLO LED MULTI DOWN LIGHT
Recessed Down Light / Accent Light



Multiplo

RECESSED MULTI DOWN LIGHT

Multiplo-M Trim_Medium					
	MULTIPLO-M DD-37000.01 SERIES P.114	MULTIPLO-M DD-37000.02 SERIES P.118	MULTIPLO-M DD-37000.04 SERIES P.122	MULTIPLO-M DD-37000.06 SERIES P.124	MULTIPLO-M DD-37000.08 SERIES P.126
					
	MULTIPLO-M DD-37000.09 SERIES P.128	MULTIPLO-M DD-37000.10 SERIES P.130			
Multiplo-S Trim_Small					
	MULTIPLO-S DD-30013.04 SERIES P.134	MULTIPLO-S DD-37100.05 SERIES P.136	MULTIPLO-S DD-37110.06 SERIES P.138	MULTIPLO-S DD-37100.07 SERIES P.140	
					
	MULTIPLO-S DD-37100.08 SERIES P.142	MULTIPLO-S DD-37100.09 SERIES P.144			
Multiplo-L Trim_Large					
	MULTIPLO-L DD-37200.01 SERIES P.148	MULTIPLO-L DD-37200.03 SERIES P.150	MULTIPLO-L DD-37200.04 SERIES P.154	MULTIPLO-L DD-37200.05 SERIES P.156	MULTIPLO-L DD-37200.06 SERIES P.158
Multiplo-T Trimless					
	MULTIPLO-T DD-12200.01 P.160	MULTIPLO-T DD-12200.02 SERIES P.161			



Multiplo-M

RECESSED MULTI DOWN LIGHT



MULTIPLO-M
DD-37000.01 SERIES
[P.114](#)



MULTIPLO-M
DD-37000.02 SERIES
[P.118](#)



MULTIPLO-M
DD-37000.04 SERIES
[P.122](#)



MULTIPLO-M
DD-37000.06 SERIES
[P.124](#)



MULTIPLO-M
DD-37000.08 SERIES
[P.126](#)



MULTIPLO-M
DD-37000.09 SERIES
[P.128](#)



MULTIPLO-M
DD-37000.10 SERIES
[P.130](#)

MultiplO-M

DD-37000.01 series



Trimless

Recessed Down Light / Accent Light

TYPE OF LED : POWER LED 



White

Gray

Black

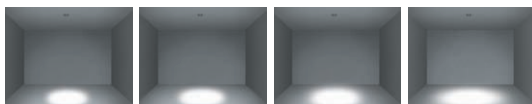
TRIM	AL. Die-Casting, Electrostatic Powder Coating
ADJUSTABLE RING & HEAT SINK	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt \angle 25°)
MOUNTING RING	AL. Die-Casting, Electrostatic Powder Coating
ACCESSORY	Beam angle LENS
BEAM ANGLE	15°, 20°, 30°, 40°

TYPE OF LED	Power LED (7 LED)
INPUT VOLTAGE	220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
5,000K	9W	7W	104 lm/w	921 lm	20V DC	80	350mA DC
4,000K	9W	7W	86 lm/w	761 lm	20V DC	80	350mA DC
3,000K	9W	7W	80 lm/w	709 lm	20V DC	80	350mA DC
5,000K	17W	15W	91 lm/w	1,579 lm	21V DC	80	700mA DC
4,000K	18W	15W	72 lm/w	1,259 lm	21V DC	80	700mA DC
3,000K	17W	15W	64 lm/w	1,100 lm	21V DC	80	700mA DC

ACCESSORY

Beam angle LENS

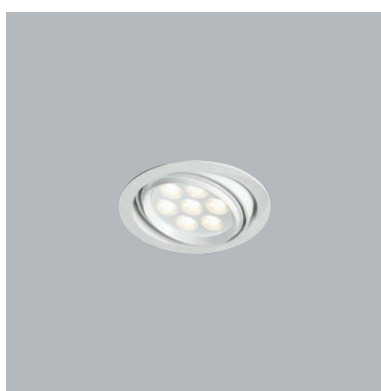


OPERATING TEMPERATURE RANGE	-20 to +40 °c
MAINTENANCE OF LUMEN -L70	50,000 hours at 25 °c
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	5,000K 4,000K 3,000K

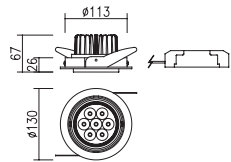
PHOTOMETRIC DATA



>>> page 116-117



DD-37000.01 POWER LED 9W x 1, 18W x 1



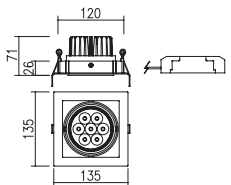
0.6 kg



∅ 120mm (4 7/16")



DD-37010.01 POWER LED 9W x 1, 18W x 1



1.0 kg



125 x 125mm (5" x 5")

OPTION (Trimless Multi Down Light)

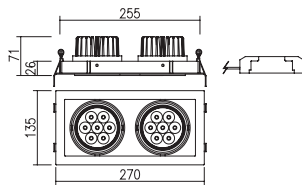


NEW

DD-37010.01-02 POWER LED 9W x 1, 18W x 1



DD-37020.01 POWER LED 9W x 2, 18W x 2



1.6 kg



260 x 125mm (10 1/5" x 5")

OPTION (Trimless Multi Down Light)



NEW

DD-37020.01-02 POWER LED 9W x 2, 18W x 2



Multiplo-M

DD-37000.01 series / DD-37000.04 series



DD-37000.01 series

POWER LED	9W
INPUT POWER	9W (nominal)
OUTPUT POWER	7W (nominal)
SYSTEM EFFICIENCY (lm/W)	104 lm/W (5,000K) 86 lm/W (4,000K) 80 lm/W (3,000K)
LUMINOUS FLUX (lm)	921 lm (5,000K) 761 lm (4,000K) 709 lm (3,000K)
OUTPUT VOLTAGE	20V DC (nominal)
OUTPUT CURRENT	350mA DC (constant current)



DD-37000.01 series

POWER LED	18W
INPUT POWER	18W (nominal)
OUTPUT POWER	15W (nominal)
SYSTEM EFFICIENCY (lm/W)	91 lm/W (5,000K) 72 lm/W (4,000K) 64 lm/W (3,000K)
LUMINOUS FLUX (lm)	1,579 lm (5,000K) 1,259 lm (4,000K) 1,100 lm (3,000K)
OUTPUT VOLTAGE	21V DC (nominal)
OUTPUT CURRENT	700mA DC (constant current)



DD-37000.04 series

OUTPUT VOLTAGE	21V DC (nominal)
OUTPUT CURRENT	700mA DC (constant current)




Multiplo-M

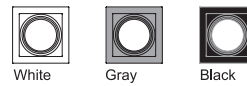
DD-37000.02 Series



Trimless

Recessed Down Light / Accent Light

TYPE OF LED : COB 



TRIM	AL. Die-Casting, Electrostatic Powder Coating
ADJUSTABLE RING	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 20^\circ$)
REFLECTOR	AL. Anodized Specular Silver Square
MOUNTING RING	AL. Die-Casting, Electrostatic Powder Coating
HEAT SINK	AL. Die-Casting, Electrostatic Powder Coating
OPTION	Wireless Control (Bluetooth Module) 

TYPE OF LED COB
INPUT VOLTAGE 220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

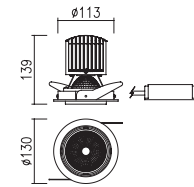
MODULE	COLOR	INPUT	OUTPUT	SYSTEM	LUMINOUS	OUTPUT	COLOR	OUTPUT
LUMINOUS	TEMPERATURE	POWER	POWER	EFFICIENCY	FLUX	VOLTAGE	RENDERING	CURRENT
FLUX	(K)	(W)	(W)	(lm/w)	(lm)	(nominal)	INDEX_CRI	(mA)
DD-37000.02								
2,000lm	○ 4,000K	20W	17W	118 lm/w	2,352 lm	34V DC	80	500mA DC
2,000lm	● 3,000K	20W	16W	116 lm/w	2,284 lm	34V DC	80	500mA DC
DD-37001.02								
3,000lm	○ 4,000K	28W	24W	113 lm/w	3,167 lm	35V DC	80	700mA DC
3,000lm	● 3,000K	28W	24W	110 lm/w	3,056 lm	35V DC	80	700mA DC

OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25 °C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	○ 4,000K ● 3,000K

PHOTOMETRIC DATA  >>> page 120



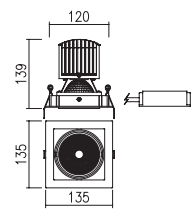
DD-37000.02 COB 20W x 1
DD-37001.02 COB 28W x 1



0.6 kg \varnothing 120mm (4 7/16")



DD-37010.02 COB 20W x 1
DD-37011.02 COB 28W x 1



1.0 kg 125 x 125mm (5" x 5")

OPTION (Trimless Multi Down Light)

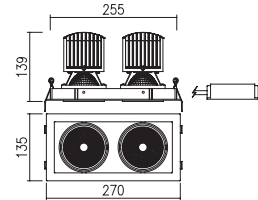


NEW

DD-37010.02-02 COB 20W x 1
DD-37011.02-02 COB 28W x 1



DD-37020.02 COB 20W x 2
DD-37021.02 COB 28W x 2



1.6 kg 260 x 125mm (10 1/5" x 5")

OPTION (Trimless Multi Down Light)



NEW

DD-37020.02-02 COB 20W x 2
DD-37021.02-02 COB 28W x 2

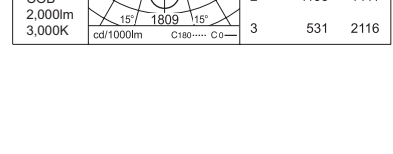
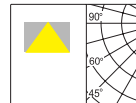
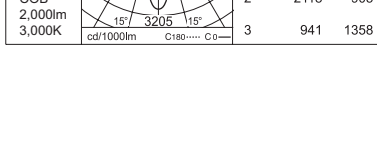
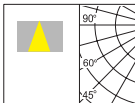
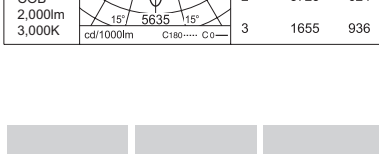
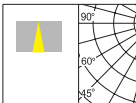
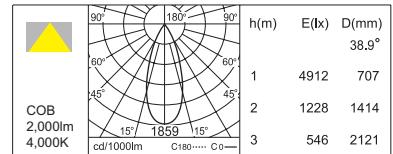
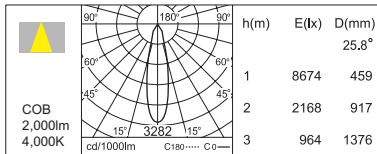
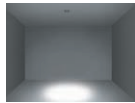
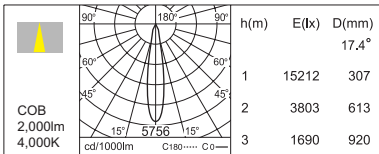


Multiplo-M

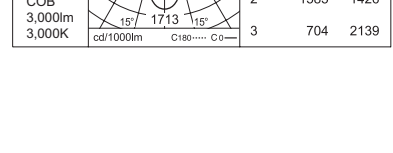
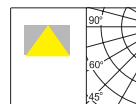
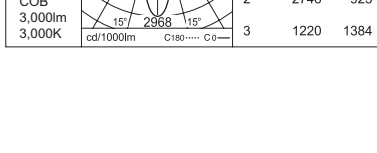
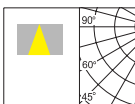
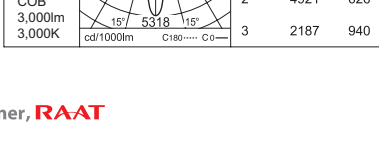
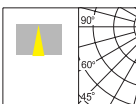
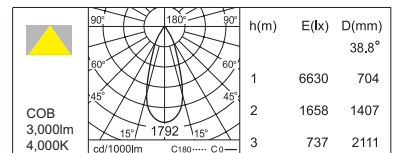
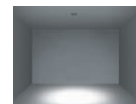
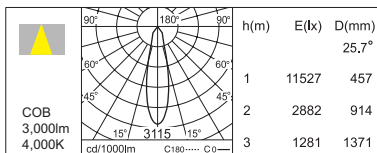
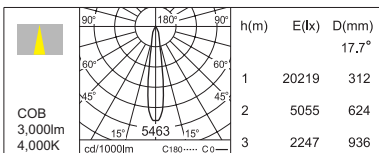
DD-37000.02 series / DD-37000.06 series / DD-37000.09 series



REFLECTOR TYPE COB 2,000 lm / 500 mA
Product no. DD-37000.02 series / DD-37000.06 series / DD-37000.09 series



REFLECTOR TYPE COB 3,000 lm / 700 mA
Product no. DD-37001.02 series / DD-37001.06 series / DD-37001.09 series

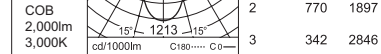
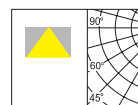
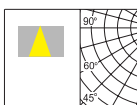
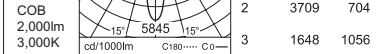
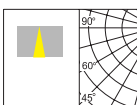
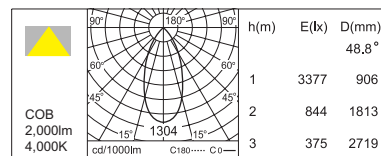
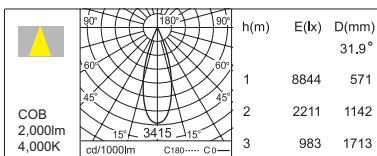
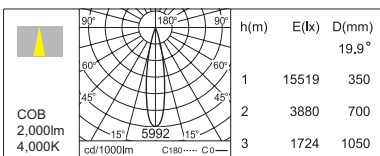


 SMART LENS



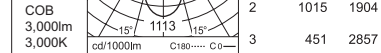
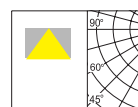
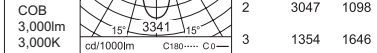
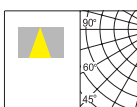
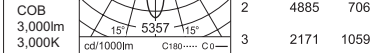
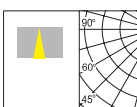
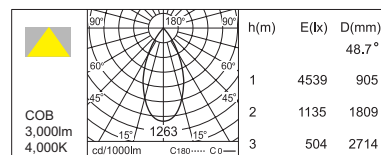
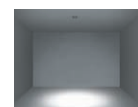
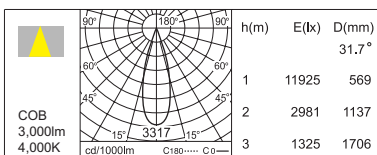
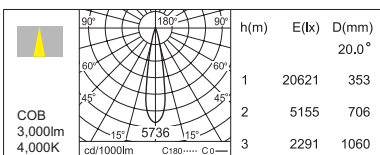
LENS TYPE

COB 2,000 lm / 500 mA
Product no. DD-37000.06 series



LENS TYPE

COB 3,000 lm / 700 mA
Product no. DD-37001.06 series



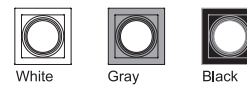
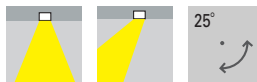
MultiplO-M

DD-37000.04 series



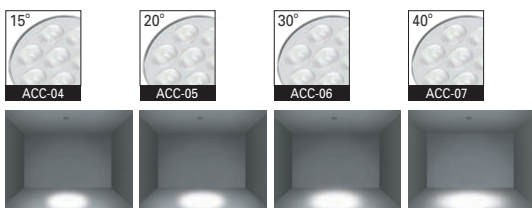
Recessed Down Light / Accent Light

TYPE OF LED : POWER LED 



ACCESSORY

Beam angle LENS



TRIM AL. Die-Casting, Electrostatic Powder Coating
 ADJUSTABLE RING & HEAT SINK AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt \angle 25°)
 MOUNTING RING AL. Die-Casting, Electrostatic Powder Coating
 ACCESSORY Beam angle LENS
 BEAM ANGLE 15°, 20°, 30°, 40°

TYPE OF LED Power LED (7 LED)
 INPUT VOLTAGE 220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
○ 5,000K	17W	15W	91 lm/w	1,579 lm	21V DC	80	700mA DC
○ 4,000K	18W	15W	72 lm/w	1,259 lm	21V DC	80	700mA DC
● 3,000K	17W	15W	64 lm/w	1,100 lm	21V DC	80	700mA DC

OPERATING TEMPERATURE RANGE -20 to +40℃
 MAINTENANCE OF LUMEN -L70 50,000 hours at 25℃
 COLOR RENDERING INDEX 80, 90
 COLOR TEMPERATURE ○ 5,000K ○ 4,000K ● 3,000K

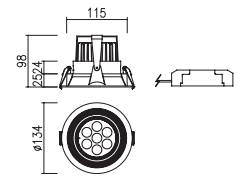
PHOTOMETRIC DATA




>>> page 116-117



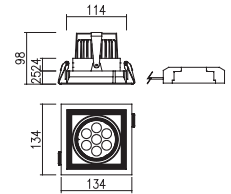
DD-37000.04 POWER LED 18W x 1





 0.7 kg  ϕ 120mm (4 7/16")



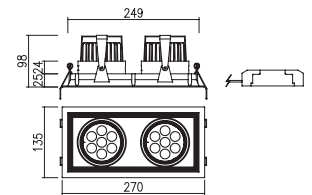
DD-37010.04 POWER LED 18W x 1



 1.0 kg  125 x 125mm (5" x 5")



DD-37020.04 POWER LED 18W x 2



 1.2 kg  260 x 125mm (10 1/5" x 5")



Multiplo-M

DD-37000.06 series



Reflector




LENS

Recessed Down Light / Accent Light

TYPE OF LED : COB 




TRIM	AL. Die-Casting, Electrostatic Powder Coating
ADJUSTABLE RING	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 20^\circ$)
MOUNTING RING	AL. Die-Casting, Electrostatic Powder Coating
HEAT SINK	AL. Die-Casting or AL. Extrude, Electro Depositon Coating
REFLECTOR	AL. Anodized Specular Silver or LENS
ADJUSTABLE BRACKET	Steel
OPTION	Wireless Control (Bluetooth Module) 

TYPE OF LED COB
INPUT VOLTAGE 220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

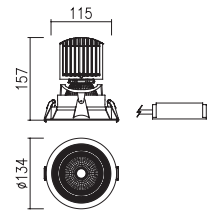
MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
DD-37000.06								
2,000lm	○ 4,000K	20W	17W	118 lm/w	2,352 lm	34V DC	80	500mA DC
2,000lm	● 3,000K	20W	16W	116 lm/w	2,284 lm	34V DC	80	500mA DC
DD-37001.06								
3,000lm	○ 4,000K	28W	24W	113 lm/w	3,167 lm	35V DC	80	700mA DC
3,000lm	● 3,000K	28W	24W	110 lm/w	3,056 lm	35V DC	80	700mA DC

OPERATING TEMPERATURE RANGE -20 to +40 °C
 MAINTENANCE OF LUMEN -L80 50,000 hours at 25 °C
 COLOR RENDERING INDEX 80, 90
 COLOR TEMPERATURE ○ 4,000K ● 3,000K

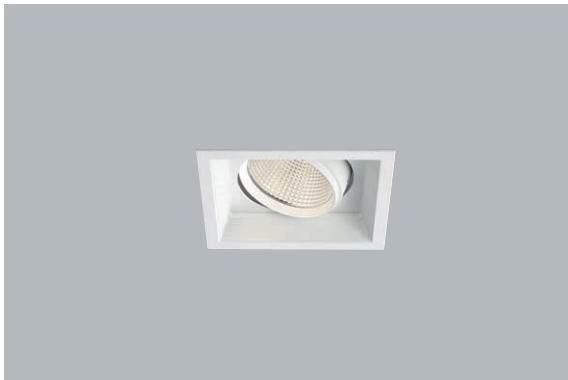
PHOTOMETRIC DATA  >>> page 120~121



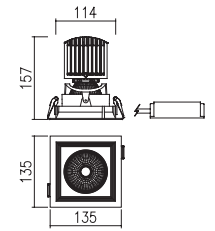
DD-37000.06 COB 20W x 1
DD-37001.06 COB 28W x 1





 
0.6 kg ϕ 120mm (4 7/16")



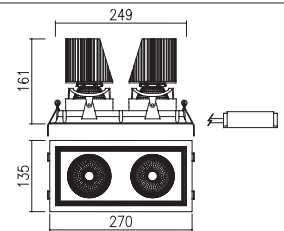
DD-37010.06 COB 20W x 1
DD-37011.06 COB 28W x 1





 
0.6 kg 125 x 125mm (5" x 5")



DD-37020.06 COB 20W x 2
DD-37021.06 COB 28W x 2



 
1.2 kg 260 x 125mm (10 1/5" x 5")



Multiplo-M

DD-37000.08 series



Recessed Down Light / Accent Light

TYPE OF LED : COB

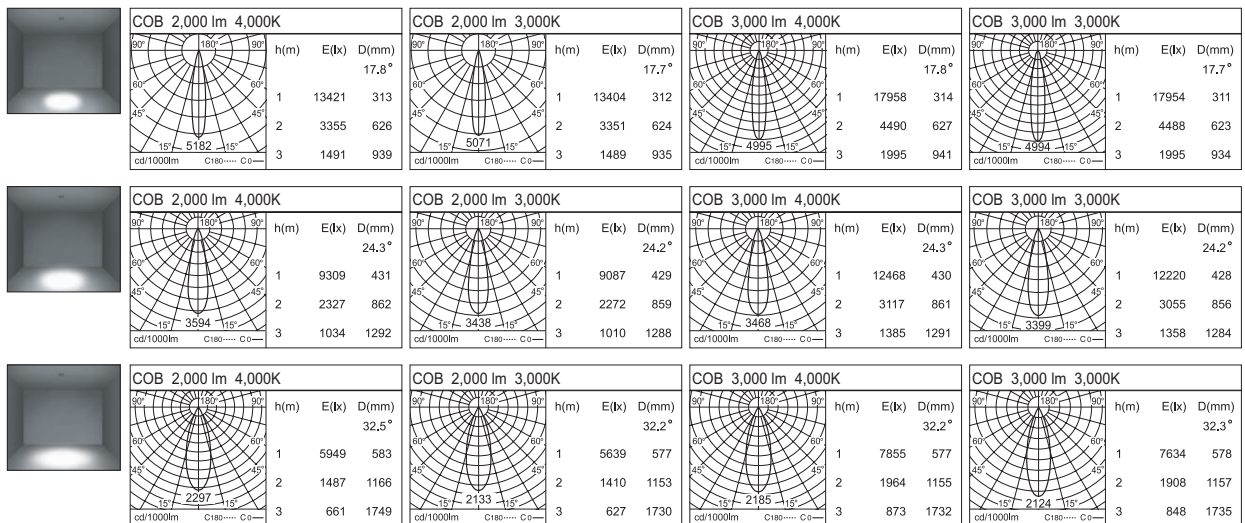


TRIM	AL. Die-Casting, Electrostatic Powder Coating
ADJUSTABLE RING	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 25^\circ$)
MOUNTING RING	AL. Extrude, Electrostatic Powder Coating
HEAT SINK	AL. Die-Casting, Electro Depositor Coating
REFLECTOR	AL. Anodized Specular Silver Square with Embossing
OPTION	Wireless Control (Bluetooth Module)

TYPE OF LED	COB
INPUT VOLTAGE	220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

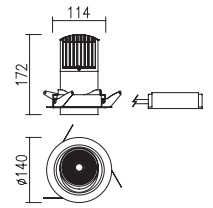
MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX CRI	OUTPUT CURRENT (mA)
DD-37000.08								
2,000lm	○ 4,000K	20W	17W	89 lm/w	1,777 lm	34V DC	80	500mA DC
2,000lm	● 3,000K	20W	16W	86 lm/w	1,685 lm	34V DC	80	500mA DC
DD-37001.08								
3,000lm	○ 4,000K	28W	24W	84 lm/w	2,334 lm	35V DC	80	700mA DC
3,000lm	● 3,000K	28W	24W	82 lm/w	2,279 lm	35V DC	80	700mA DC


OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25 °C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	○ 4,000K ● 3,000K





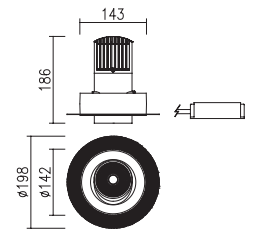
DD-37000.08 COB 20W x 1
DD-37001.08 COB 28W x 1



 
0.3 kg \varnothing 130mm (5 1/10")



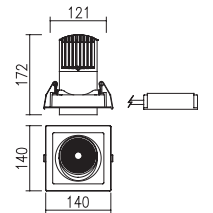
DD-37000.08-02 COB 20W x 1
DD-37001.08-02 COB 28W x 1



Trimless Down Light
 
0.4 kg \varnothing 145mm (5 7/10")



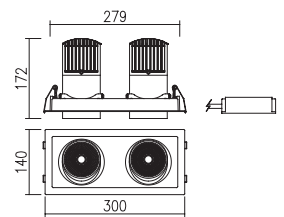
DD-37010.08 COB 20W x 1
DD-37011.08 COB 28W x 1



 
0.4 kg 130 x 130mm (5 1/10" x 5 1/10")



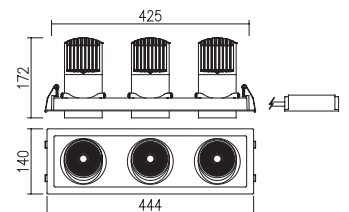
DD-37020.08 COB 20W x 2
DD-37021.08 COB 28W x 2



 
0.7 kg 285 x 130mm (11 1/5" x 5 1/10")



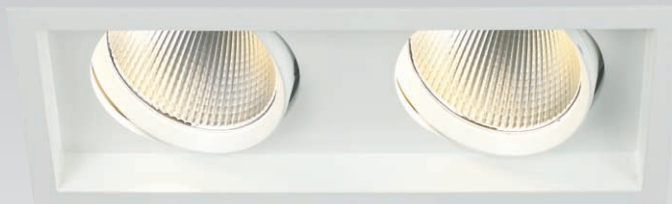
DD-37030.08 COB 20W x 3
DD-37031.08 COB 28W x 3




 
1.0 kg 430 x 130mm (16 9/10" x 5 1/10")

Multiplo-M

DD-37000.09 series



Recessed Down Light / Accent Light

TYPE OF LED : COB 



TRIM	AL. Die-Casting, Electrostatic Powder Coating
ADJUSTABLE RING	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 20^\circ$)
MOUNTING RING	Aluminium, Electrostatic Powder Coating
HEAT SINK	AL. Die-Casting or AL. Extrude, Electro Depositon Coating
REFLECTOR	AL. Anodized Specular Silver Square with Embossing
ADJUSTABLE BRACKET	Steel
OPTION	Wireless Control (Bluetooth Module) 

TYPE OF LED COB
INPUT VOLTAGE 220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

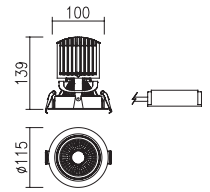
MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
DD-37000.09								
2,000lm	○ 4,000K	20W	17W	118 lm/w	2,352 lm	34V DC	80	500mA DC
2,000lm	● 3,000K	20W	16W	116 lm/w	2,284 lm	34V DC	80	500mA DC
DD-37001.09								
3,000lm	○ 4,000K	28W	24W	113 lm/w	3,167 lm	35V DC	80	700mA DC
3,000lm	● 3,000K	28W	24W	110 lm/w	3,056 lm	35V DC	80	700mA DC

OPERATING TEMPERATURE RANGE -20 to +40 °C
 MAINTENANCE OF LUMEN -L80 50,000 hours at 25 °C
 COLOR RENDERING INDEX 80, 90
 COLOR TEMPERATURE ○ 4,000K ● 3,000K

PHOTOMETRIC DATA  >>> page 120



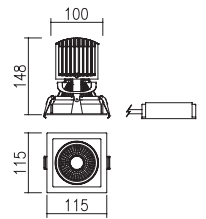
DD-37000.09 COB 20W x 1
DD-37001.09 COB 28W x 1





 
0.6 kg \varnothing 105 mm (4 1/10")



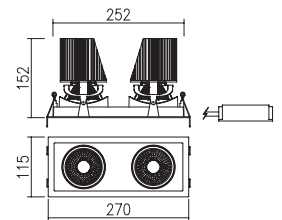
DD-37010.09 COB 20W x 1
DD-37011.09 COB 28W x 1



 
0.6 kg 105 x 105 mm (8" x 8")



DD-37020.09 COB 20W x 2
DD-37021.09 COB 28W x 2

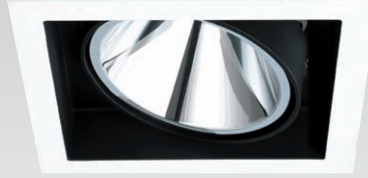


 
1.2 kg 258 x 105 mm (10 1/5" x 10 1/5")



Multiplo-M

DD-37000.10 series **NEW**



Recessed Down Light / Accent Light

TYPE OF LED : COB



White

Gray

Black

TRIM	AL. Die-Casting, Electrostatic Powder Coating
ADJUSTABLE RING	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 20^\circ$)
MOUNTING RING	AL. Extrude, Electrostatic Powder Coating
HEAT SINK	AL. Die-Casting, Electrostatic Powder Coating
OPTION	Wireless Control (Bluetooth Module)

TYPE OF LED	COB
INPUT VOLTAGE	220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
2,000lm	○ 4,000K	25W	22W	73 lm/w	1,829 lm	36V DC	80	600mA DC
2,000lm	● 3,000K	25W	21W	67 lm/w	1,698 lm	35V DC	80	600mA DC

OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25 °C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	○ 4,000K ● 3,000K

REFLECTOR

Non Glare

Non Glare

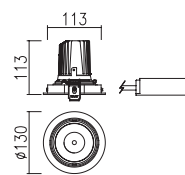


White Chrome

Dark Chrome

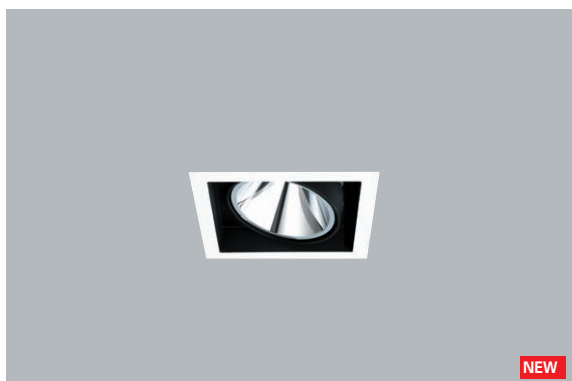


DD-37000.10 COB 25W x 1

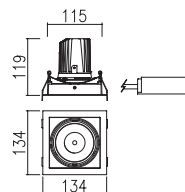


0.6 kg \varnothing 120mm (4 7/16")

NEW



DD-37010.10 COB 25W x 1

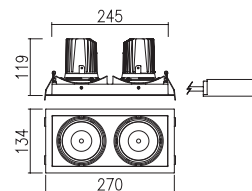


0.6 kg 125 x 125mm (5" x 5")

NEW

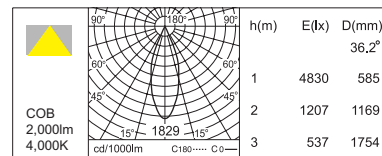
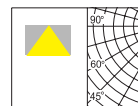
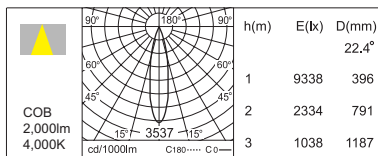
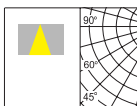
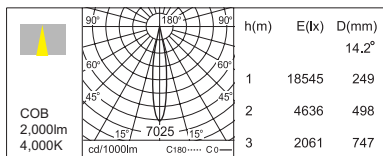
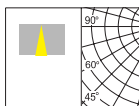
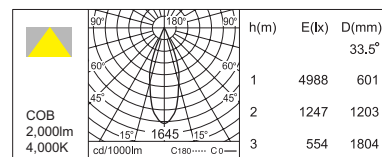
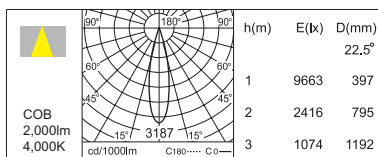
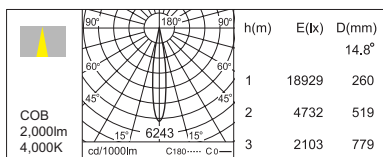


DD-37020.10 COB 25W x 2



1.2 kg 250 x 125mm (9 4/5" x 5")

NEW





Multiplo-S

RECESSED MULTI DOWN LIGHT



MULTIPLO S
DD-30013.04 SERIES
[P.134](#)



MULTIPLO S
DD-37100.05 SERIES
[P.136](#)



MULTIPLO S
DD-37110.06 SERIES
[P.138](#)



MULTIPLO S
DD-37100.07 SERIES
[P.140](#)



MULTIPLO S
DD-37100.08 SERIES
[P.142](#)



MULTIPLO S
DD-37100.09 SERIES
[P.144](#)

Multiplo-S

DD-30013.04 Series



Trimless

Recessed Down Light / Accent Light

TYPE OF LED : LED LAMP

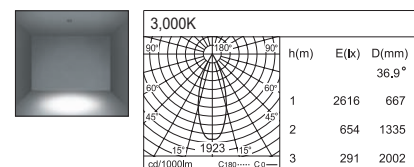
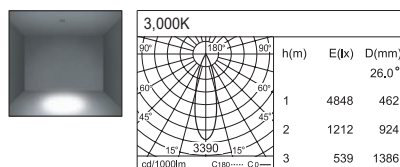


TRIM	AL. Die-Casting, Electrostatic Powder Coating
ADJUSTABLE RING	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 25^\circ$)
MOUNTING RING	AL. Die-Casting, Electro Deposition Coating
HOUSING	Steel
OPTION	Wireless Control (Bluetooth Module)

TYPE OF LED	LED LAMP (CN50-COB)
BEAM ANGLE	24°, 40°
INPUT VOLTAGE	220-240V AC, 50-60Hz

MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
1,400lm	● 3,000K	15W	13W	94 lm/w	1,387 lm	37V DC	80	350mA DC

LED LIFETIME	30,000 hours
COLOR RENDERING INDEX	80
COLOR TEMPERATURE	○ 4,000K ● 3,000K



	<p>DD-30013.04 LED LAMP 15W x 1</p>  <p>0.4 kg 96 x 96mm (3 7/8" x 3 7/8")</p>	<p>OPTION (Trimless Multi Down Light)</p>  <p>DD-30013.04-02 LED LAMP 15W x 1</p>
	<p>DD-30023.04 LED LAMP 15W x 2</p>  <p>0.7 kg 179 x 96mm (7" x 3 7/8")</p>	<p>OPTION (Trimless Multi Down Light)</p>  <p>DD-30023.04-02 LED LAMP 15W x 2</p>
	<p>DD-30033.04 LED LAMP 15W x 3</p>  <p>1.0 kg 264 x 96mm (10 3/8" x 3 7/8")</p>	<p>OPTION (Trimless Multi Down Light)</p>  <p>DD-30033.04-02 LED LAMP 15W x 3</p>




Multiplo-S


DD-37100.05 Series




Recessed Down Light / Accent Light



TYPE OF LED : COB 

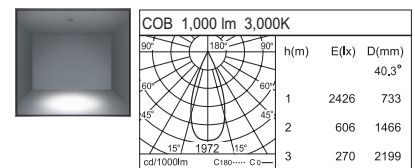
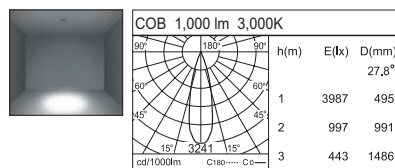
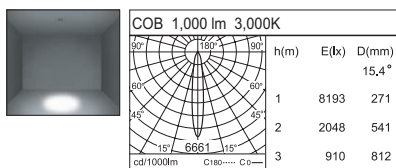


TRIM	AL. Die-Casting, Electrostatic Powder Coating
ADJUSTABLE RING	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 20^\circ$)
REFLECTOR	PC (Vacuum Coating)
HEAT SINK	AL. Die-Casting, Electro Deposition Coating
OPTION	Wireless Control (Bluetooth Module) 

Type of LED	COB
INPUT VOLTAGE	220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

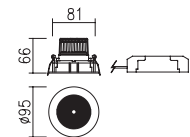
MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
1,000lm	 3,000K	10W	9W	104 lm/w	1,037 lm	34V DC	80	250mA DC

OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25 °C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	 4,000K  3,000K





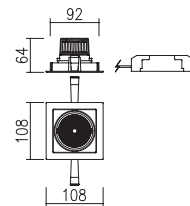
DD-37100.05 COB 10W x 1



0.3 kg \varnothing 85 mm (3 3/10")



DD-37110.05 COB 10W x 1



0.4 kg 100 x 100mm (3 9/10" x 3 9/10")

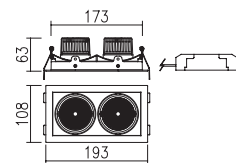


OPTION (Trimless Multi Down Light)

DD-37110.05-02 COB 10W x 1



DD-37120.05 COB 10W x 2



0.7 kg 180 x 100mm (7 1/10" x 3 9/10")

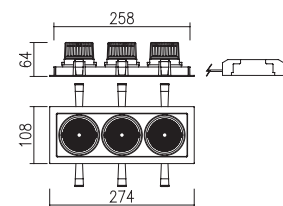


OPTION (Trimless Multi Down Light)

DD-37120.05-02 COB 10W x 2



DD-37130.05 COB 10W x 3



1.0 kg 265 x 100mm (10 2/5" x 3 9/10")



OPTION (Trimless Multi Down Light)

DD-37130.05-02 COB 10W x 3

ACCESSORY

Acrylic Plate

: Frosted Tempered, Reduce Glare




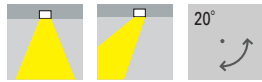
Multiplo-S


DD-37110.06 Series




Recessed Down Light / Accent Light



TYPE OF LED : COB 

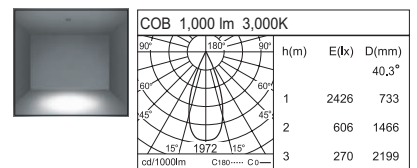
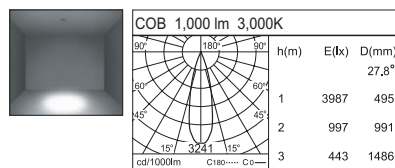
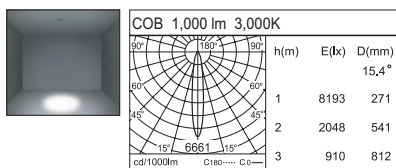


TRIM	AL. Die-Casting, Electrostatic Powder Coating
ADJUSTABLE RING	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 20^\circ$)
REFLECTOR	PC (Vacuum Coating)
HEAT SINK	AL. Die-Casting, Electro Deposition Coating
OPTION	Wireless Control (Bluetooth Module) 

TYPE OF LED	COB
INPUT VOLTAGE	220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

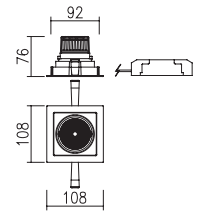
MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
1,000lm	 3,000K	10W	9W	104 lm/w	1,037 lm	34V DC	80	250mA DC

OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25 °C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	 4,000K  3,000K





DD-37110.06 COB 10W x 1



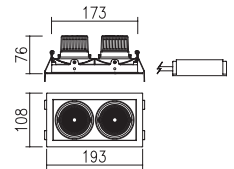
0.4 kg



100 x 100mm (3 9/10" x 3 9/10")



DD-37120.06 COB 10W x 2



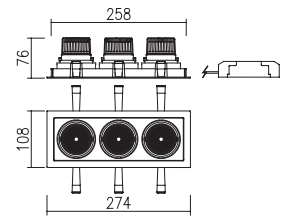
0.7 kg



180 x 100mm (7 1/10" x 3 9/10")



DD-37130.06 COB 10W x 3



1.0 kg



265 x 100mm (10 2/5" x 3 9/10")

ACCESSORY

Acrylic Plate

: Frosted Tempered, Reduce Glare




Multiplo-S


DD-37100.07 Series



Recessed Down Light / Accent Light

TYPE OF LED : COB 

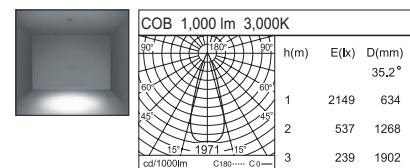
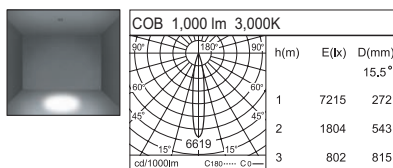


TRIM	AL. Die-Casting, Electrostatic Powder Coating
ADJUSTABLE RING	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 25^\circ$)
REFLECTOR	PC (Vacuum Coating)
HEAT SINK	AL. Die-Casting, Electrostatic Powder Coating
OPTION	Wireless Control (Bluetooth Module) 

TYPE OF LED	COB
INPUT VOLTAGE	220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

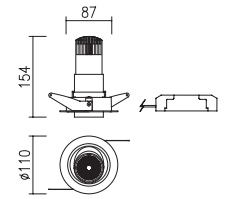
MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
1,000 lm	3,000K	10W	8W	84 m/w	842 lm	34V DC	80	250mA DC

OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25 °C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	○ 4,000K ● 3,000K





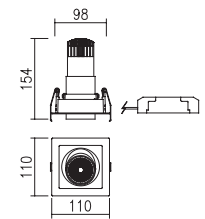
DD-37100.07 COB 10W x 1



 
0.3 kg \varnothing 102 mm (4")



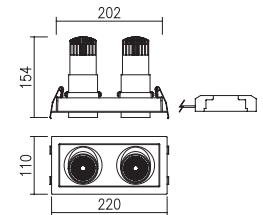
DD-37110.07 COB 10W x 1





 
0.4 kg 100 x 100mm (3 9/16" x 3 9/16")



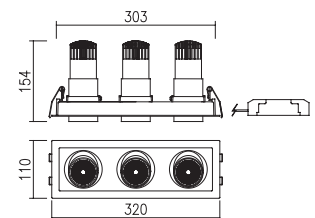
DD-37120.07 COB 10W x 2



 
0.7 kg 208 x 100mm (8 1/5" x 3 9/16")



DD-37130.07 COB 10W x 3



 
1.0 kg 308 x 100mm (12 1/16" x 3 9/16")


Multiplo-S

DD-37100.08 Series




Trimless

Recessed Down Light / Accent Light

TYPE OF LED : COB 

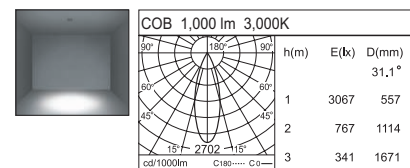
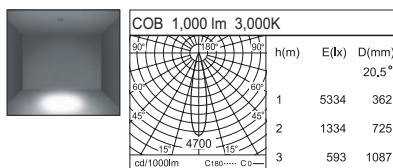


TRIM	AL. Die-Casting, Electrostatic Powder Coating
ADJUSTABLE RING	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 25^\circ$)
BEAM ANGLE	LENS (25°, 38°)
HEAT SINK	AL. Die-Casting, Electrostatic Powder Coating
OPTION	Wireless Control (Bluetooth Module) 

TYPE OF LED	COB
INPUT VOLTAGE	220-240V AC, 50-60Hz (option : 100-240V AC, 50-60Hz)

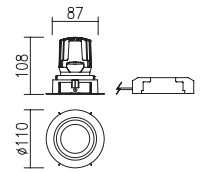
MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
1,000 lm	3,000K	10W	8W	100 lm/w	1,021 lm	34V DC	80	250mA DC

OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25 °C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	○ 4,000K ● 3,000K





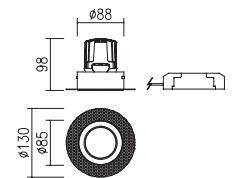
DD-37100.08 COB 10W x 1, 15W x 1



 0.3 kg  \varnothing 102 mm (4")



DD-37100.08-02 COB 10W
COB 15W

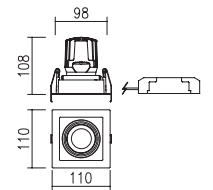


 0.4 kg  \varnothing 92 mm (3 3/5")

Trimless Down Light



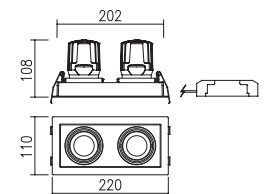
DD-37110.08 COB 10W x 1, 15W x 1



 0.4 kg  100 x 100mm (3 9/16" x 3 9/16")



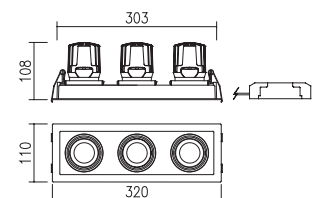
DD-37120.08 COB 10W x 2, 15W x 2



 0.7 kg  208 x 100mm (8 1/5" x 3 9/16")



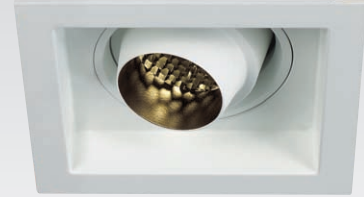
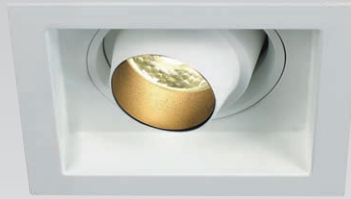
DD-37130.08 COB 10W x 3, 15W x 3




 1.0 kg  308 x 100mm (12 1/10" x 3 9/16")

Multiplo-S


DD-37100.09 Series



Recessed Down Light / Accent Light

TYPE OF LED : COB 

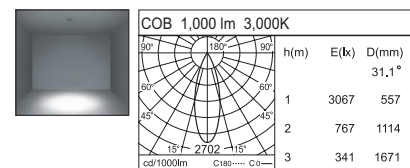
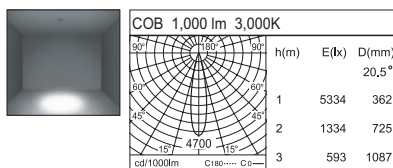


TRIM	AL. Die-Casting, Electrostatic Powder Coating
ADJUSTABLE RING	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 25^\circ$)
BEAM ANGLE	LENS (25° , 38°)
HEAT SINK	AL. Die-Casting, Electro Deposition Coating
OPTION	Wireless Control (Bluetooth Module) 

TYPE OF LED	COB
INPUT VOLTAGE	220-240V AC, 50-60Hz (option : 100-240V AC, 50-60Hz)

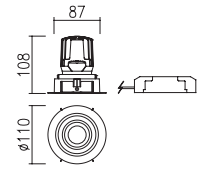
MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/W)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
1,000 lm	3,000K	10W	8W	100 lm/w	1,021 lm	34V DC	80	250mA DC

OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25 °C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	○ 4,000K ● 3,000K





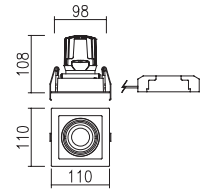
DD-37100.09 COB 10W x 1, 15W x 1



 0.3 kg  \varnothing 102 mm (4")



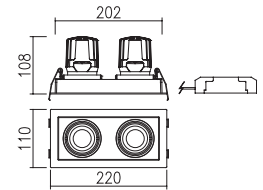
DD-37110.09 COB 10W x 1, 15W x 1



 0.4 kg  100 x 100mm (3 9/10" x 3 9/10")



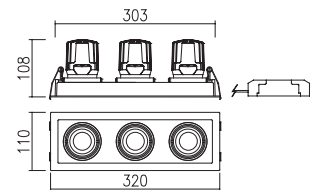
DD-37120.09 COB 10W x 2, 15W x 2



 0.7 kg  208 x 100mm (8 1/5" x 3 9/10")



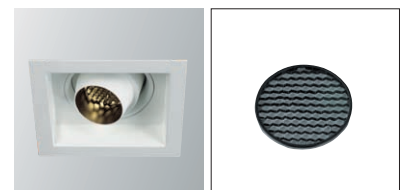
DD-37130.09 COB 10W x 3, 15W x 3



 1.0 kg  308 x 100mm (12 1/10" x 3 9/10")

ACCESSORY

Louver, Honeycomb





Multiplo-L RECESSED MULTI DOWN LIGHT



MULTIPL-O-L
DD-37200.01 SERIES
[P.148](#)



MULTIPL-O-L
DD-37200.03 SERIES
[P.150](#)



MULTIPL-O-L
DD-37200.04 SERIES
[P.154](#)



MULTIPL-O-L
DD-37200.05 SERIES
[P.156](#)



MULTIPL-O-L
DD-37200.06 SERIES
[P.158](#)

Multiplo-T RECESSED TRIMLESS DOWN LIGHT



MULTIPL-O-T
DD-12200.01
[P.160](#)



MULTIPL-O-T
DD-12200.02 SERIES
[P.161](#)

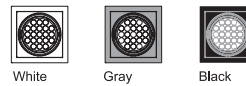
Multiplo-L

DD-37200.01 Series



Recessed Down Light / Accent Light

TYPE OF LED : POWER LED 



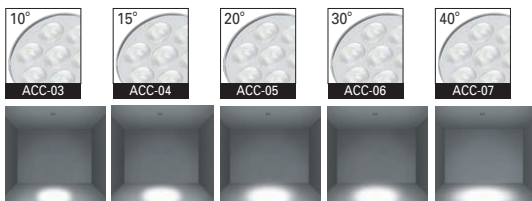
TRIM	AL. Die-Casting, Electrostatic Powder Coating
ADJUSTABLE RING	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 25^\circ$)
MOUNTING RING	AL. Die-Casting, Electrostatic Powder Coating
HEAT SINK	AL. Die-Casting or Forging Press, Electro Deposition Coating
ACCESSORY	Beam angle LENS
BEAM ANGLE	10°, 15°, 20°, 30°, 40°

TYPE OF LED Power LED (21 LED)
INPUT VOLTAGE 220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
○ 5,000K	30W	24W	113 lm/w	3,394 lm	20V DC	80	1,200mA DC
○ 4,000K	30W	24W	105 lm/w	3,163 lm	20V DC	80	1,200mA DC
● 3,000K	30W	24W	81 lm/w	2,443 lm	20V DC	80	1,200mA DC

ACCESSORY

Beam angle LENS



OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L70	50,000 hours at 25 °C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	○ 5,000K ○ 4,000K ● 3,000K

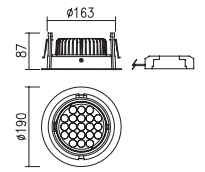
PHOTOMETRIC DATA



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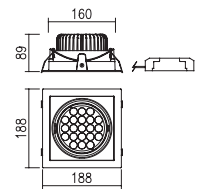
DD-37200.01 POWER LED 30W x 1



 
0.9 kg \varnothing 166 mm (6 1/2")



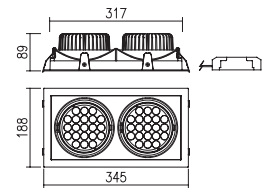
DD-37210.01 POWER LED 30W x 1



 
0.9 kg 170 x 170mm (6 7/10" x 6 7/10")



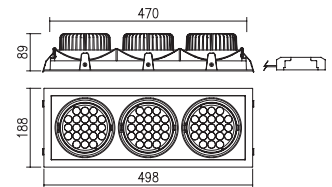
DD-37220.01 POWER LED 30W x 2



 
1.5 kg 325 x 170mm (12 4/5" x 6 7/10")



DD-37230.01 POWER LED 30W x 3




 
2.1 kg 475 x 170mm (18 7/10" x 6 7/10")

Multiplo-L


DD-37200.03 Series



Recessed Down Light / Accent Light

TYPE OF LED : COB 



TRIM	AL. Die-Casting, Electrostatic Powder Coating
ADJUSTABLE RING	AL. Die-Casting, Electrostatic Powder Coating
MOUNTING RING	AL. Die-Casting, Electrostatic Powder Coating
HEAT SINK	AL. Die-Casting or Forging Press, Electro Deposition Coating
REFLECTOR	AL. Anodized Specular Silver Square with Embossing
OPTION	Wireless Control (Bluetooth Module) 

TYPE OF LED	COB
INPUT VOLTAGE	220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

MODULE	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
DD-37200.03								
2,000lm	○ 4,000K	19W	16W	120 lm/w	2,336 lm	33V DC	80	500mA DC
2,000lm	● 3,000K	19W	16W	119 lm/w	2,302 lm	33V DC	80	500mA DC
DD-37201.03								
3,000lm	○ 4,000K	27W	24W	117 lm/w	3,168 lm	34V DC	80	700mA DC
3,000lm	● 3,000K	27W	23W	113 lm/w	3,096 lm	34V DC	80	700mA DC
DD-37202.03								
5,000lm	○ 4,000K	45W	40W	107 lm/w	4,846 lm	35V DC	80	1,150mA DC
5,000lm	● 3,000K	44W	39W	108 lm/w	4,737 lm	34V DC	80	1,150mA DC

OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25 °C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	○ 4,000K ● 3,000K

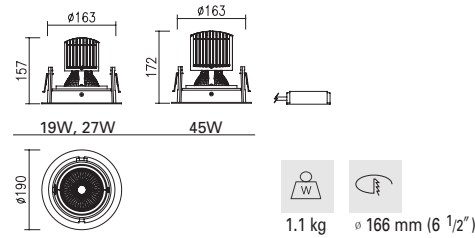
PHOTOMETRIC DATA



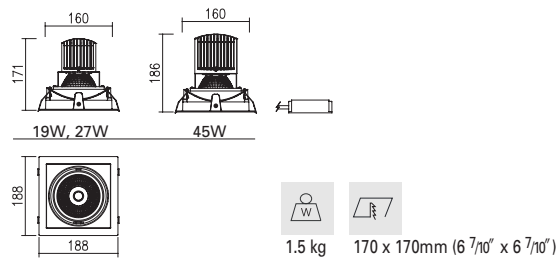
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DD-37200.03 COB 19W x 1
DD-37201.03 COB 27W x 1
DD-37202.03 COB 45W x 1



DD-37210.03 COB 19W x 1
DD-37211.03 COB 27W x 1
DD-37212.03 COB 45W x 1



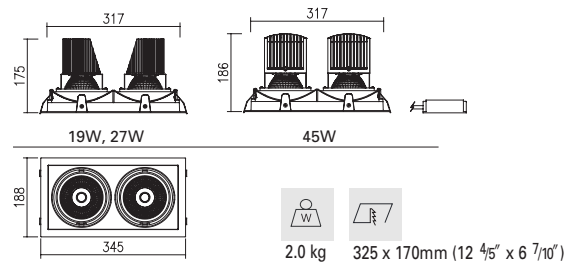
OPTION (Trimless Multi Down Light)



DD-37210.03-02 COB 19W x 1
DD-37211.03-02 COB 27W x 1
DD-37212.03-02 COB 45W x 1



DD-37220.03 COB 19W x 2
DD-37221.03 COB 27W x 2
DD-37222.03 COB 45W x 2



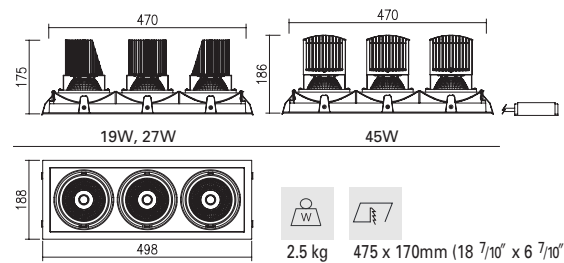
OPTION (Trimless Multi Down Light)



DD-37220.03-02 COB 19W x 2
DD-37221.03-02 COB 27W x 2
DD-37222.03-02 COB 45W x 2



DD-37230.03 COB 19W x 3
DD-37231.03 COB 27W x 3
DD-37232.03 COB 45W x 3



OPTION (Trimless Multi Down Light)



DD-37230.03-02 COB 19W x 3
DD-37231.03-02 COB 27W x 3
DD-37232.03-02 COB 45W x 3

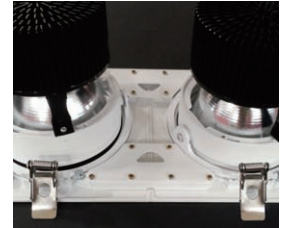
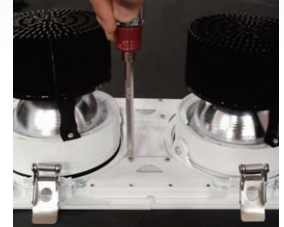
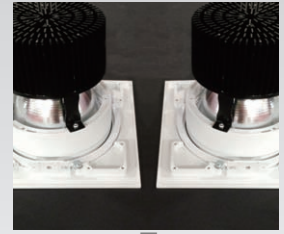
MultiplO-L System Multi Down Light

Using connection bracket, system multi down light comes in a variety of lengths.

사각 1등을 기본으로 연결브라켓을 이용하여 다양한 길이로 연출할 수 있는 시스템 멀티 다운라이트입니다.



DD-37200.04 series

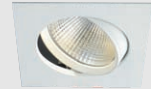
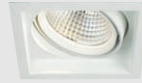


DD-37201.05 series



COB Type

2,000lm / 3,000 lm / 5,000 lm
photometric data



DD-37200.03 series

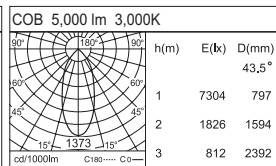
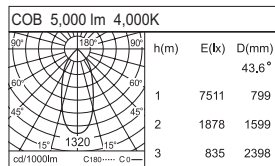
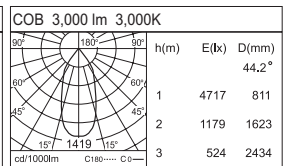
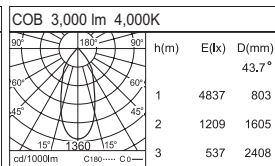
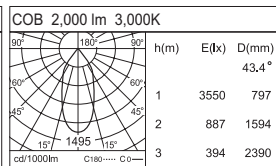
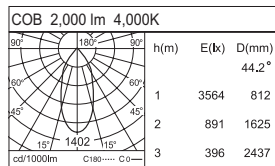
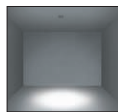
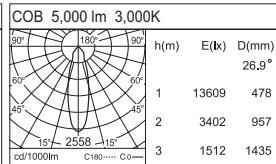
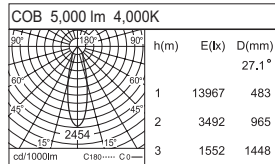
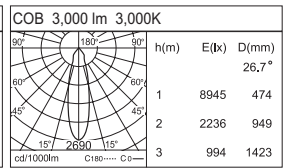
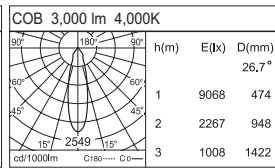
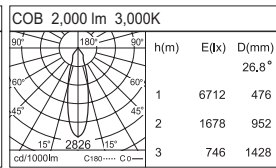
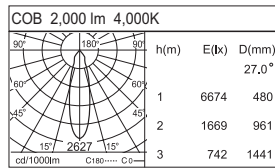
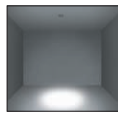
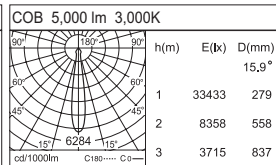
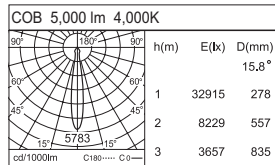
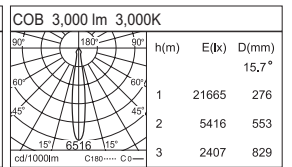
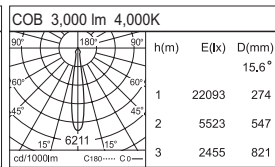
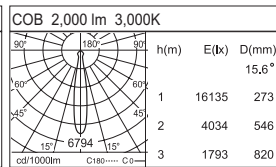
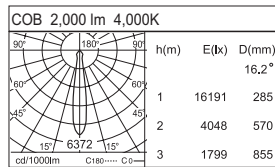
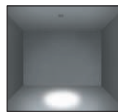
DD-37200.03-2 series

DD-37200.04 series

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Multiplo-L

DD-37200.04 Series



Recessed Down Light / Accent Light

TYPE OF LED : COB



White



Gray



Black

TRIM	AL. Die-Casting, Electrostatic Powder Coating
ADJUSTABLE RING	AL. Die-Casting, Electrostatic Powder Coating
ROTATE RING	PC, Urethane Coating. Adjustable Angle (Rotate $\angle 350^\circ$)
MOUNTING RING	AL. Die-Casting, Electrostatic Powder Coating
HEAT SINK	AL. Die-Casting or Forging Press, Electro Deposition Coating
REFLECTOR	AL. Anodized Specular Silver Square with Embossing
OPTION	Wireless Control (Bluetooth Module)

TYPE OF LED	COB
INPUT VOLTAGE	220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
DD-37200.04								
2,000lm	○ 4,000K	19W	16W	120 lm/w	2,336 lm	33V DC	80	500mA DC
2,000lm	● 3,000K	19W	16W	119 lm/w	2,302 lm	33V DC	80	500mA DC
DD-37201.04								
3,000lm	○ 4,000K	27W	24W	117 lm/w	3,168 lm	34V DC	80	700mA DC
3,000lm	● 3,000K	27W	23W	113 lm/w	3,096 lm	34V DC	80	700mA DC
DD-37202.04								
5,000lm	○ 4,000K	45W	40W	107 lm/w	4,846 lm	35V DC	80	1,150mA DC
5,000lm	● 3,000K	44W	39W	108 lm/w	4,737 lm	34V DC	80	1,150mA DC

OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25 °C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	○ 4,000K ● 3,000K

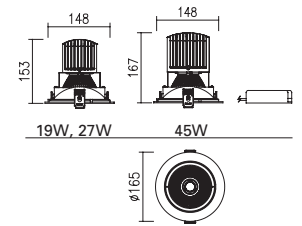
PHOTOMETRIC DATA



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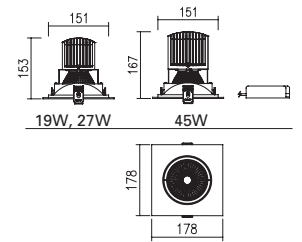
DD-37200.04 COB 19W x 1
DD-37201.04 COB 27W x 1
DD-37202.04 COB 45W x 1



0.8 kg \varnothing 155mm (6 1/10")



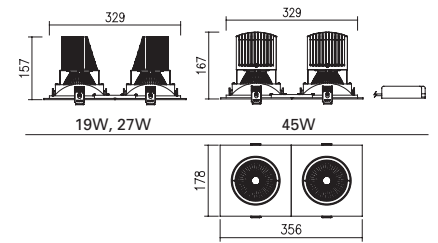
DD-37210.04 COB 19W x 1
DD-37211.04 COB 27W x 1
DD-37212.04 COB 45W x 1



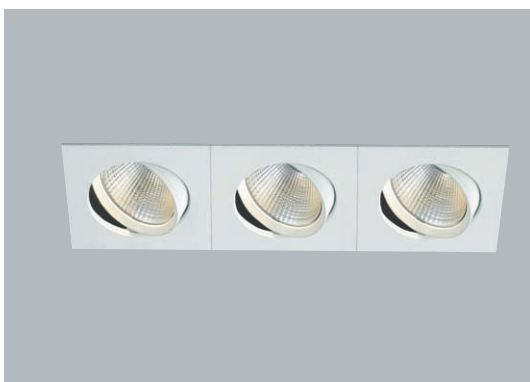
1.0 kg 165 x 165mm (6 1/2" x 6 1/2")



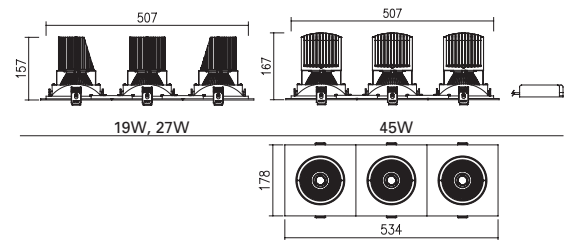
DD-37220.04 COB 19W x 2
DD-37221.04 COB 27W x 2
DD-37222.04 COB 45W x 2



2.0 kg 335 x 165mm (13 1/5" x 6 1/2")



DD-37230.04 COB 19W x 3
DD-37231.04 COB 27W x 3
DD-37232.04 COB 45W x 3




3.0 kg 515 x 165mm (20 3/10" x 6 1/2")

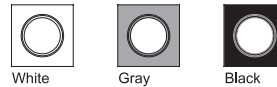
Multipl-o-L


DD-37202.05 Series



Recessed Down Light / Accent Light

TYPE OF LED : LED LAMP 

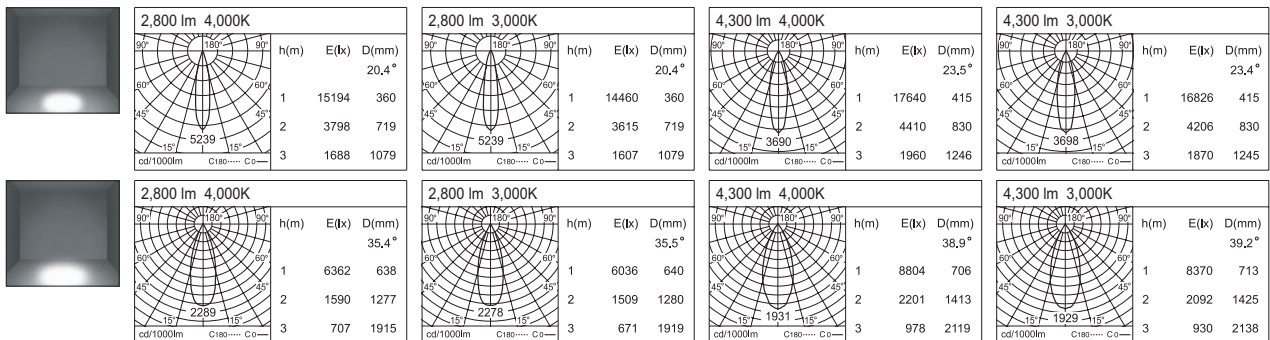


- TRIM AL. Die-Casting, Electrostatic Powder Coating
- ADJUSTABLE RING AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 25^\circ$)
- ROTATE RING PC, Urethane Coating. Adjustable Angle (Rotate $\angle 350^\circ$)
- MOUNTING RING AL. Die-Casting, Electrostatic Powder Coating
- OPTION Wireless Control (Bluetooth Module) 

TYPE OF LED LED LAMP (CN111-COB)
BEAM ANGLE $24^\circ, 40^\circ$
INPUT VOLTAGE 220-240V AC, 50-60Hz

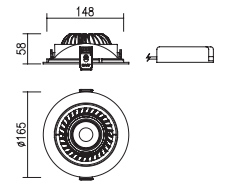
MODULE	LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX CRI	OUTPUT CURRENT (mA)
DD-37202.05									
2,800lm		○ 4,000K	28W	25W	104 lm/w	2,928 lm	36V DC	80	700mA DC
2,800lm		● 3,000K	28W	25W	99 lm/w	2,787 lm	36V DC	80	700mA DC
DD-37203.05									
4,300lm		○ 4,000K	40W	35W	121 lm/w	4,797 lm	35V DC	80	1,050mA DC
4,300lm		● 3,000K	40W	35W	115 lm/w	4,571 lm	35V DC	80	1,050mA DC


LED LIFETIME 30,000 hours
COLOR RENDERING INDEX 80
COLOR TEMPERATURE ○ 4,000K ● 3,000K





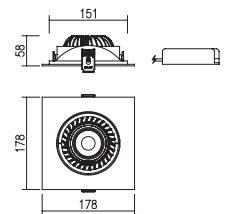
DD-37202.05 LED LAMP 28W x 1
DD-37203.05 LED LAMP 40W x 1



 
0.8 kg \varnothing 155mm (6 1/10")



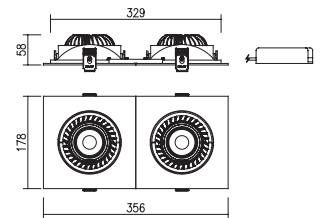
DD-37212.05 LED LAMP 28W x 1
DD-37213.05 LED LAMP 40W x 1



 
1.0 kg 165 x 165mm (6 1/2" x 6 1/2")



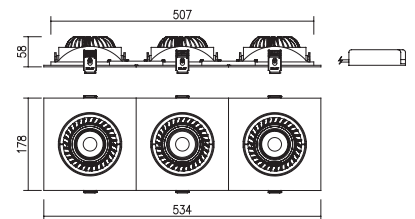
DD-37222.05 LED LAMP 28W x 2
DD-37223.05 LED LAMP 40W x 2



 
2.0 kg 335 x 165mm (13 1/5" x 6 1/2")



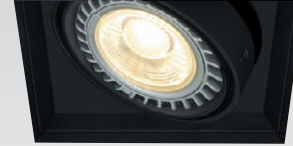
DD-37232.05 LED LAMP 28W x 3
DD-37233.05 LED LAMP 40W x 3



 
3.0 kg 515 x 165mm (20 3/10" x 6 1/2")


Multiplo-L

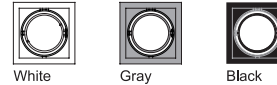
DD-37202.06 Series



Trimless

Recessed Down Light / Accent Light

TYPE OF LED : LED LAMP 

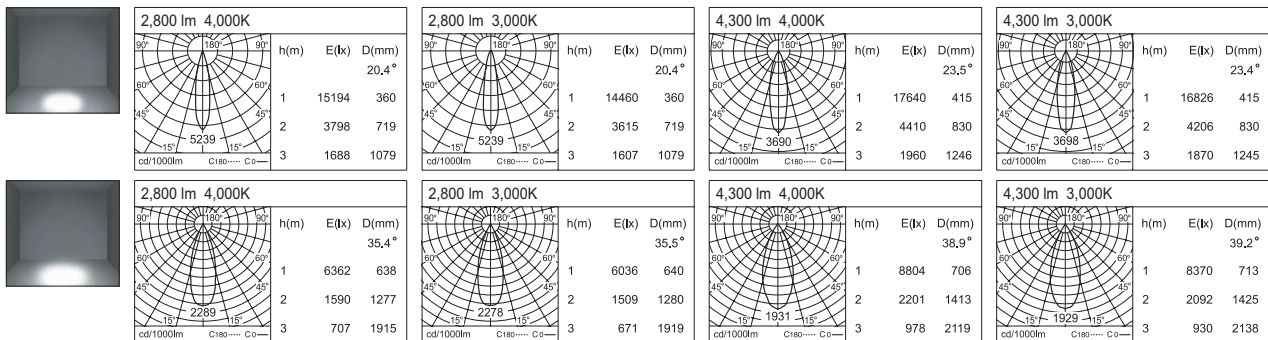


TRIM	AL. Die-Casting, Electrostatic Powder Coating
ADJUSTABLE RING	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 25^\circ$)
MOUNTING RING	AL. Die-Casting, Electrostatic Powder Coating
OPTION	Wireless Control (Bluetooth Module) 

TYPE OF LED	LED LAMP (CN111-COB)
BEAM ANGLE	$24^\circ, 40^\circ$
INPUT VOLTAGE	220-240V AC, 50-60Hz

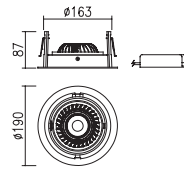
MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
2,800lm	○ 4,000K	28W	25W	104 lm/w	2,928 lm	36V DC	80	700mA DC
2,800lm	● 3,000K	28W	25W	99 lm/w	2,787 lm	36V DC	80	700mA DC
DD-37203.06								
4,300lm	○ 4,000K	40W	35W	121 lm/w	4,797 lm	35V DC	80	1,050mA DC
4,300lm	● 3,000K	40W	35W	115 lm/w	4,571 lm	35V DC	80	1,050mA DC

LED LIFETIME	30,000 hours
COLOR RENDERING INDEX	80
COLOR TEMPERATURE	○ 4,000K ● 3,000K





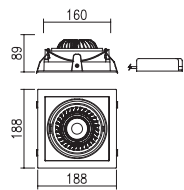
DD-37202.06 LED LAMP 28W x 1
DD-37203.06 LED LAMP 40W x 1



1.1 kg \varnothing 166 mm (6 1/2")



DD-37212.06 LED LAMP 28W x 1
DD-37213.06 LED LAMP 40W x 1



1.5 kg 170 x 170mm (6 7/10" x 6 7/10")

OPTION (Trimless Multi Down Light)

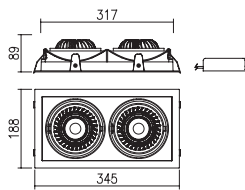


DD-37212.06-02 LED LAMP 28W x 1

DD-37213.06-02 LED LAMP 40W x 1



DD-37222.06 LED LAMP 28W x 2
DD-37223.06 LED LAMP 40W x 2



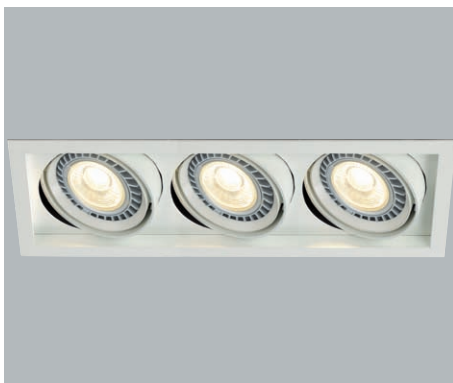
2.0 kg 325 x 170mm (12 4/5" x 6 7/10")

OPTION (Trimless Multi Down Light)

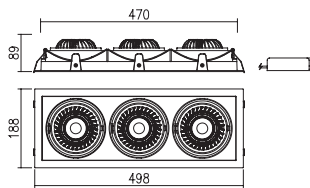


DD-37222.06-02 LED LAMP 28W x 2

DD-37223.06-02 LED LAMP 40W x 2

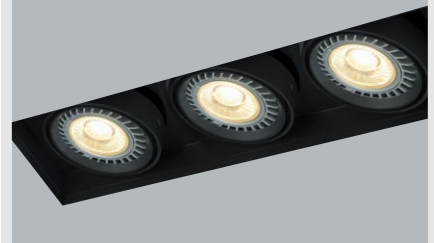


DD-37232.06 LED LAMP 28W x 3
DD-37233.06 LED LAMP 40W x 3



2.5 kg 475 x 170mm (18 7/10" x 6 7/10")

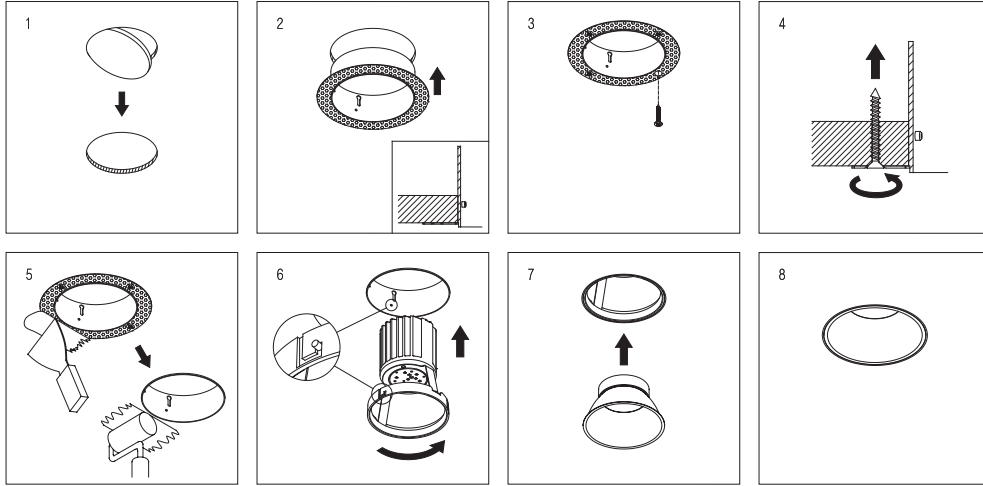
OPTION (Trimless Multi Down Light)



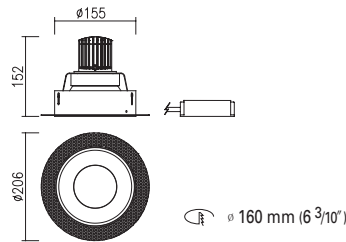
DD-37232.06-02 LED LAMP 28W x 3

DD-37233.06-02 LED LAMP 40W x 3

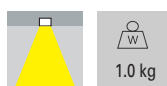
Multipl-o-T



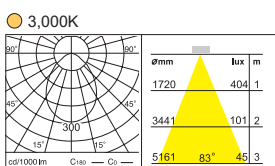
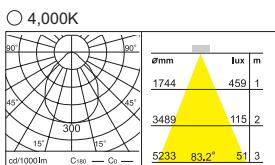
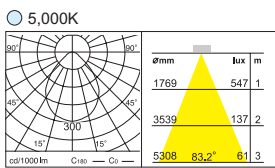
DD-12200.01



TYPE OF LED : POWER LED 



TRIM & HOUSING AL. Extrude, Electro Deposition Coating
HEAT SINK AL. Die-Casting, Electro Deposition Coating
REFLECTOR Steel, Electrostatic Powder Coating
COVER PC



TYPE OF LED Power LED (7 LED)
INPUT VOLTAGE 220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

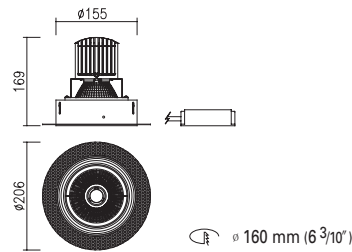
COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
● 5,000K	17W	15W	58 lm/w	992 lm	21V DC	75	700mA DC
○ 4,000K	17W	15W	49 lm/w	826 lm	21V DC	80	700mA DC
● 3,000K	17W	15W	43 lm/w	730 lm	21V DC	80	700mA DC

OPERATING TEMPERATURE RANGE -20 to +40 °C
MAINTENANCE OF LUMEN -L70 50,000 hours at 25 °C
COLOR RENDERING INDEX 80, 90
COLOR TEMPERATURE ● 5,000K ○ 4,000K ● 3,000K

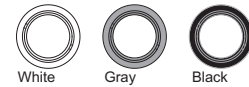
TRIMLESS DOWN LIGHT



DD-12200.02



TYPE OF LED : COB 



TRIM & HOUSING
ADJUSTABLE RING
MOUNTING RING
HEAT SINK
REFLECTOR

AL. Extrude, Electrostatic Powder Coating
AL. Die-Casting, Electrostatic Powder Coating
Adjustable Angle (Tilt $\angle 25^\circ$)
AL. Die-Casting, Electrostatic Powder Coating
AL. Die-Casting, Electro Deposition Coating
AL. Anodized Specular Silver

TYPE OF LED COB
INPUT VOLTAGE 220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

MODULE	COLOR	INPUT	OUTPUT	SYSTEM	LUMINOUS	OUTPUT	COLOR	OUTPUT
LUMINOUS	TEMPERATURE	POWER	POWER	EFFICIENCY	FLUX	VOLTAGE	RENDERING	CURRENT
FLUX	(K)	(W)	(W)	(lm/w)	(lm)	(nominal)	INDEX_CRI	(mA)
DD-12200.02								
2,000lm	○ 4,000K	19W	16W	120 lm/w	2,336 lm	33V DC	80	500mA DC
2,000lm	● 3,000K	19W	16W	119 lm/w	2,302 lm	33V DC	80	500mA DC
DD-12201.02								
3,000lm	○ 4,000K	27W	24W	117 lm/w	3,168 lm	34V DC	80	700mA DC
3,000lm	● 3,000K	27W	23W	113 lm/w	3,096 lm	34V DC	80	700mA DC
DD-12202.02								
5,000lm	○ 4,000K	45W	40W	107 lm/w	4,846 lm	35V DC	80	1,150mA DC
5,000lm	● 3,000K	44W	39W	108 lm/w	4,737 lm	34V DC	80	1,150mA DC

OPERATING TEMPERATURE RANGE -20 to +40 °C
 MAINTENANCE OF LUMEN -L80 50,000 hours at 25 °C
 COLOR RENDERING INDEX 80, 90
 COLOR TEMPERATURE ○ 4,000K ● 3,000K

PHOTOMETRIC DATA



>>> page 153

QUATTRO LED MULTI DOWN LIGHT

Recessed Down Light / Accent Light



Quattro

RECESSED DOWN LIGHT / PENDANT LIGHT

Quattro Down Light



QUATTRO-D
DD-30510 SERIES
[P.164](#)



QUATTRO-D
DD-30520 SERIES
[P.165](#)



QUATTRO-D
DD-30530 SERIES
[P.165](#)

Quattro Pendant



QUATTRO-P
DP-59010 SERIES
[P.295](#)



QUATTRO-P
DP-59060 SERIES
[P.295](#)

Quattro-D

DD-30510 Series

TYPE OF LED : POWER LED



White



Gray



Black

TRIM

ACCESSORY

LOUVER

AL. Die-Casting & AL. Extrude, Electrostatic Powder Coating

Beam Angle LENS

PC

TYPE OF LED

INPUT VOLTAGE

Power LED

220-240V AC , 50-60Hz

OPERATING TEMPERATURE RANGE

-20 to +40 °C

MAINTENANCE OF LUMEN -L70

50,000 hours at 25 °C

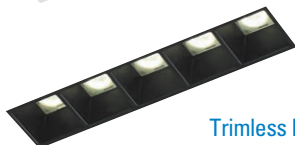
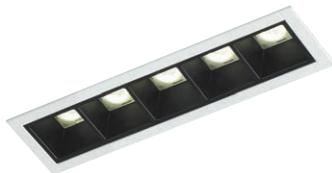
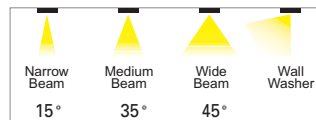
COLOR RENDERING INDEX

80, 90

COLOR TEMPERATURE

5,000K / 4,000K / 3,000K

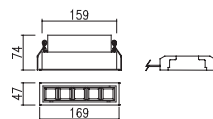
[Beam Angle of LENS]



Trimless Down Light

DD-30510

POWER LED (5LED) 13W



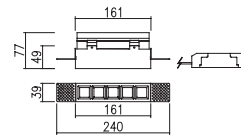
0.4 kg



162 x 40mm

DD-30510-02

POWER LED (5LED) 13W



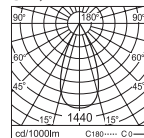
0.4 kg



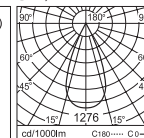
162 x 40mm

COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
5,000K	13W	10W	76 lm/w	954 lm	15V DC	80	700mA DC
4,000K	13W	11W	65 lm/w	820 lm	15V DC	80	700mA DC
3,000K	13W	11W	67 lm/w	855 lm	15V DC	80	700mA DC

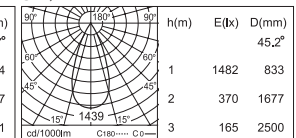
5,000K



4,000K

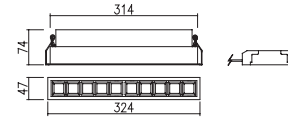


3,000K





DD-30520 POWER LED (10LED) 24W

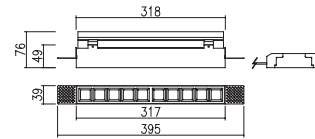


0.8 kg 318 x 40 mm



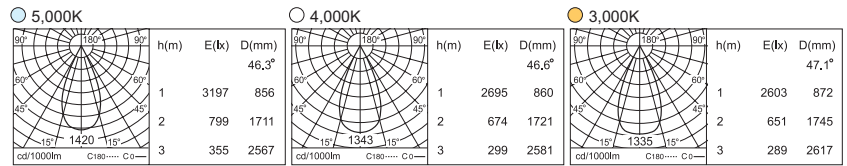
Trimless Down Light

DD-30520-02 POWER LED (10LED) 24W

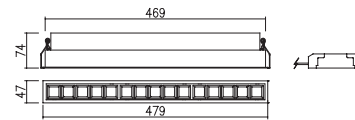


0.8 kg 318 x 40 mm

COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
5,000K	24W	21W	81 lm/w	1,915 lm	30V DC	80	700mA DC
4,000K	24W	21W	68 lm/w	1,559 lm	30V DC	80	700mA DC
3,000K	24W	21W	66 lm/w	1,597 lm	30V DC	80	700mA DC



DD-30530 POWER LED (15LED) 36W

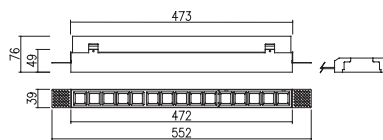


1.1 kg 472 x 40 mm



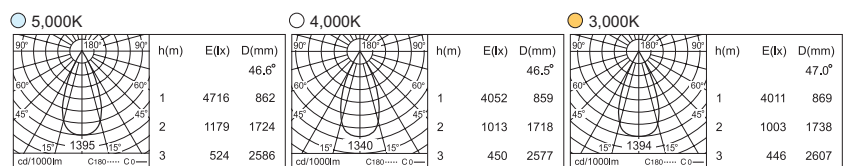
Trimless Down Light

DD-30530-02 POWER LED (15LED) 36W



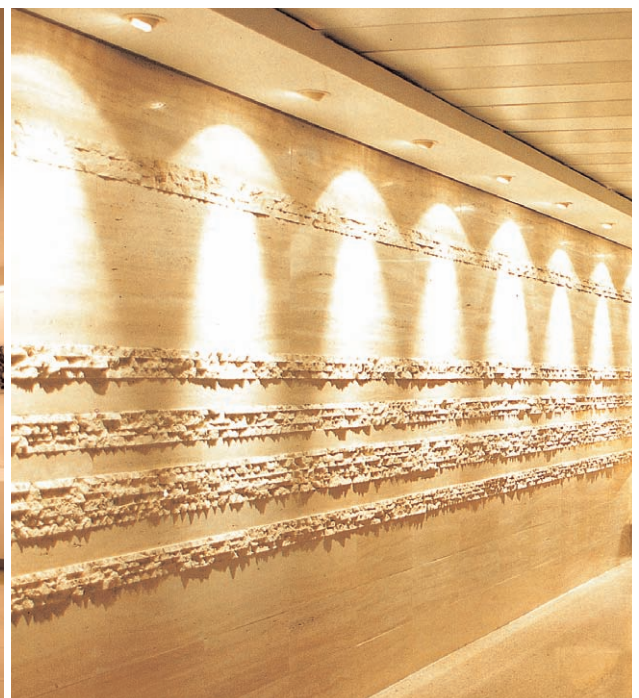
1.1 kg 473 x 40 mm

COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
5,000K	36W	31W	80 lm/w	2,839 lm	45V DC	80	700mA DC
4,000K	36W	31W	68 lm/w	2,428 lm	45V DC	80	700mA DC
3,000K	36W	32W	69 lm/w	2,458 lm	45V DC	80	700mA DC



DONUT LED DOWN LIGHT

Compact Down Light



Donut

RECESSED DOWN LIGHT / ACCENT LIGHT

Hole size
Ø 55



DONUT Ø 55
DD-12000
P.168

Hole size
Ø 75



DONUT Ø 75
DD-12020 SERIES
P.172



DONUT Ø 75
DD-12030 SERIES
P.174

Hole size
Ø 85



DONUT Ø 85
DD-10271
P.182

Hole size
Ø 90



DONUT Ø 90
DD-12070
P.181

Hole size
Ø 95



DONUT Ø 95
DD-12060
P.180



DONUT Ø 95
DD-10291
P.183

Hole size
Ø 100



DONUT Ø 100
DD-12010.02
P.170



DONUT Ø 100
DD-12040 SERIES
P.176



DONUT Ø 100
DD-12050 SERIES
P.178




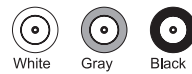
DONUT Ø 100
DD-10301,10311,10321
P.183


Donut

Compact Recessed Down Light



TYPE OF LED : COB 

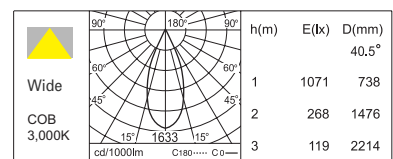
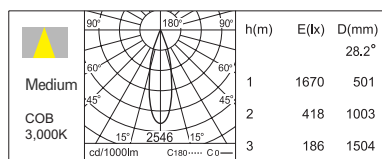
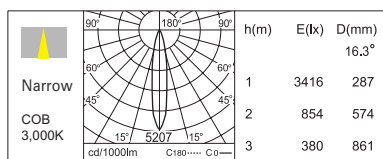


TRIM	AL. Die-Casting, Electrostatic Powder Coating
REFLECTOR	PC (Vacuum Coating)
LED HOUSING & COVER	AL. Extrude, Electrostatic Powder Coating (White, Black) or AL. Anodized Specular (Silver, Gold)
HEAT SINK	AL. Extrude, Electrostatic Powder Coating (White, Black)
OPTION	Wireless Control (Bluetooth Module) 

TYPE OF LED: COB
INPUT VOLTAGE: 220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

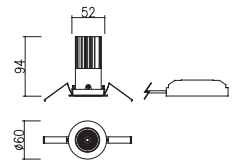
COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
3,000K	7W	6W	67 lm/w	486 lm	36V DC	80	160mA DC

OPERATING TEMPERATURE RANGE: -20 to +40 °C
 MAINTENANCE OF LUMEN -L80: 50,000 hours at 25 °C
 COLOR RENDERING INDEX: 80, 90
 COLOR TEMPERATURE: 4,000K 3,000K





DD-12000 COB 7W



∅ 55 mm (2 1/10")



White edge



Silver edge



Gold edge




Black edge



Donut

Compact Recessed Down Light




TYPE OF LED : COB 




White

Gray

Black

TRIM	AL. Die-Casting, Electrostatic Powder Coating
REFLECTOR	INNER : PC (Vacuum Coating) OUTER : AL. Anodized Specular Silver
HEAT SINK	AL. Die-Casting, Electro Deposition Coating
OPTION	Wireless Control (Bluetooth Module) 

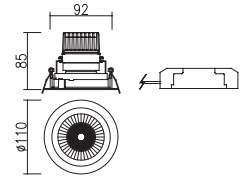
TYPE OF LED	COB
INPUT VOLTAGE	220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
1,000 lm	 3,000K	10W	9W	114 lm/w	1,137 lm	35V DC	80	250mA DC

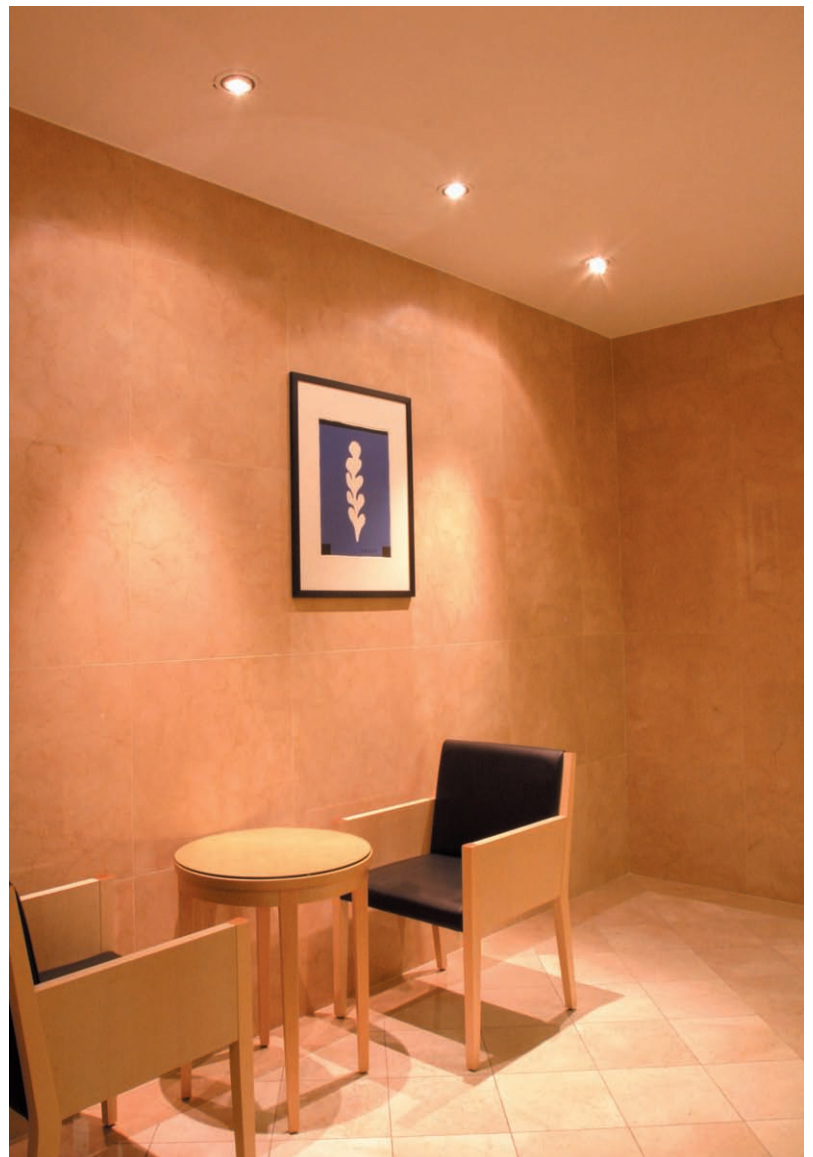
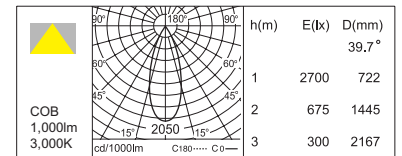
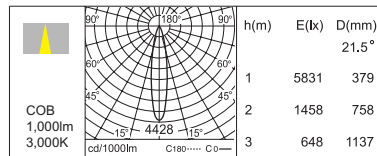
OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25 °C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	 4,000K  3,000K



DD-12010.02 COB 10W




∅ 100 mm (3 9/16")

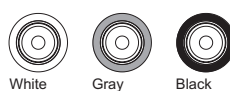
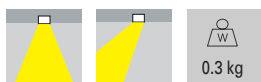



Donut

Compact Recessed Down Light







TYPE OF LED : COB 

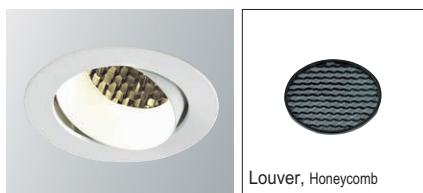


TRIM	AL. Die-Casting, Electrostatic Powder Coating
REFLECTOR	PC (Vacuum Coating) or LENS
MOUNTING COVER	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 20^\circ$)
HEAT SINK	AL. Die-Casting, Electro Deposition Coating
OPTION	Wireless Control (Bluetooth Module) 

TYPE OF LED	COB
INPUT VOLTAGE	220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

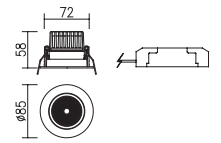
MODULE	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
DD-12020.01								
1,000 lm	 3,000K	10W	9W	114 lm/w	1,137 lm	35V DC	80	250mA DC
DD-12020.02								
1,000 lm	 3,000K	10W	8W	100 lm/w	1,021 lm	34V DC	80	250mA DC

OPERATING TEMPERATURE RANGE	-20 to +40°C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25°C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	 4,000K  3,000K

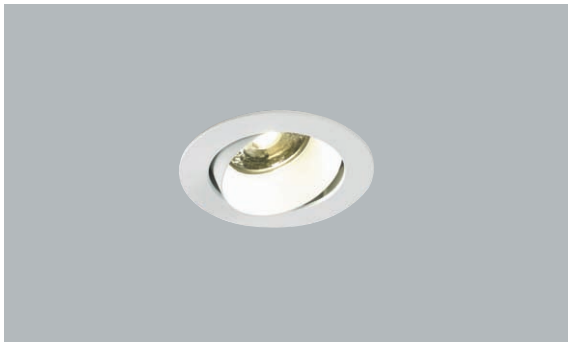
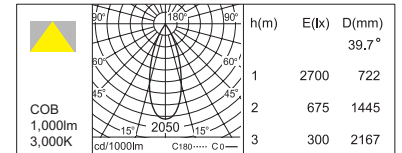
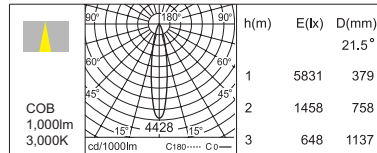




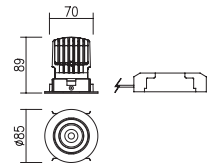
DD-12020.01 COB 10W



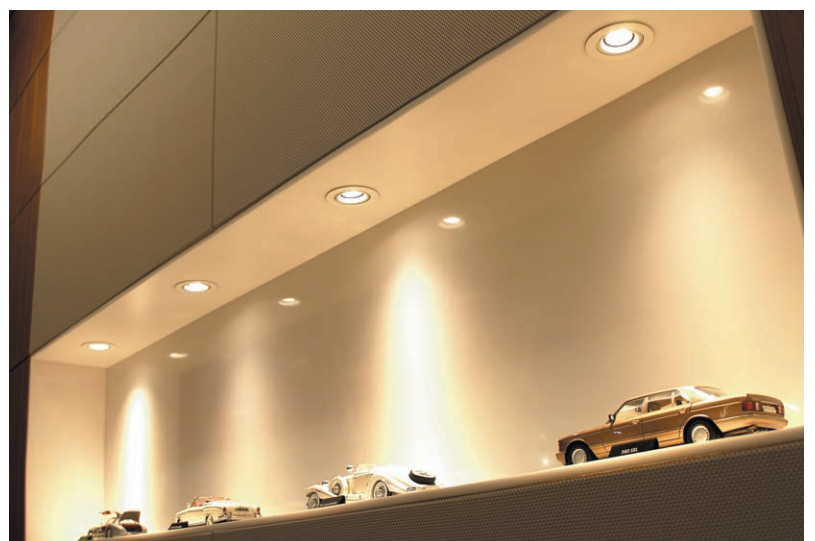
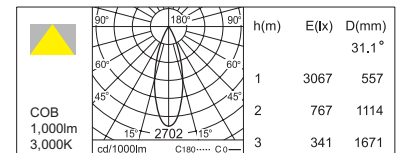
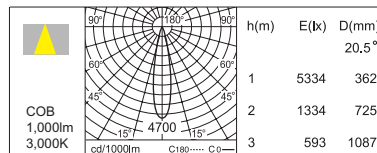
∅ 75 mm (2 9/10")



DD-12020.02 COB 10W




∅ 75 mm (2 9/10")

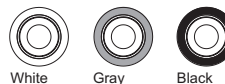
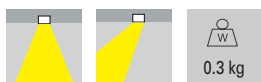



Donut

Compact Recessed Down Light






TYPE OF LED : COB 



TRIM AL. Die-Casting, Electrostatic Powder Coating
 REFLECTOR INNER : PC (Vacuum Coating)
 OUTER : AL. Anodized Specular Silver
 HEAT SINK AL. Die-Casting, Electrostatic Powder Coating
 OPTION Wireless Control (Bluetooth Module) 

TYPE OF LED COB
 INPUT VOLTAGE 220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
1,000 lm	 3,000K	10W	8W	104 lm/w	1,037 lm	34V DC	80	250mA DC

OPERATING TEMPERATURE RANGE -20 to +40 °C
 MAINTENANCE OF LUMEN -L80 50,000 hours at 25 °C
 COLOR RENDERING INDEX 80, 90
 COLOR TEMPERATURE  4,000K  3,000K



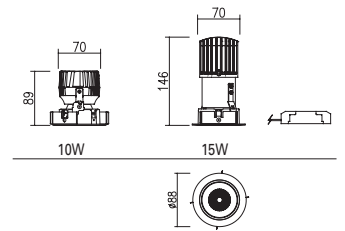
DD-12030.01 COB 10W, 15W

COB 10W 3,000K

h(m)	E(lx)	D(mm)
1	3987	495
2	997	991
3	443	1486

3761
15° 15°
cd/1000lm C180 C0

$\varnothing 75 \text{ mm } (2 \frac{9}{16} \text{\"})$



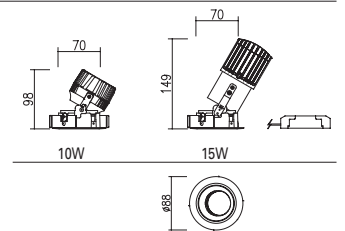
DD-12030.02 COB 10W, 15W

DD-12030.02 (Ref.A) COB 10W 3,000K

h(m)	E(lx)	D(mm)
1	3987	495
2	997	991
3	443	1486

3761
15° 15°
cd/1000lm C180 C0

$\varnothing 75 \text{ mm } (2 \frac{9}{16} \text{\"})$



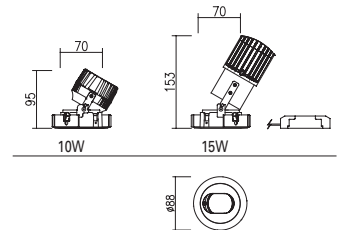
DD-12030.03 COB 10W, 15W

COB 10W 3,000K

h(m)	E(lx)	D(mm)
1	3200	320
2	800	640
3	356	960

3019
15° 15°
cd/1000lm C180 C0

$\varnothing 75 \text{ mm } (2 \frac{9}{16} \text{\"})$



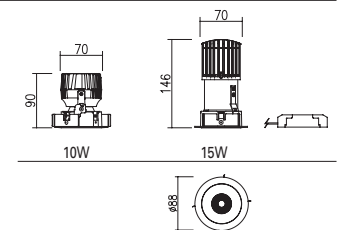
DD-12030.04 COB 10W, 15W

COB 10W 3,000K

h(m)	E(lx)	D(mm)
1	3200	320
2	800	640
3	356	960

2068
15° 15°
cd/1000lm C180 C0

$\varnothing 75 \text{ mm } (2 \frac{9}{16} \text{\"})$



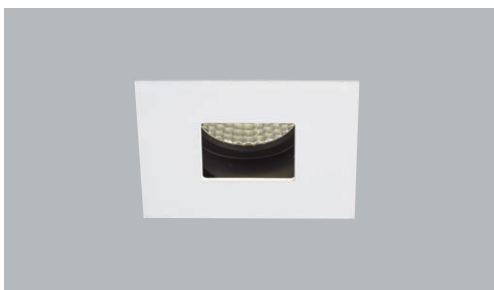
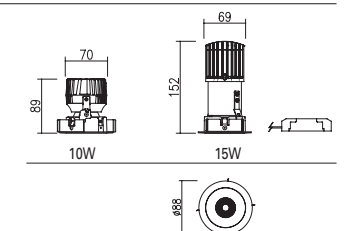
DD-12030.06 COB 10W, 15W

COB 10W 3,000K

h(m)	E(lx)	D(mm)
1	3456	483
2	864	966
3	384	1449

3260
15° 15°
cd/1000lm C180 C0

$\varnothing 75 \text{ mm } (2 \frac{9}{16} \text{\"})$



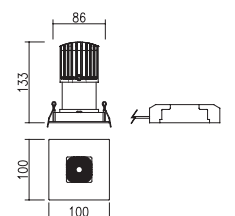
DD-12030.07 COB 10W, 15W

COB 10W 3,000K

h(m)	E(lx)	D(mm)
1	2845	379
2	711	759
3	316	1138

2684
15° 15°
cd/1000lm C180 C0


$90 \times 90 \text{ mm } (3 \frac{1}{2} \times 3 \frac{1}{2} \text{\"})$

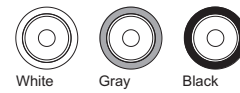



Donut

Compact Recessed Down Light






TYPE OF LED : COB 



TRIM AL. Die-Casting, Electrostatic Powder Coating
 REFLECTOR INNER : PC (Vacuum Coating)
 OUTER : AL. Anodized Specular Silver
 HEAT SINK AL. Die-Casting, Electro Deposition Coating
 OPTION Wireless Control (Bluetooth Module) 

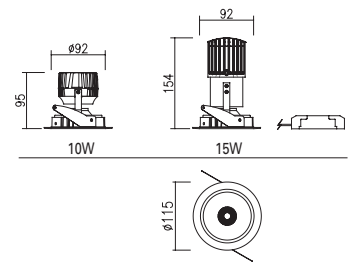
TYPE OF LED COB
 INPUT VOLTAGE 220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
1,000 lm	 3,000K	10W	8W	104 lm/w	1,037 lm	34V DC	80	250mA DC

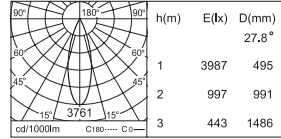
OPERATING TEMPERATURE RANGE -20 to +40 °C
 MAINTENANCE OF LUMEN -L80 50,000 hours at 25 °C
 COLOR RENDERING INDEX 80, 90
 COLOR TEMPERATURE  4,000K  3,000K



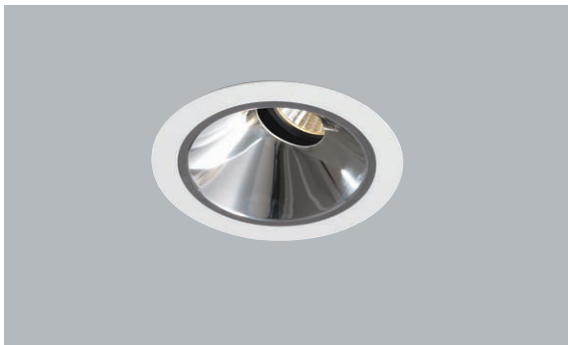
DD-12040.01 COB 10W, 15W



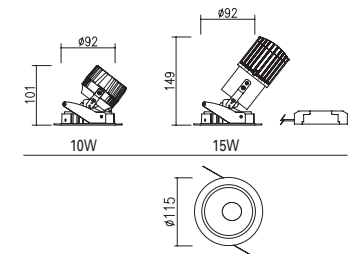
COB 10W 3,000K



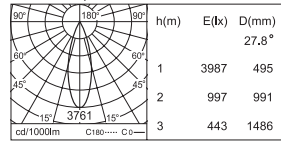
∅ 100 mm (3 9/16")



DD-12040.02 COB 10W, 15W



COB 10W 3,000K




∅ 100 mm (3 9/16")

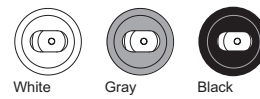



Donut

Compact Recessed Down Light






TYPE OF LED : COB 



TRIM AL. Die-Casting, Electrostatic Powder Coating
 REFLECTOR PC (Vacuum Coating)
 MOUNTING RING AL. Die-Casting, Electrostatic Powder Coating
 HEAT SINK AL. Die-Casting, Electro Deposition Coating
 OPTION Wireless Control (Bluetooth Module) 

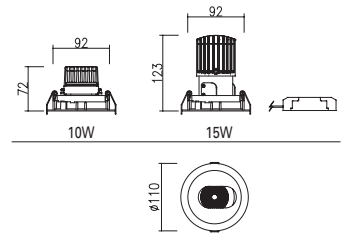
TYPE OF LED COB
 INPUT VOLTAGE 220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
1,000 lm	 3,000K	10W	8W	37 lm/w	368 lm	34V DC	80	250mA DC

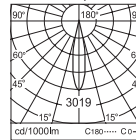
OPERATING TEMPERATURE RANGE -20 to +40 °C
 MAINTENANCE OF LUMEN -L80 50,000 hours at 25 °C
 COLOR RENDERING INDEX 80, 90
 COLOR TEMPERATURE  4,000K  3,000K




DD-12050.01 COB 10W, 15W



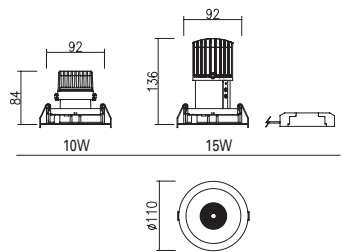
COB 10W 3,000K



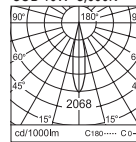
 $\varnothing 100 \text{ mm } (3 \frac{9}{10}')$




DD-12050.02 COB 10W, 15W



COB 10W 3,000K



 $\varnothing 100 \text{ mm } (3 \frac{9}{10}')$

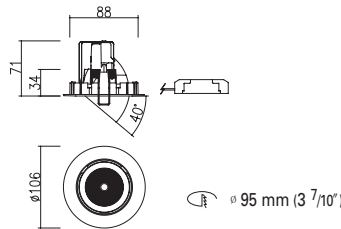


Donut

Compact Recessed Down Light




DD-12060 COB 10W



TYPE OF LED : COB 



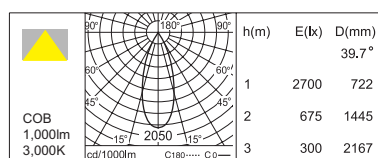
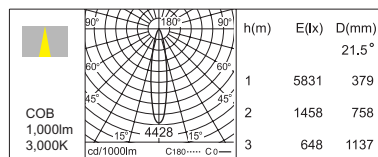



TRIM AL. Die-Casting, Electrostatic Powder Coating
REFLECTOR PC (Vacuum Coating)
MOUNTING RING & HEAT SINK AL. Die-Casting, Electrostatic Powder Coating
 Adjustable Angle (Tilt \angle 40°)
OPTION Wireless Control (Bluetooth Module) 

TYPE OF LED COB
INPUT VOLTAGE 220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX CRI	OUTPUT CURRENT (mA)
1,000 lm	3,000K	10W	9W	114 lm/w	1,137 lm	35V DC	80	250mA DC

OPERATING TEMPERATURE RANGE -20 to +40°C
MAINTENANCE OF LUMEN -L80 50,000 hours at 25°C
COLOR RENDERING INDEX 80, 90
COLOR TEMPERATURE 4,000K 3,000K

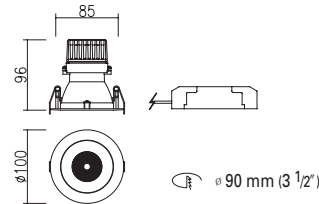



Donut

Compact Recessed Down Light




DD-12070 COB 10W



TYPE OF LED : COB 

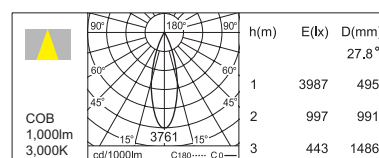


- TRIM AL. Die-Casting, Electrostatic Powder Coating
- REFLECTOR INNER : PC (Vacuum Coating)
OUTER : ABS, Electro Plating
- HEAT SINK AL. Die-Casting, Electro Deposition Coating
- OPTION Wireless Control (Bluetooth Module) 

TYPE OF LED COB
INPUT VOLTAGE 220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
1,000 lm	3,000K	10W	8W	104 lm/w	1,037 lm	34V DC	80	250mA DC


- OPERATING TEMPERATURE RANGE -20 to +40 °C
- MAINTENANCE OF LUMEN -L80 50,000 hours at 25 °C
- COLOR RENDERING INDEX 80, 90
- COLOR TEMPERATURE 4,000K 3,000K

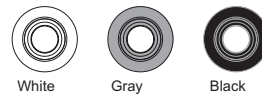


Donut

Compact Recessed Down Light



TYPE OF LED : LED LAMP 

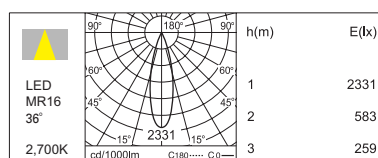


TRIM AL. Die-Casting, Electrostatic Powder Coating
MOUNTING RING AL. Die-Casting, Electrostatic Powder Coating
Adjustable Angle (Tilt $\angle 25^\circ$)

TYPE OF LED LED MR16
BEAM ANGLE 24°, 36°
INPUT VOLTAGE 220-240V AC, 50-60Hz

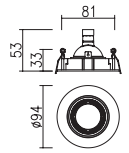
COLOR TEMPERATURE (K)	INPUT POWER (W)	LUMINOUS FLUX (lm)	LED OUTPUT VOLTAGE	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
● 2,700K	9W	1,200 lm	40V DC	80	250mA DC

MAINTENANCE OF LUMEN -L70 30,000 hours at 25°C
COLOR TEMPERATURE ● 3,000K ● 2,700K





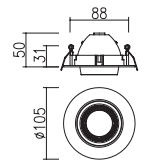
DD-10271 LED MR16 9W



∅ 85 mm (3 3/10")



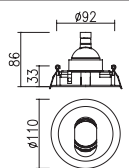
DD-10291 LED MR16 9W



∅ 95 mm (3 7/10")



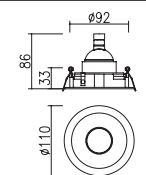
DD-10301 LED MR16 9W



∅ 100 mm (3 9/10")



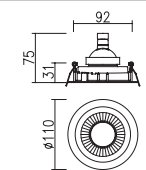
DD-10311 LED MR16 9W



∅ 100 mm (3 9/10")



DD-10321 LED MR16 9W



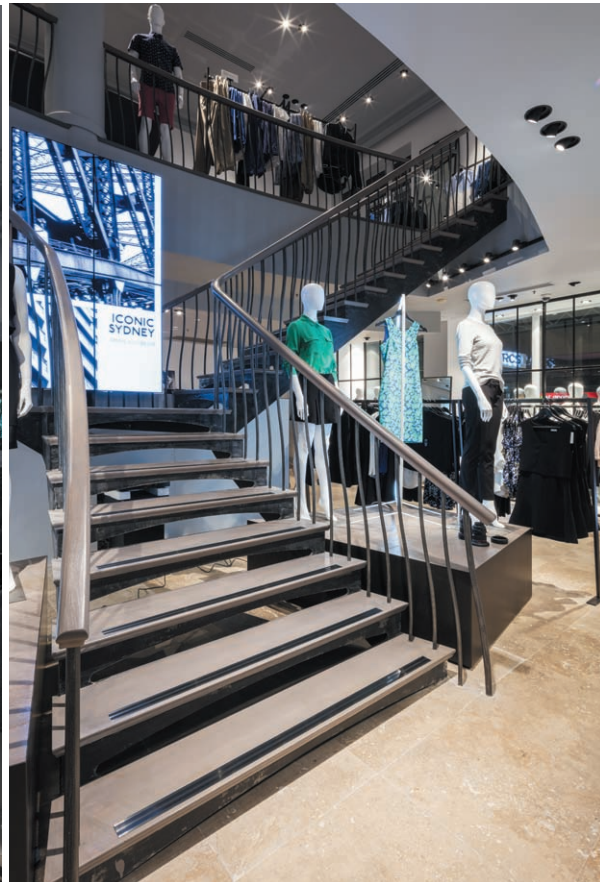
∅ 100 mm (3 9/10")

BECCO LED DOWN LIGHT

Compact Down Light




DD-12080.03 Trimless Down Light




Becco

Compact Recessed Down Light






TYPE OF LED : COB 

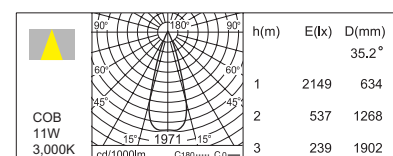
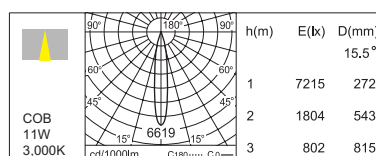


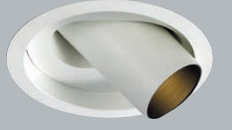
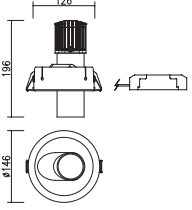

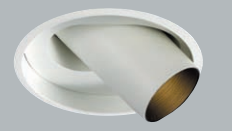
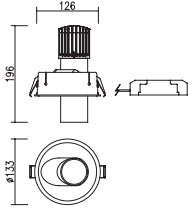

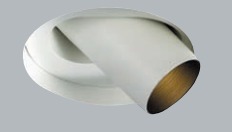
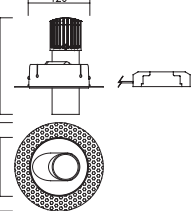


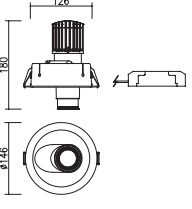

TRIM	AL. Die-Casting, Electrostatic Powder Coating
REFLECTOR	PC (Vacuum Coating)
LED HOUSING	AL. Extrude, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 38^\circ$)
MOUNTING RING	AL. Die-Casting, Electrostatic Powder Coating
HEAT SINK	AL. Die-Casting, Electrostatic Powder Coating
OPTION	Wireless Control (Bluetooth Module) 

TYPE OF LED	COB
INPUT VOLTAGE	220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

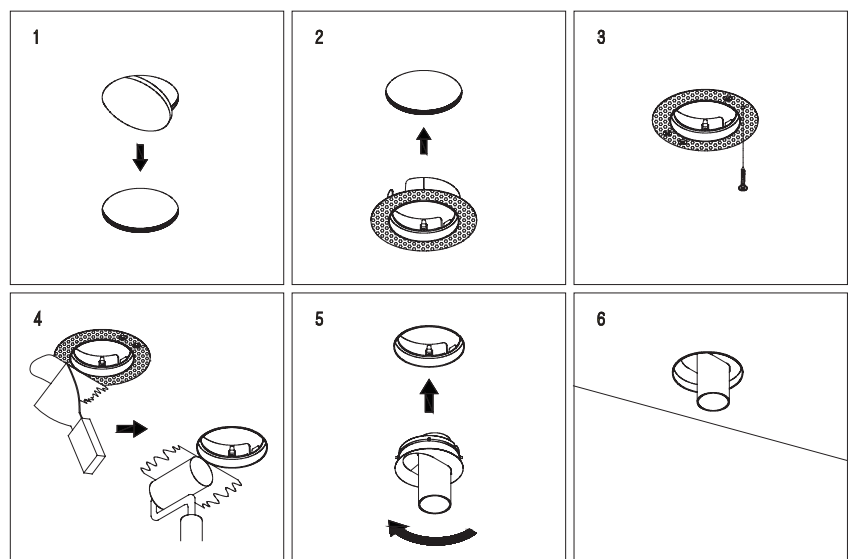
MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
1,000 lm	 3,000K	10W	8W	84 m/w	842 lm	34V DC	80	250mA DC

OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25 °C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	 4,000K  3,000K



	<p>DD-12080.01 COB 10W, 15W</p>			
 <p>∅ 132mm (5 1/5")</p>		<p>DD-12080.02 COB 10W, 15W</p>		
 <p>∅ 127mm (5")</p>		<p>DD-12080.03 COB 10W, 15W</p>		
 <p>∅ 130mm (5 1/10")</p>	<p>Trimless Down Light</p>		<p>DD-12080.04 COB 10W, 15W</p>	
 <p>∅ 132mm (5 1/5")</p>	<p>Lens Down Light</p>			

DD-12080.03 MOUNTING INSTRUCTION



MURLY LED DOWN LIGHT

Non Glare Down Light



Murly NEW
RECESSED DOWN LIGHT / WALL WASHER DOWN LIGHT



Non Glare Reflector



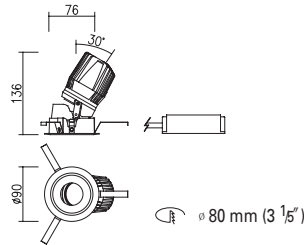
Product No.	DD-12100 Series p.190-191	DD-26530 Series p.192	DD-26540 Series p.193	DD-26550 p.194	DD-26560 p.195
Hole Size	⌀ 80mm	⌀ 100mm	⌀ 130mm	⌀ 103mm	⌀ 133mm
Type of LED	COB 12W LED MR16 9W 	COB 18W COB 25W 	COB 25W 	COB 18W COB 25W 	COB 25W
Type of Optic	 Wallwasher Optic	 Wallwasher Optic Fixed Optic	 Pin Hole Cover Optic		
Beam Angle	 Narrow Medium Wide	 Narrow Medium Wide	 Narrow Medium Wide		
	 White Chrome Dark Chrome Gold Black	 White Chrome Dark Chrome Black			

Murly

Non Glare Reflector Recessed Down Light / Wall Washer



DD-12100.01



NEW

TYPE OF LED : COB



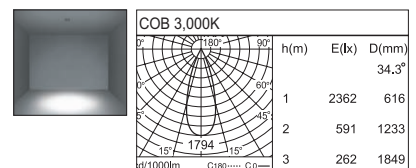
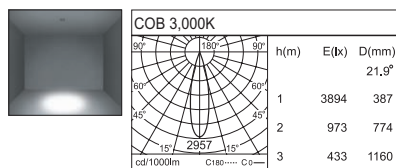
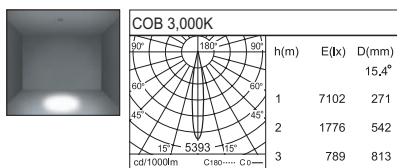
TRIM AL. Die-Casting, Electrostatic Powder Coating
 ADJUSTABLE RING PC, Adjustable Angle (Tilt $\angle 30^\circ$)
 HEAT SINK AL. Die-Casting, Electrostatic Powder Coating
 OPTION Wireless Control (Bluetooth Module)

TYPE OF LED COB
 INPUT VOLTAGE 220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

OUTPUT POWER (W)	COLOR TEMPERATURE (K)	INPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
● 3,000K	12W	10W	65 lm/w	743 lm	34V DC	80	290mA DC

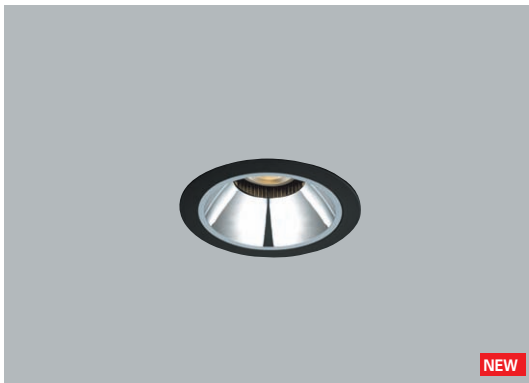
OPERATING TEMPERATURE RANGE -20 to +40 °C
 MAINTENANCE OF LUMEN -L80 50,000 hours at 25 °C
 COLOR RENDERING INDEX 80, 90
 COLOR TEMPERATURE ○ 4,000K ● 3,000K

REFLECTOR

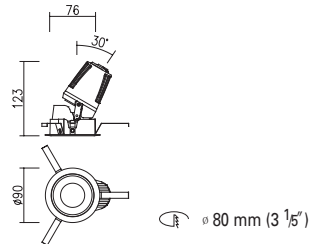


Murly

Non Glare Reflector Recessed Down Light / Wall Washer



DD-12100.02



NEW


TYPE OF LED : LED LAMP 



White

Gray

Black

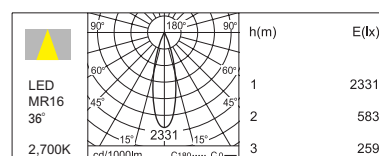
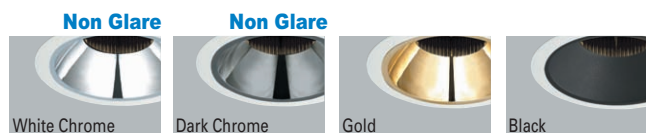
TRIM	AL. Die-Casting, Electrostatic Powder Coating
ADJUSTABLE RING	PC, Adjustable Angle (Tilt $\angle 30^\circ$)
MOUNTING RING	AL. Die-Casting, Electrostatic Powder Coating
LAMP HOUSING	AL. Die-Casting, Electrostatic Powder Coating
OPTION	Wireless Control (Bluetooth Module) 

TYPE OF LED	LED MR 16
BEAM ANGLE	15°, 24°, 36°
INPUT VOLTAGE	220-240V AC , 50-60Hz

COLOR TEMPERATURE (K)	INPUT POWER (W)	LUMINOUS FLUX (lm)	LED OUTPUT VOLTAGE	COLOR RENDERING INDEX CRI	OUTPUT CURRENT (mA)
● 2,700K	9W	1,200 lm	40V DC	80	250mA DC

MAINTENANCE OF LUMEN -L70	30,000 hours at 25°C
COLOR TEMPERATURE	● 3,000K ● 2,700K

REFLECTOR

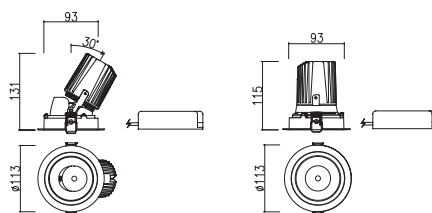


Murly

Non Glare Reflector Recessed Down Light / Wall Washer



DD-26530 SERIES



DD-26530.01

DD-26530.02

Ø 100 mm (3 9/16")

TYPE OF LED : COB



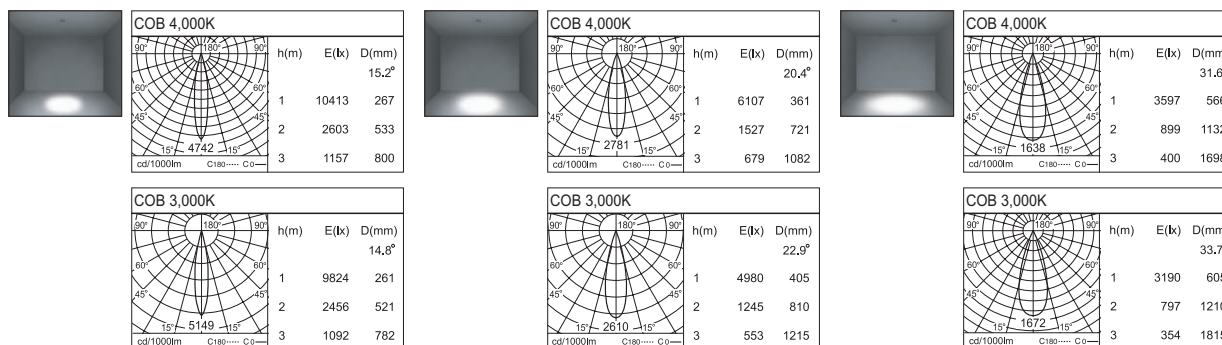
- | | |
|-----------------|--|
| TRIM | AL. Die-Casting, Electrostatic Powder Coating |
| ADJUSTABLE RING | PC, Adjustable Angle (Tilt $\angle 30^\circ$) |
| MOUNTING RING | AL. Extrude, Electrostatic Powder Coating |
| HEAT SINK | AL. Die-Casting, Electrostatic Powder Coating |
| OPTION | Wireless Control (Bluetooth Module) |

TYPE OF LED: COB
INPUT VOLTAGE: 220-240V AC, 50-60Hz (option : 100-240V AC, 50-60Hz)

COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
○ 4,000K	18W	15W	57 lm/w	994 lm	35V DC	80	420mA DC
● 3,000K	18W	14W	56 lm/w	960 lm	35V DC	80	420mA DC

OPERATING TEMPERATURE RANGE: -20 to +40 °C
 MAINTENANCE OF LUMEN -L80: 50,000 hours at 25 °C
 COLOR RENDERING INDEX: 80, 90
 COLOR TEMPERATURE: ○ 4,000K ● 3,000K

REFLECTOR



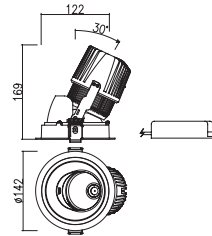
Murly

Non Glare Reflector Recessed Down Light / Wall Washer

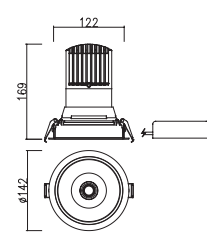


NEW

DD-26540 SERIES



DD-26540.01



DD-26540.02

Ø 130 mm (5 1/10")

TYPE OF LED : COB



TRIM
ADJUSTABLE RING
MOUNTING RING
HEAT SINK
OPTION

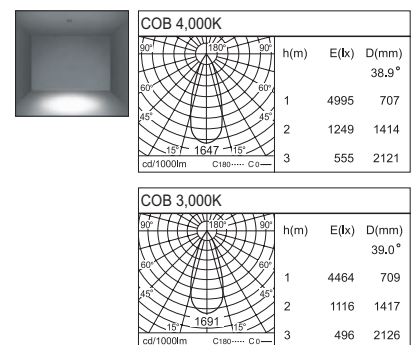
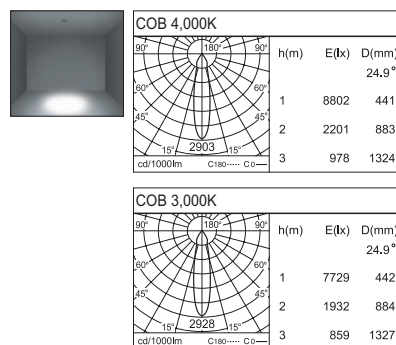
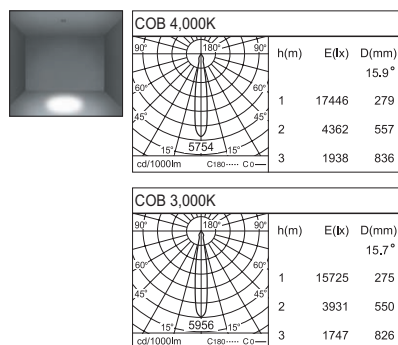
AL. Die-Casting, Electrostatic Powder Coating
PC, Adjustable Angle (Tilt $\angle 30^\circ$)
AL. Extrude, Electrostatic Powder Coating
AL. Die-Casting, Electrostatic Powder Coating
Wireless Control (Bluetooth Module)

TYPE OF LED COB
INPUT VOLTAGE 220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX, CRI	OUTPUT CURRENT (mA)
○ 4,000K	25W	22W	91 lm/w	2,288 lm	36V DC	80	600mA DC
● 3,000K	25W	21W	82 lm/w	2,071 lm	35V DC	80	600mA DC

OPERATING TEMPERATURE RANGE -20 to +40 °C
MAINTENANCE OF LUMEN -L80 50,000 hours at 25 °C
COLOR RENDERING INDEX 80, 90
COLOR TEMPERATURE ○ 4,000K ● 3,000K

REFLECTOR

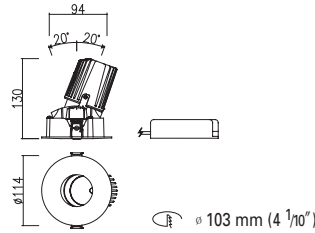


Murly

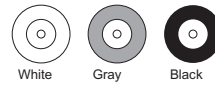
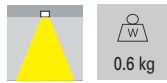
Pin Hole Recessed Down Light



DD-26550



TYPE OF LED : COB

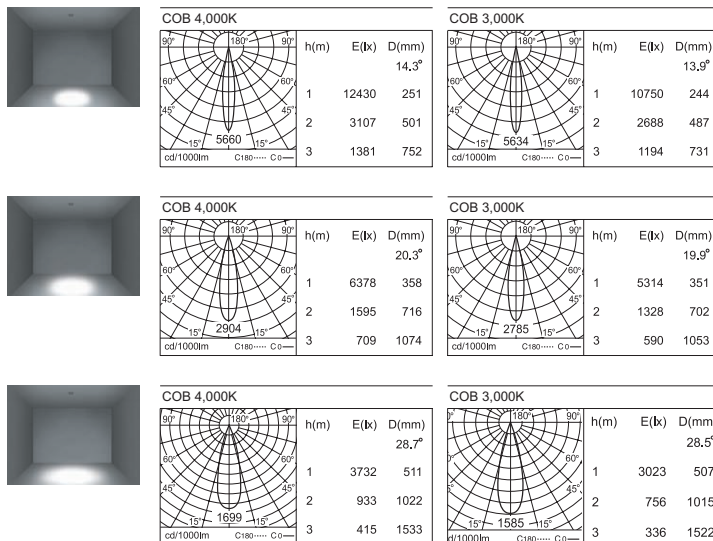


- TRIM: AL. Die-Casting, Electrostatic Powder Coating
- ADJUSTABLE RING: AL. Die-Casting, Electrostatic Powder Coating, Adjustable Angle (Tilt $\angle 20^\circ / \angle 20^\circ$)
- MOUNTING RING: AL. Extrude, Electrostatic Powder Coating
- HEAT SINK: AL. Die-Casting, Electrostatic Powder Coating
- OPTION: Wireless Control (Bluetooth Module)

TYPE OF LED: COB
INPUT VOLTAGE: 220-240V AC, 50-60Hz (option : 100-240V AC, 50-60Hz)

COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
○ 4,000K	18W	15W	57 lm/w	994 lm	35V DC	80	420mA DC
● 3,000K	17W	14W	44 lm/w	761 lm	35V DC	80	420mA DC

- OPERATING TEMPERATURE RANGE: -20 to +40°C
- MAINTENANCE OF LUMEN -L80: 50,000 hours at 25°C
- COLOR RENDERING INDEX: 80, 90
- COLOR TEMPERATURE: ○ 4,000K ● 3,000K

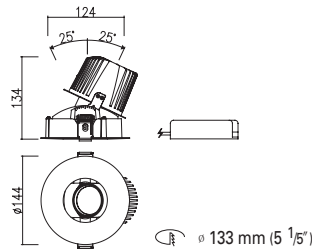


Murly

Pin Hole Recessed Down Light



DD-26560



NEW


TYPE OF LED : COB 



White

Gray

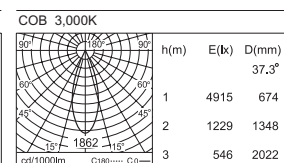
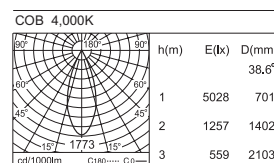
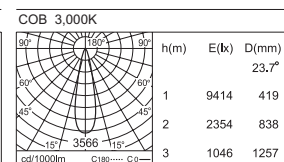
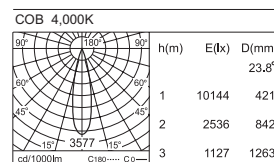
Black

TRIM	AL. Die-Casting, Electrostatic Powder Coating
ADJUSTABLE RING	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 25^\circ / \angle 25^\circ$)
MOUNTING RING	AL. Extrude, Electrostatic Powder Coating
HEAT SINK	AL. Die-Casting, Electrostatic Powder Coating
OPTION	Wireless Control (Bluetooth Module) 

TYPE OF LED COB
INPUT VOLTAGE 220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
○ 4,000K	25W	22W	83 lm/w	2,103 lm	36V DC	80	600mA DC
● 3,000K	25W	21W	75 lm/w	1,886 lm	35V DC	80	600mA DC

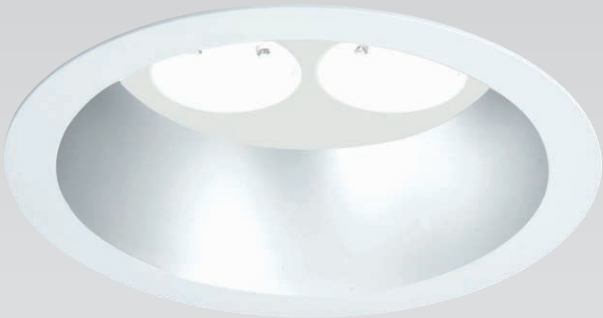
OPERATING TEMPERATURE RANGE -20 to +40 °C
 MAINTENANCE OF LUMEN -L80 50,000 hours at 25 °C
 COLOR RENDERING INDEX 80, 90
 COLOR TEMPERATURE ○ 4,000K ● 3,000K



DOT LED DOWN LIGHT

SMART LENS DOWN LIGHT



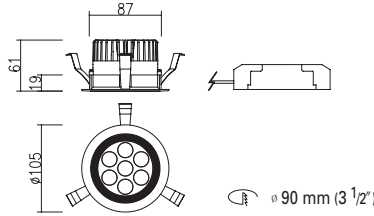


Dot

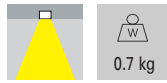
Recessed Down Light



DD-12100.00



TYPE OF LED : POWER LED



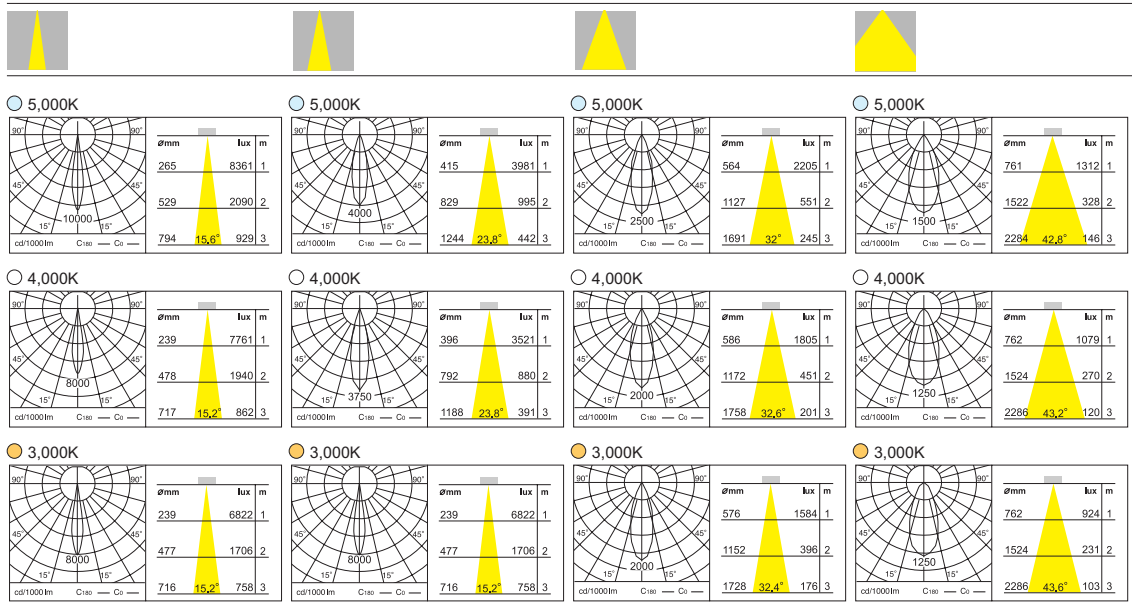
TRIM
HEAT SINK
ACCESSORY
BEAM ANGLE

PC, Urethane Coating
AL. Die-Casting, Electro Deposition Coating
Beam angle LENS Type
15°, 20°, 30°, 40°

TYPE OF LED Power LED
INPUT VOLTAGE 220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
5,000K	9W	7W	102 lm/w	921 lm	20V DC	80	350mA DC
4,000K	9W	7W	85 lm/w	761 lm	20V DC	80	350mA DC
3,000K	9W	7W	79 lm/w	709 lm	20V DC	80	350mA DC

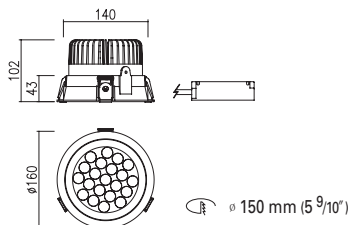
OPERATING TEMPERATURE RANGE -20 to +40 °C
 MAINTENANCE OF LUMEN -L70 50,000 hours at 25 °C
 COLOR RENDERING INDEX 80, 90
 COLOR TEMPERATURE 5,000K 4,000K 3,000K



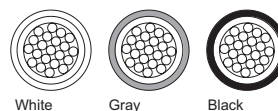
Dot Recessed Down Light



DD-12160



TYPE OF LED : POWER LED



White Gray Black

TRIM

HEAT SINK

ACCESSORY

BEAM ANGLE

AL. Die-Casting, Electrostatic Powder Coating

AL. Die-Casting, Electro Deposition Coating

Beam angle LENS Type

10°, 15°, 20°, 30°, 40°

TYPE OF LED

Power LED

INPUT VOLTAGE

220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

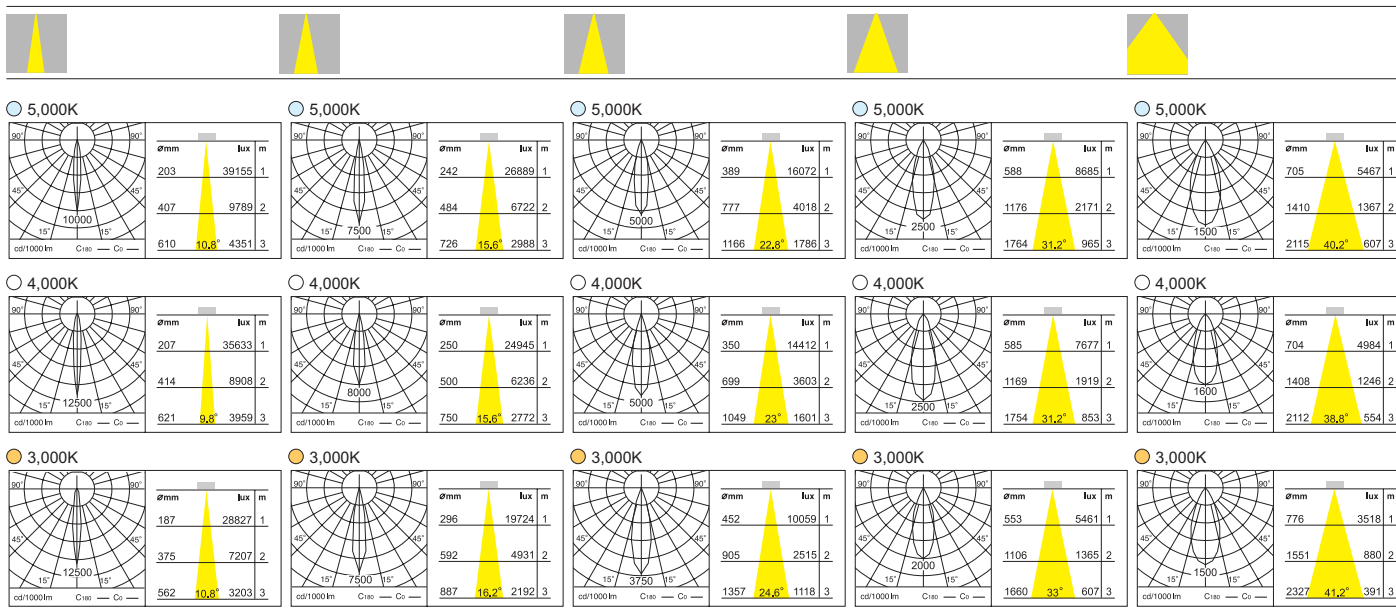
COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
5,000K	30W	24W	113 lm/w	3,394 lm	20V DC	80	1,200mA DC
4,000K	30W	24W	105 lm/w	3,163 lm	20V DC	80	1,200mA DC
3,000K	30W	24W	81 lm/w	2,443 lm	20V DC	80	1,200mA DC

OPERATING TEMPERATURE RANGE -20 to +40°C

MAINTENANCE OF LUMEN -L70 50,000 hours at 25°C

COLOR RENDERING INDEX 80, 90

COLOR TEMPERATURE 5,000K 4,000K 3,000K



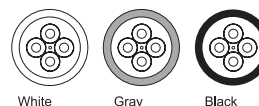
Dot

DD-12170.02 series NEW

High Wattage Down Light / Smart Lens Down Light



TYPE OF LED : COB 



TRIM	AL. Die-Casting, Electrostatic Powder Coating
FRAME	Steel
REFLECTOR	AL. Anodized, Electrostatic Powder Coating
ACCESSORY	LENS
HEAT SINK	AL. Die-Casting, Electrostatic Powder Coating

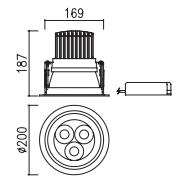
TYPE OF LED	COB
INPUT VOLTAGE	220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX CRI	OUTPUT CURRENT (mA)
DD-12170.02							
○ 4,000K	61W	54W	126 lm/W	7,633 lm	34V DC	80	1,600mA DC
● 3,000K	60W	54W	122 lm/W	7,325 lm	34V DC	80	1,600mA DC
DD-12180.02							
○ 4,000K	97W	87W	120 lm/W	11,839 lm	36V DC	80	2,400mA DC
● 3,000K	96W	85W	121 lm/W	11,561 lm	35V DC	80	2,400mA DC
DD-12190							
○ 4,000K	80W	70W	127 lm/W	10,186 lm	34V DC	80	2,050mA DC
● 3,000K	79W	70W	125 lm/W	9,850 lm	34V DC	80	2,050mA DC

OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25 °C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	○ 4,000K ● 3,000K



DD-12170.02 COB 61W



1.6 kg \varnothing 175 mm (6 9/10")

Beam	h(m)	E(lx)	D(mm)
Narrow Beam COB 4,000K	1	24394	493
	2	6098	987
	3	2710	1480

Beam	h(m)	E(lx)	D(mm)
Medium Beam COB 4,000K	1	21015	629
	2	5254	1258
	3	2335	1886

Beam	h(m)	E(lx)	D(mm)
Wide Beam COB 4,000K	1	10805	914
	2	2701	1828
	3	1201	2742

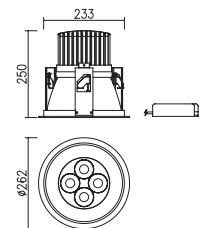
Beam	h(m)	E(lx)	D(mm)
Narrow Beam COB 3,000K	1	24223	488
	2	6056	977
	3	2691	1465

Beam	h(m)	E(lx)	D(mm)
Medium Beam COB 3,000K	1	19788	617
	2	4947	1235
	3	2199	1852

Beam	h(m)	E(lx)	D(mm)
Wide Beam COB 3,000K	1	10669	904
	2	2667	1809
	3	1185	2713



DD-12180.02 COB 97W



2.7 kg \varnothing 240 mm (9 1/2")

Beam	h(m)	E(lx)	D(mm)
Narrow Beam COB 4,000K	1	38428	489
	2	9607	977
	3	4270	1466

Beam	h(m)	E(lx)	D(mm)
Medium Beam COB 4,000K	1	32674	595
	2	8169	1190
	3	3630	1786

Beam	h(m)	E(lx)	D(mm)
Wide Beam COB 4,000K	1	16376	905
	2	4094	1809
	3	1820	2714

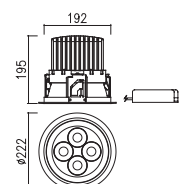
Beam	h(m)	E(lx)	D(mm)
Narrow Beam COB 3,000K	1	37403	492
	2	9351	985
	3	4156	1477

Beam	h(m)	E(lx)	D(mm)
Medium Beam COB 3,000K	1	32118	601
	2	8030	1201
	3	3569	1802

Beam	h(m)	E(lx)	D(mm)
Wide Beam COB 3,000K	1	16059	912
	2	4015	1824
	3	1784	2737



DD-12190 COB 80W



1.5 kg \varnothing 200 mm (7 9/10")

Beam	h(m)	E(lx)	D(mm)
Narrow Beam COB 4,000K	1	32450	498
	2	8113	996
	3	3606	1494

Beam	h(m)	E(lx)	D(mm)
Medium Beam COB 4,000K	1	28129	596
	2	7032	1192
	3	3125	1789

Beam	h(m)	E(lx)	D(mm)
Wide Beam COB 4,000K	1	14184	922
	2	3546	1843
	3	1576	2765

Beam	h(m)	E(lx)	D(mm)
Narrow Beam COB 3,000K	1	31932	499
	2	7938	997
	3	3548	1496

Beam	h(m)	E(lx)	D(mm)
Medium Beam COB 3,000K	1	27884	595
	2	6971	1189
	3	3098	1784

Beam	h(m)	E(lx)	D(mm)
Wide Beam COB 3,000K	1	13963	921
	2	3491	1842
	3	1551	2763

REFLEX LED DOWN LIGHT

General Down Light



Reflex

RECESSED DOWN LIGHT

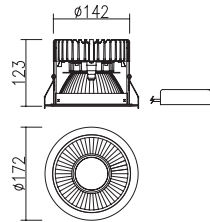
Reflex Down Light					
	REFLEX-D DD-20010 SERIES P.204	REFLEX-D DD-20020.01 SERIES P.205	REFLEX-D DD-20020.02 SERIES P.206	REFLEX-D DD-20020.03 SERIES P.207	REFLEX-D DD-20040 SERIES P.208
					
	REFLEX-D DD-20050 SERIES P.209	REFLEX-D DD-20060 SERIES P.210	REFLEX-D DD-20070 SERIES P.211	REFLEX-D DD-20090 SERIES P.212	
Reflex Moisture Proof					
	REFLEX-MP DD-11000 SERIES P.214	REFLEX-MP DD-12090 SERIES P.215	REFLEX-MP DD-12100.03 SERIES P.216	REFLEX-MP DD-12100.04 SERIES P.216	
					
	REFLEX-MP DD-12110 SERIES P.217	REFLEX-MP DD-12210 SERIES P.218	REFLEX-MP DD-12240 SERIES P.219		
Reflex Wall Washer					
	REFLEX-WW DD-26500 SERIES P.221	REFLEX-WW DD-26510 SERIES P.222	REFLEX-WW DD-26520 SERIES P.223		

Reflex-D

Recessed Down Light



DD-20010 SERIES



Ø 155 mm (6 1/16")

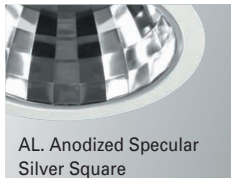
TYPE OF LED : LED MODULE



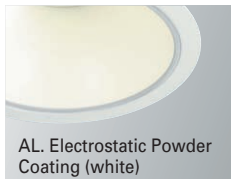
White Gray Black



AL. Anodized Specular Silver Valley



AL. Anodized Specular Silver Square



AL. Electrostatic Powder Coating (white)



AL. Anodized Fog Coating

- TRIM AL. Die-Casting, Electrostatic Powder Coating
- FRAME Steel
- REFLECTOR AL. Anodized Specular Silver
- HEAT SINK AL. Die-Casting, Electro Deposition Coating
- OPTION Wireless Control (Bluetooth Module)

TYPE OF LED LED MODULE
INPUT VOLTAGE 220-240V AC , 50-60Hz

MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
DD-20010								
2,000lm	○ 4,000K	22W	19W	81 lm/w	1,784 lm	38V DC	80	500mA DC
2,000lm	● 3,000K	22W	19W	76 lm/w	1,688 lm	39V DC	80	500mA DC
DD-20012								
3,000lm	○ 4,000K	34W	30W	77 lm/w	2,595 lm	34V DC	80	700mA DC
3,000lm	● 3,000K	34W	31W	75 lm/w	2,559 lm	35V DC	80	700mA DC

OPERATING TEMPERATURE RANGE -20 to +40 °C
 MAINTENANCE OF LUMEN -L70 50,000 hours at 25 °C
 COLOR TEMPERATURE ○ 4,000K ● 3,000K

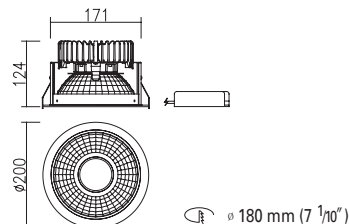
 AL. Anodized Silver Valley	2,000 lm 4,000K h(m) E(lx) D(mm) 1 2697 728 2 674 1456 3 300 2184	2,000 lm 3,000K h(m) E(lx) D(mm) 1 2546 723 2 637 1446 3 283 2169	3,000 lm 4,000K h(m) E(lx) D(mm) 1 3849 733 2 962 1465 3 428 2198	3,000 lm 3,000K h(m) E(lx) D(mm) 1 3845 731 2 961 1463 3 427 2194
	2,000 lm 4,000K h(m) E(lx) D(mm) 1 1448 1347 2 362 2694 3 161 4042	2,000 lm 3,000K h(m) E(lx) D(mm) 1 1361 1355 2 340 2711 3 151 4066	3,000 lm 4,000K h(m) E(lx) D(mm) 1 2099 1359 2 525 2717 3 233 4076	3,000 lm 3,000K h(m) E(lx) D(mm) 1 2076 1359 2 519 2718 3 231 4077

Reflex-D

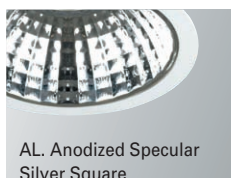
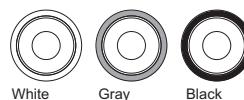
Recessed Down Light



DD-20020.01 SERIES



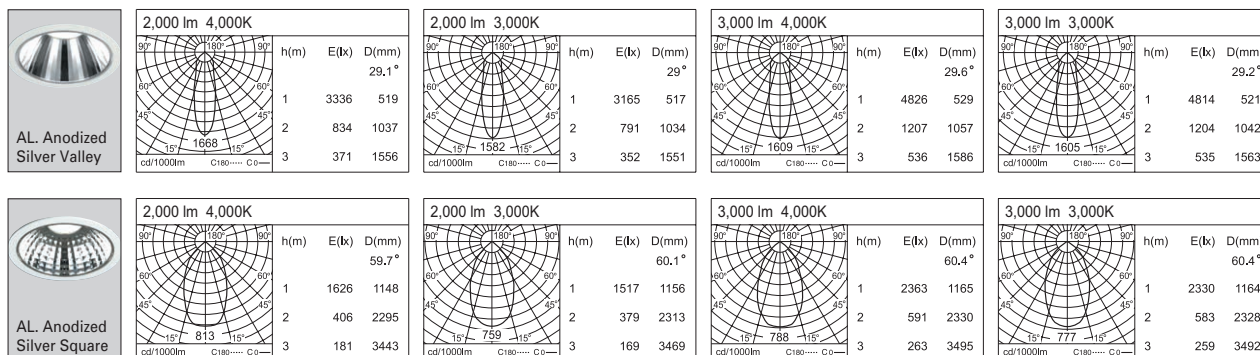
TYPE OF LED : LED MODULE



- TRIM AL. Die-Casting, Electrostatic Powder Coating
- FRAME Steel
- REFLECTOR AL. Anodized Specular Silver
- HEAT SINK AL. Die-Casting, Electro Deposition Coating
- OPTION Wireless Control (Bluetooth Module)

MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX CRI	OUTPUT CURRENT (mA)
DD-20020.01								
2,000lm	○ 4,000K	22W	19W	81 lm/w	1,784 lm	38V DC	80	500mA DC
2,000lm	● 3,000K	22W	19W	76 lm/w	1,688 lm	39V DC	80	500mA DC
DD-20022.01								
3,000lm	○ 4,000K	34W	30W	77 lm/w	2,595 lm	34V DC	80	700mA DC
3,000lm	● 3,000K	34W	31W	75 lm/w	2,559 lm	35V DC	80	700mA DC

OPERATING TEMPERATURE RANGE -20 to +40 °C
 MAINTENANCE OF LUMEN -L70 50,000 hours at 25 °C
 COLOR TEMPERATURE ○ 4,000K ● 3,000K



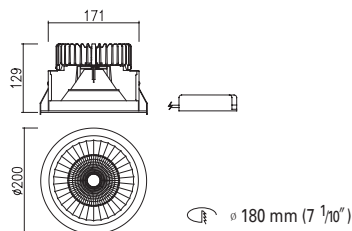
Reflex-D

Recessed Down Light

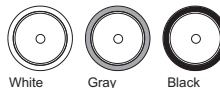



NEW

DD-20020.02



TYPE OF LED : COB 

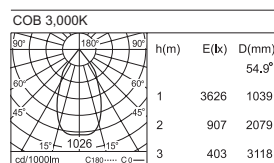
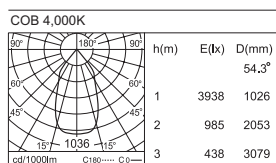


TRIM	AL. Die-Casting, Electrostatic Powder Coating
FRAME	Steel
REFLECTOR	PC (Vacuum Coating)
HEAT SINK	AL. Die-Casting, Electrostatic Powder Coating
OPTION	Wireless Control (Bluetooth Module) 

TYPE OF LED	COB
INPUT VOLTAGE	220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
3,000lm	○ 4,000K	32W	29W	103 lm/w	3,297 lm	35V DC	80	800mA DC
3,000lm	● 3,000K	32W	28W	95 lm/w	3,063 lm	35V DC	80	800mA DC

OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25 °C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	○ 4,000K ● 3,000K

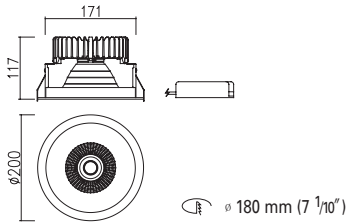


Reflex-D


Recessed Down Light

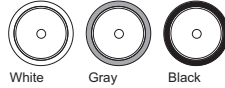



DD-20020.03



NEW

TYPE OF LED : COB 

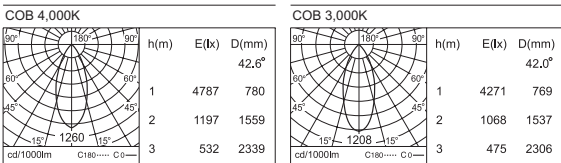


TRIM	AL. Die-Casting, Electrostatic Powder Coating
FRAME	Steel
REFLECTOR	PC (Vacuum Coating)
HEAT SINK	AL. Die-Casting, Electrostatic Powder Coating
OPTION	Wireless Control (Bluetooth Module) 

TYPE OF LED	COB
INPUT VOLTAGE	220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
3,000lm	○ 4,000K	32W	27W	97 lm/w	3,108 lm	35V DC	80	800mA DC
3,000lm	● 3,000K	32W	29W	85 lm/w	2,748 lm	35V DC	80	800mA DC

OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25 °C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	○ 4,000K ● 3,000K

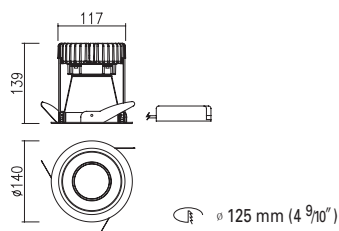


Reflex-D

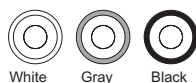
Recessed Down Light



DD-20040 SERIES



TYPE OF LED : LED MODULE

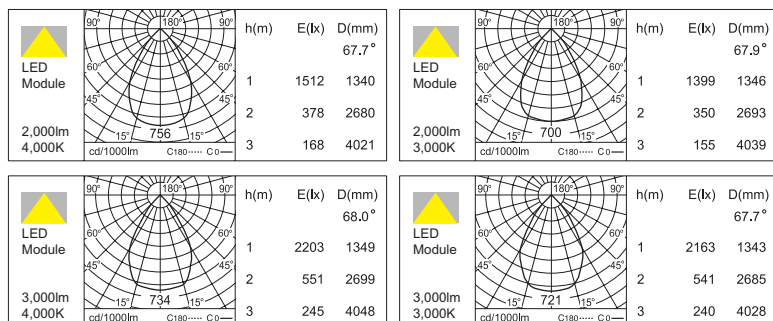


TRIM	AL. Die-Casting, Electrostatic Powder Coating
FRAME	Steel
REFLECTOR	AL. Anodized Specular Silver
HEAT SINK	AL. Die-Casting, Electro Deposition Coating
OPTION	Wireless Control (Bluetooth Module)

TYPE OF LED	LED MODULE
INPUT VOLTAGE	220-240V AC , 50-60Hz

MODULE	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
DD-20040								
2,000lm	○ 4,000K	22W	19W	77 lm/w	1,687 lm	38V DC	80	500mA DC
2,000lm	● 3,000K	22W	19W	70 lm/w	1,566 lm	39V DC	80	500mA DC
DD-20042								
3,000lm	○ 4,000K	34W	30W	74 lm/w	2,484 lm	34V DC	80	700mA DC
3,000lm	● 3,000K	34W	31W	71 lm/w	2,426 lm	35V DC	80	700mA DC

OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L70	50,000 hours at 25 °C
COLOR TEMPERATURE	○ 4,000K ● 3,000K

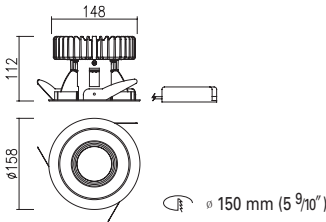


Reflex-D

Recessed Down Light



DD-20050 SERIES



TYPE OF LED : LED MODULE

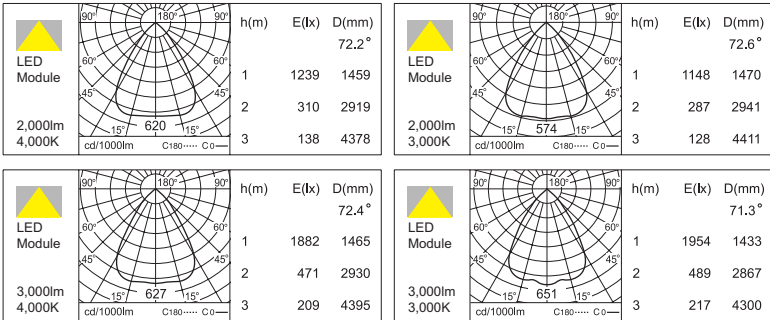


TRIM	AL. Die-Casting, Electrostatic Powder Coating
FRAME	Steel
REFLECTOR	AL. Anodized Specular Silver & PC
HEAT SINK	AL. Die-Casting, Electro Deposition Coating
LOUVER	ABS
OPTION	Wireless Control (Bluetooth Module)

TYPE OF LED	LED MODULE
INPUT VOLTAGE	220-240V AC , 50-60Hz

MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
DD-20050								
2,000lm	○ 4,000K	22W	19W	74 lm/w	1,639 lm	38V DC	80	500mA DC
2,000lm	● 3,000K	22W	19W	68 lm/w	1,523 lm	39V DC	80	500mA DC
DD-20052								
3,000lm	○ 4,000K	34W	30W	74 lm/w	2,425 lm	34V DC	80	700mA DC
3,000lm	● 3,000K	34W	31W	70 lm/w	2,407 lm	35V DC	80	700mA DC

OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L70	50,000 hours at 25 °C
COLOR TEMPERATURE	○ 4,000K ● 3,000K

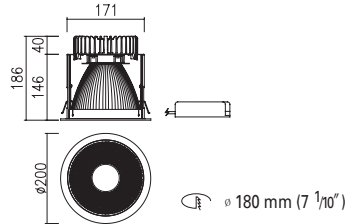


Reflex-D

Recessed Down Light



DD-20060 SERIES



TYPE OF LED : LED MODULE



White

Gray

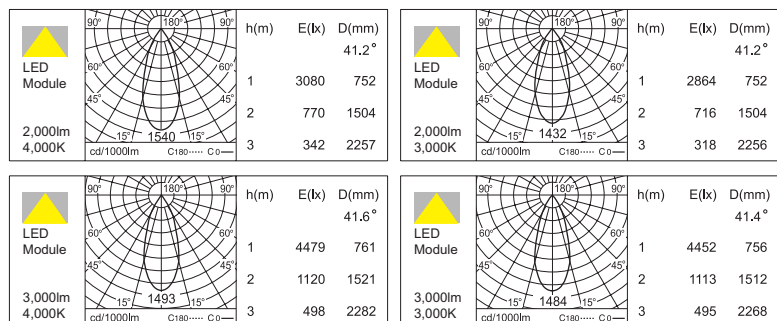
Black

TRIM	AL. Die-Casting, Electrostatic Powder Coating
FRAME	Steel
HEAT SINK	AL. Die-Casting, Electro Deposition Coating
REFLECTOR	AL. Anodized Valley with Embossing
OPTION	Wireless Control (Bluetooth Module)

TYPE OF LED	LED MODULE
INPUT VOLTAGE	220-240V AC , 50-60Hz

MODULE	COLOR	INPUT	OUTPUT	SYSTEM	LUMINOUS	OUTPUT	COLOR	OUTPUT
LUMINOUS FLUX	TEMPERATURE (K)	POWER (W)	POWER (W)	EFFICIENCY (lm/w)	FLUX (lm)	VOLTAGE (nominal)	RENDERING INDEX_CRI	CURRENT (mA)
DD-20060								
2,000lm	○ 4,000K	22W	19W	75 lm/w	1,660 lm	38V DC	80	500mA DC
2,000lm	● 3,000K	22W	19W	69 lm/w	1,542 lm	39V DC	80	500mA DC
DD-20062								
3,000lm	○ 4,000K	34W	30W	73 lm/w	2,430 lm	34V DC	80	700mA DC
3,000lm	● 3,000K	34W	31W	70 lm/w	2,403 lm	35V DC	80	700mA DC

OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L70	50,000 hours at 25 °C
COLOR TEMPERATURE	○ 4,000K ● 3,000K

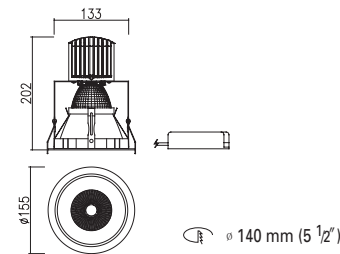


Reflex-D

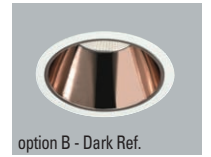
Recessed Down Light



DD-20070 SERIES



option A - AL. Ref.



option B - Dark Ref.

Dark Reflector Down Light
Glareless Reflector

TYPE OF LED : COB

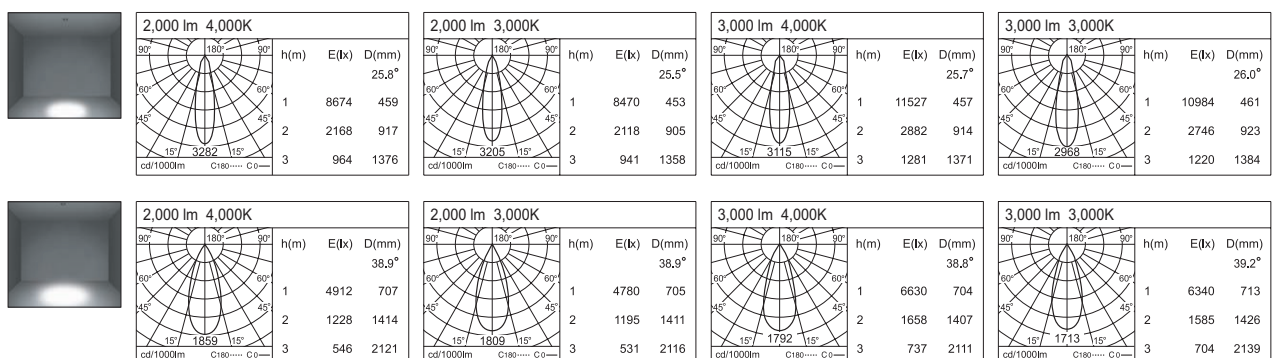


TRIM	AL. Die-Casting, Electrostatic Powder Coating
FRAME	Steel
REFLECTOR	AL. Anodized Specular Silver / or Dark Reflector
HEAT SINK	AL. Die-Casting, Electrostatic Powder Coating
OPTION	Wireless Control (Bluetooth Module)

TYPE OF LED	COB
INPUT VOLTAGE	220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

MODULE	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX CRI	OUTPUT CURRENT (mA)
DD-20070								
2,000lm	○ 4,000K	20W	17W	118 lm/w	2,352 lm	34V DC	80	500mA DC
2,000lm	● 3,000K	20W	16W	116 lm/w	2,284 lm	34V DC	80	500mA DC
DD-20071								
3,000lm	○ 4,000K	28W	24W	113 lm/w	3,167 lm	35V DC	80	700mA DC
3,000lm	● 3,000K	28W	24W	110 lm/w	3,056 lm	35V DC	80	700mA DC

OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25 °C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	○ 4,000K ● 3,000K

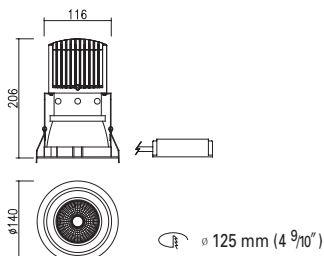


Reflex-D

Recessed Down Light / High Wattage Down Light



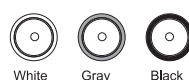
DD-20090 SERIES



TYPE OF LED : COB 



 1.0 kg

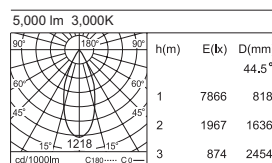
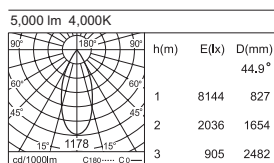
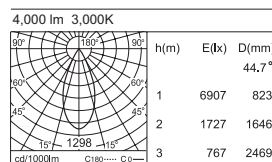
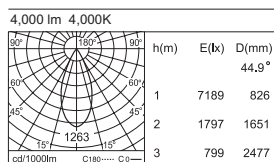


TRIM	AL. Die-Casting, Electrostatic Powder Coating
FRAME	Steel
REFLECTOR	AL. Anodized Fog Coating
HEAT SINK	AL. Die-Casting, Electrostatic Powder Coating
OPTION	Wireless Control (Bluetooth Module) 

TYPE OF LED	COB
INPUT VOLTAGE	220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

MODULE	COLOR	INPUT	OUTPUT	SYSTEM	LUMINOUS	OUTPUT	COLOR	OUTPUT
LUMINOUS FLUX	TEMPERATURE (K)	POWER (W)	POWER (W)	EFFICIENCY (lm/W)	FLUX (lm)	VOLTAGE (nominal)	RENDERING INDEX_CRI	CURRENT (mA)
DD-20090								
4,000 lm	○ 4,000K	45W	40W	91 lm/W	4,124 lm	35V DC	80	1,150mA DC
4,000 lm	● 3,000K	44W	39W	90 lm/W	3,968 lm	34V DC	80	1,150mA DC
DD-20091								
5,000 lm	○ 4,000K	55W	49W	85 lm/W	4,688 lm	36V DC	80	1,400mA DC
5,000 lm	● 3,000K	54W	48W	83 lm/W	4,485 lm	35V DC	80	1,400mA DC

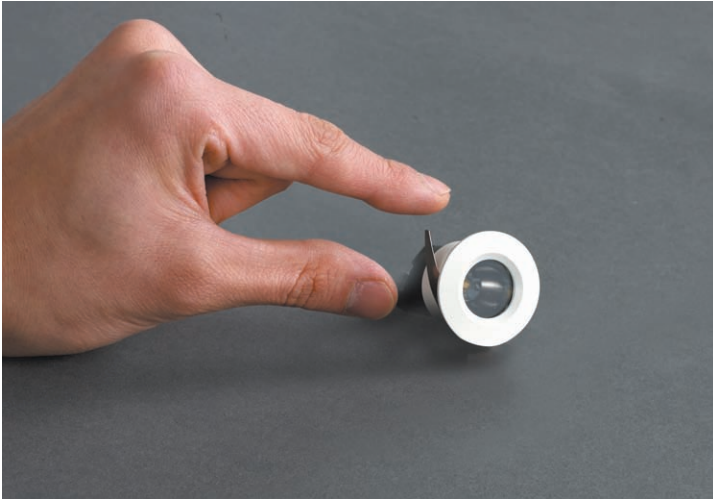
OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25 °C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	○ 4,000K ● 3,000K





Reflex-MP

Recessed Moisture Proof Down Light



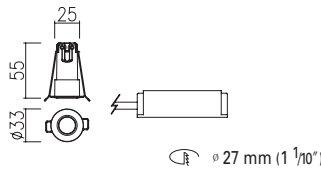
**** OPTION**

In case of using to moisture proof area,
PC front cover is necessary.
If you need it, please contact sales team in advance.

- 방습을 원하는 공간에 설치시
PC커버가 필요한 제품이니, 주문시 문의 주십시오.



DD-11000



NEW

TYPE OF LED : POWER LED



TRIM AL. Die-Casting, Electrostatic Powder Coating
HEAT SINK AL. Die-Casting, Electrostatic Powder Coating
ACCESSORY Beam angle LENS Type
BEAM ANGLE 15°, 20°, 30°, 40°

TYPE OF LED POWER LED
INPUT VOLTAGE 220-240V AC, 50-60Hz (option : 100-240V AC, 50-60Hz)

COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
3,000K	3W	2W	34 lm/w	101 lm	3V DC	80	570mA DC

OPERATING TEMPERATURE RANGE -20 to +40°C
MAINTENANCE OF LUMEN -L70 50,000 hours at 25°C
COLOR RENDERING INDEX 80, 90
COLOR TEMPERATURE 5,000K 4,000K 3,000K



3,000K

h(m)	E(lx)	D(mm)
1	1342	202
2	335	405
3	149	607



3,000K

h(m)	E(lx)	D(mm)
1	1234	278
2	308	555
3	137	833



3,000K

h(m)	E(lx)	D(mm)
1	499	469
2	125	937
3	55	1406



3,000K

h(m)	E(lx)	D(mm)
1	190	631
2	47	1261
3	21	1892



3,000K

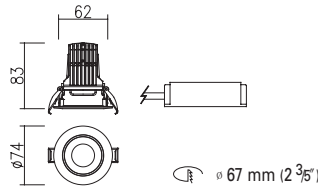
h(m)	E(lx)	D(mm)
1	146	715
2	36	1431
3	16	2146

Reflex-MP

Recessed Moisture Proof Down Light / Non Glare Reflector



DD-12090



TYPE OF LED : COB



**** OPTION**

In case of using to moisture proof area,
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PC커버가 필요한 제품이니, 주문시 문의 주십시오.

TRIM

HEAT SINK

OPTION

AL. Die-Casting, Electrostatic Powder Coating

AL. Die-Casting, Electrostatic Powder Coating

Wireless Control (Bluetooth Module)

TYPE OF LED

INPUT VOLTAGE

COB

220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
500lm	3,000K	8W	7W	54 lm/w	409 lm	37V DC	80	180mA DC

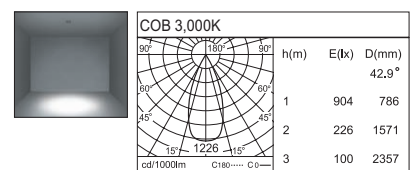
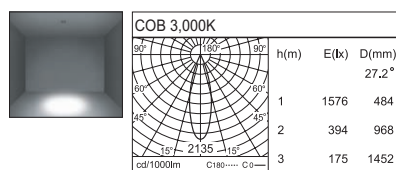
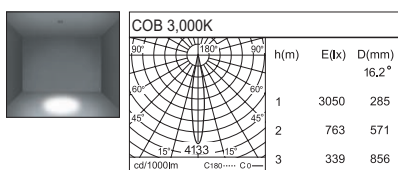
OPERATING TEMPERATURE RANGE -20 to +40 °C

MAINTENANCE OF LUMEN -L80 50,000 hours at 25 °C

COLOR RENDERING INDEX 80, 90

COLOR TEMPERATURE ○ 4,000K ● 3,000K

REFLECTOR

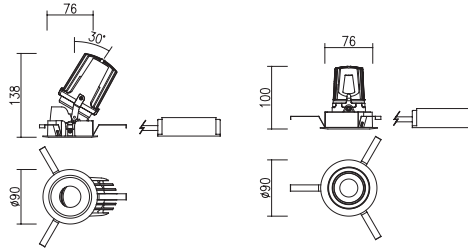


Reflex-MP

Recessed Moisture Proof Down Light / Non Glare Reflector



DD-12100.03 / DD-12100.04



DD-12100.03

DD-12100.04

⌀ 80 mm (3 1/5")

TYPE OF LED : COB



**** OPTION**

In case of using to moisture proof area,
PC front cover is necessary.
If you need it, please contact sales team in advance.

- 방습을 원하는 공간에 설치시
- PC커버가 필요한 제품이오니, 주문시 문의 주십시오.

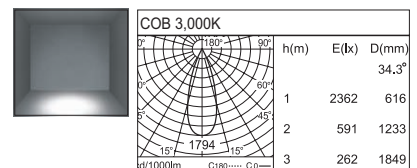
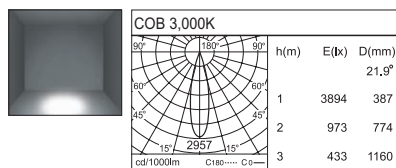
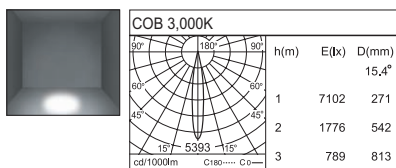
- TRIM AL. Die-Casting, Electrostatic Powder Coating
- ADJUSTABLE RING PC, Adjustable Angle (Tilt ∠30°)
- HEAT SINK AL. Die-Casting, Electrostatic Powder Coating
- OPTION Wireless Control (Bluetooth Module)

TYPE OF LED COB
INPUT VOLTAGE 220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

MODULE LUMINOUS FLUX	OUTPUT POWER (W)	COLOR TEMPERATURE (K)	INPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX CRI	OUTPUT CURRENT (mA)
1,000lm	3,000K	12W	10W	65 lm/w	743 lm	34V DC	80	290mA DC

- OPERATING TEMPERATURE RANGE -20 to +40°C
- MAINTENANCE OF LUMEN -L80 50,000 hours at 25°C
- COLOR RENDERING INDEX 80, 90
- COLOR TEMPERATURE ○ 4,000K ● 3,000K

REFLECTOR

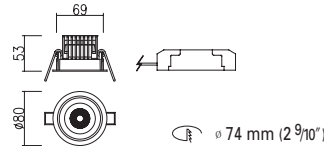



Reflex-MP

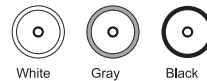
Recessed Moisture Proof Down Light



DD-12110



TYPE OF LED : COB 



**** OPTION**

In case of using to moisture proof area,
PC front cover is necessary.
If you need it, please contact sales team in advance.

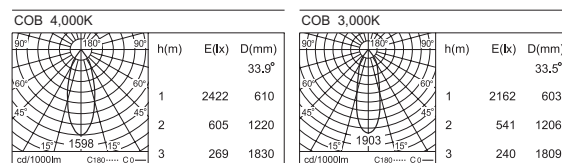
- 방습을 원하는 공간에 설치시
PC커버가 필요한 제품이오니, 주문시 문의 주십시오.

TRIM	AL. Die-Casting, Electrostatic Powder Coating
REFLECTOR	PC (Vacuum Coating)
HEAT SINK	AL. Die-Casting, Electrostatic Powder Coating

TYPE OF LED	COB
INPUT VOLTAGE	220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

MODULE	COLOR	INPUT	OUTPUT	SYSTEM	LUMINOUS	OUTPUT	COLOR	OUTPUT
LUMINOUS FLUX	TEMPERATURE (K)	POWER (W)	POWER (W)	EFFICIENCY (lm/w)	FLUX (lm)	VOLTAGE (nominal)	RENDERING INDEX_CRI	CURRENT (mA)
1,000lm	○ 4,000K	11W	8W	105 lm/w	1,106 lm	34V DC	80	250mA DC
1,000lm	● 3,000K	11W	8W	94 lm/w	987 lm	34V DC	80	250mA DC

OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25 °C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	○ 4,000K ● 3,000K

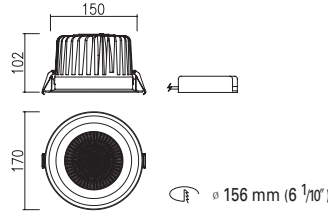


Reflex-MP

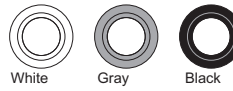
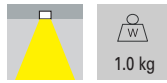
Recessed Moisture Proof Down Light



DD-12210 SERIES



TYPE OF LED : COB



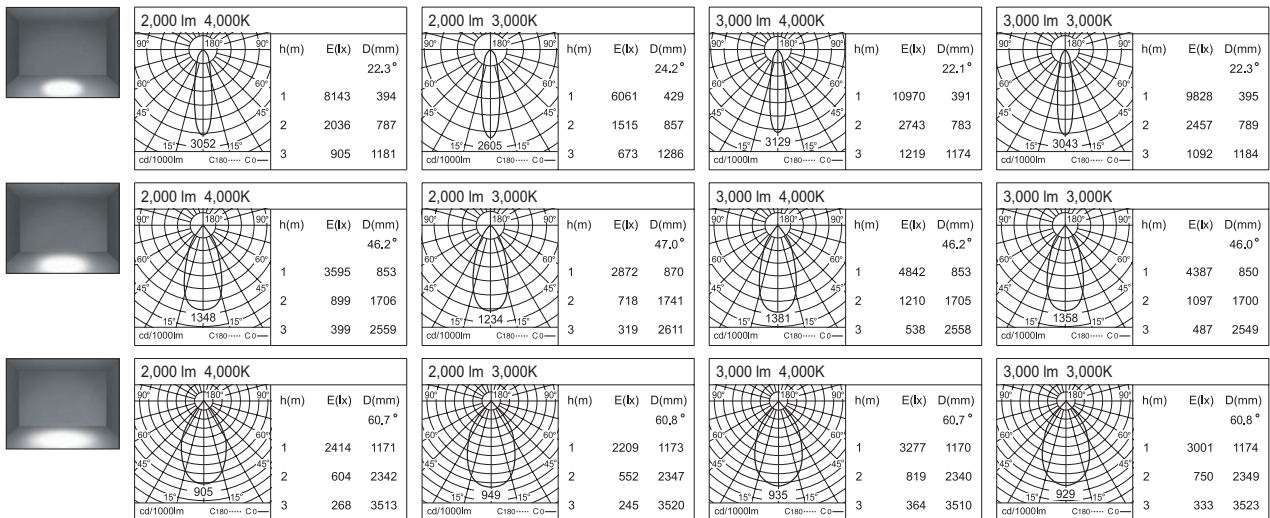
**** OPTION**
In case of using to moisture proof area,
Glass front cover is necessary.
If you need it, please contact sales team in advance.
- 방습을 원하는 공간에 설치시
PC커버가 필요한 제품이니, 주문시 문의 주십시오.

TRIM AL. Die-Casting, Electrostatic Powder Coating
HEAT SINK AL. Die-Casting, Electrostatic Powder Coating
REFLECTOR AL. Anodized Specular Silver
COVER Clear Tempered Glass

TYPE OF LED COB
INPUT VOLTAGE 220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
DD-12210								
2,000lm	○ 4,000K	19W	16W	121 lm/w	2,340 lm	33V DC	80	500mA DC
2,000lm	● 3,000K	19W	16W	97 lm/w	1,881 lm	33V DC	80	500mA DC
DD-12211								
3,000lm	○ 4,000K	27W	24W	117 lm/w	3,154 lm	34V DC	80	700mA DC
3,000lm	● 3,000K	27W	23W	104 lm/w	2,840 lm	34V DC	80	700mA DC

OPERATING TEMPERATURE RANGE -20 to +40 °C
MAINTENANCE OF LUMEN -L80 50,000 hours at 25 °C
COLOR RENDERING INDEX 80, 90
COLOR TEMPERATURE ○ 4,000K ● 3,000K

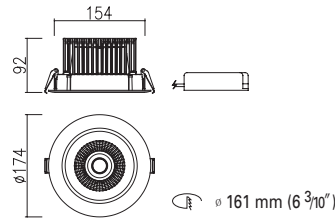


Reflex-MP

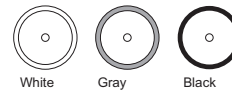
Recessed Moisture Proof Down Light



DD-12240 SERIES



TYPE OF LED : COB 



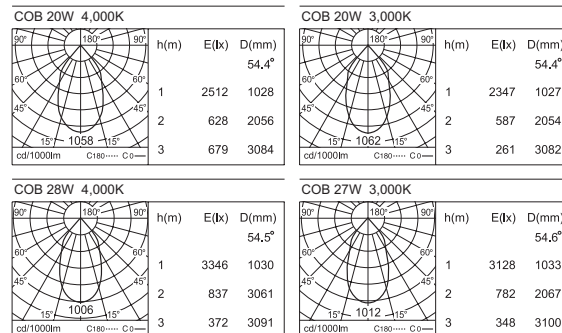
**** OPTION**
In case of using to moisture proof area,
Glass front cover is necessary.
If you need it, please contact sales team in advance.
- 방습을 원하는 공간에 설치시
PC커버가 필요한 제품이니, 주문시 문의 주십시오.

TRIM AL. Die-Casting, Electrostatic Powder Coating
HEAT SINK AL. Die-Casting, Electrostatic Powder Coating
REFLECTOR PC (Vacumm Coating)
COVER Clear Tempered Glass

TYPE OF LED COB
INPUT VOLTAGE 220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

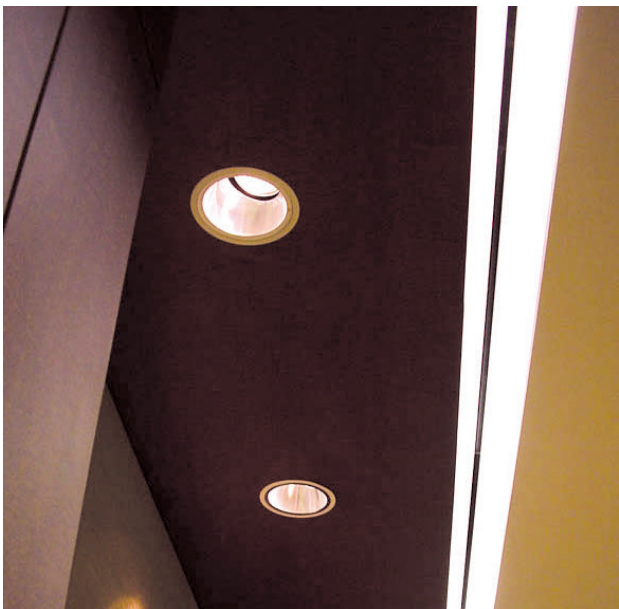
MODULE	COLOR	INPUT	OUTPUT	SYSTEM	LUMINOUS	OUTPUT	COLOR	OUTPUT
LUMINOUS	TEMPERATURE	POWER	POWER	EFFICIENCY	FLUX	VOLTAGE	RENDERING	CURRENT
FLUX	(K)	(W)	(W)	(lm/w)	(lm)	(nominal)	INDEX_CRI	(mA)
DD-12240								
2,000lm	○ 4,000K	20W	16W	108 lm/w	2,158 lm	34V DC	80	500mA DC
2,000lm	● 3,000K	20W	16W	104 lm/w	2,030 lm	33V DC	80	500mA DC
DD-12241								
3,000lm	○ 4,000K	28W	24W	103 lm/w	2,876 lm	35V DC	80	700mA DC
3,000lm	● 3,000K	27W	24W	99 lm/w	2,707 lm	34V DC	80	700mA DC

OPERATING TEMPERATURE RANGE -20 to +40 °C
MAINTENANCE OF LUMEN -L80 50,000 hours at 25 °C
COLOR RENDERING INDEX 80, 90
COLOR TEMPERATURE ○ 4,000K ● 3,000K



Reflex-WW
DD-26500 SERIES

Wall Washer Down Light

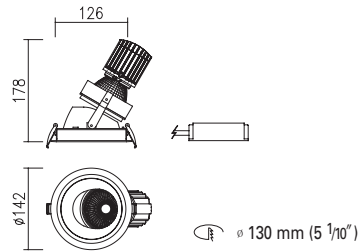


Reflex-WW

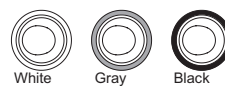
Recessed Wall Washer Down Light



DD-26500.01



TYPE OF LED : COB 

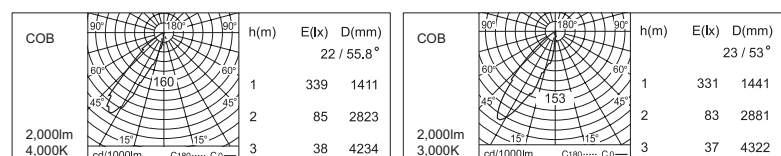


TRIM	AL. Die-Casting, Electrostatic Powder Coating
ADJUSTABLE RING	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 30^\circ$)
MOUNTING RING	AL. Die-Casting, Electrostatic Powder Coating
REFLECTOR	AL. Anodized Specular Silver
HEAT SINK	AL. Die-Casting, Electrostatic Powder Coating
OPTION	Wireless Control (Bluetooth Module) 

TYPE OF LED	COB
INPUT VOLTAGE	220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
2,000lm	○ 4,000K	19W	16W	76 lm/w	1,414 lm	34V DC	80	500mA DC
2,000lm	● 3,000K	19W	16W	70 lm/w	1,299 lm	34V DC	80	500mA DC

OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25 °C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	○ 4,000K ● 3,000K

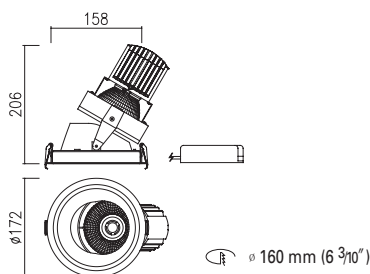


Reflex-WW

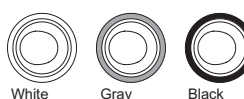
Recessed Wall Washer Down Light



DD-26510 SERIES



TYPE OF LED : COB 

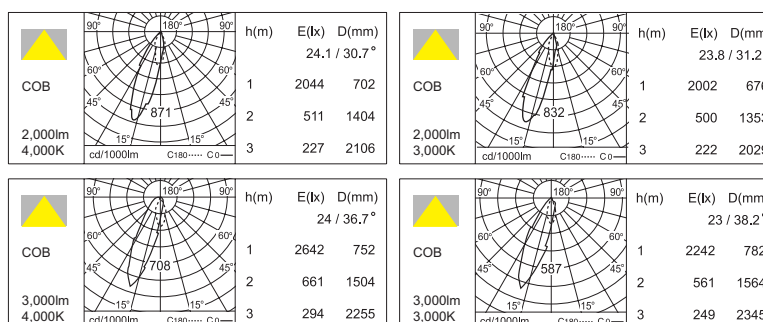


TRIM	AL. Die-Casting, Electrostatic Powder Coating
ADJUSTABLE RING	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 30^\circ$)
MOUNTING RING	AL. Die-Casting, Electrostatic Powder Coating
REFLECTOR	AL. Anodized Specular Silver
HEAT SINK	AL. Die-Casting, Electrostatic Powder Coating
OPTION	Wireless Control (Bluetooth Module) 

TYPE OF LED	COB
INPUT VOLTAGE	220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

MODULE	COLOR	INPUT	OUTPUT	SYSTEM	LUMINOUS	OUTPUT	COLOR	OUTPUT
LUMINOUS	TEMPERATURE	POWER	POWER	EFFICIENCY	FLUX	VOLTAGE	RENDERING	CURRENT
FLUX	(K)	(W)	(W)	(lm/w)	(lm)	(nominal)	INDEX_CRI	(mA)
DD-26510								
2,000 lm	○ 4,000K	19W	16W	77 lm/w	1,430 lm	34V DC	80	500mA DC
2,000 lm	● 3,000K	19W	16W	81 lm/w	1,519 lm	34V DC	80	500mA DC
DD-26511								
3,000 lm	○ 4,000K	26W	23W	83 lm/w	2,113 lm	34V DC	80	700mA DC
3,000 lm	● 3,000K	26W	23W	82 lm/w	2,103 lm	34V DC	80	700mA DC

OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25 °C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	○ 4,000K ● 3,000K

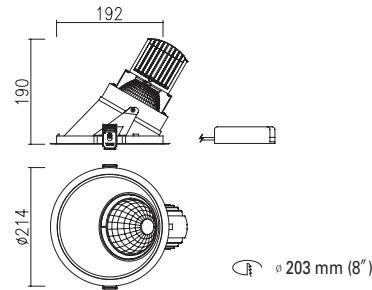



Reflex-WW

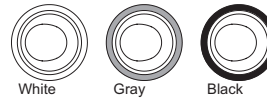
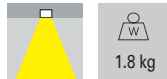
Recessed Wall Washer Down Light




DD-26520 SERIES



TYPE OF LED : COB 

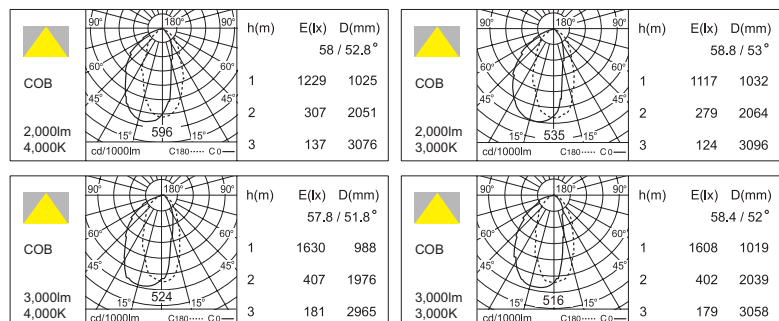


TRIM	AL. Die-Casting, Electrostatic Powder Coating
MOUNTING RING	AL. Die-Casting, Electrostatic Powder Coating
COVER	PC
REFLECTOR	Inner : AL. Anodized / Outer : ABS
HEAT SINK	AL. Die-Casting, Electrostatic Powder Coating
OPTION	Wireless Control (Bluetooth Module) 

TYPE OF LED	COB
INPUT VOLTAGE	220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

MODULE	COLOR	INPUT	OUTPUT	SYSTEM	LUMINOUS	OUTPUT	COLOR	OUTPUT
LUMINOUS FLUX	TEMPERATURE (K)	POWER (W)	POWER (W)	EFFICIENCY (lm/w)	FLUX (lm)	VOLTAGE (nominal)	RENDERING INDEX_CRI	CURRENT (mA)
DD-26520								
2,000 lm	○ 4,000K	19W	16W	76 lm/w	1,414 lm	34V DC	80	500mA DC
2,000 lm	● 3,000K	19W	16W	71 lm/w	1,319 lm	34V DC	80	500mA DC
DD-26521								
3,000 lm	○ 4,000K	26W	23W	76 lm/w	1,938 lm	34V DC	80	700mA DC
3,000 lm	● 3,000K	26W	23W	74 lm/w	1,881 lm	34V DC	80	700mA DC

OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25 °C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	○ 4,000K ● 3,000K



GOGGLE LED DOWN SPOT



HORIZONTAL **355°**



VERTICAL **30°**

Goggle

RECESSED DOWN SPOT



19 / 27W (CRI 80, >90)

2,000lm / 3,000lm

COB



28W / 40W (CRI 80)

2,800lm / 4,300lm

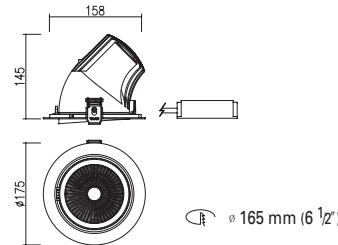
LED LAMP

Goggle

Recessed Down Spot



DDS-27500 series



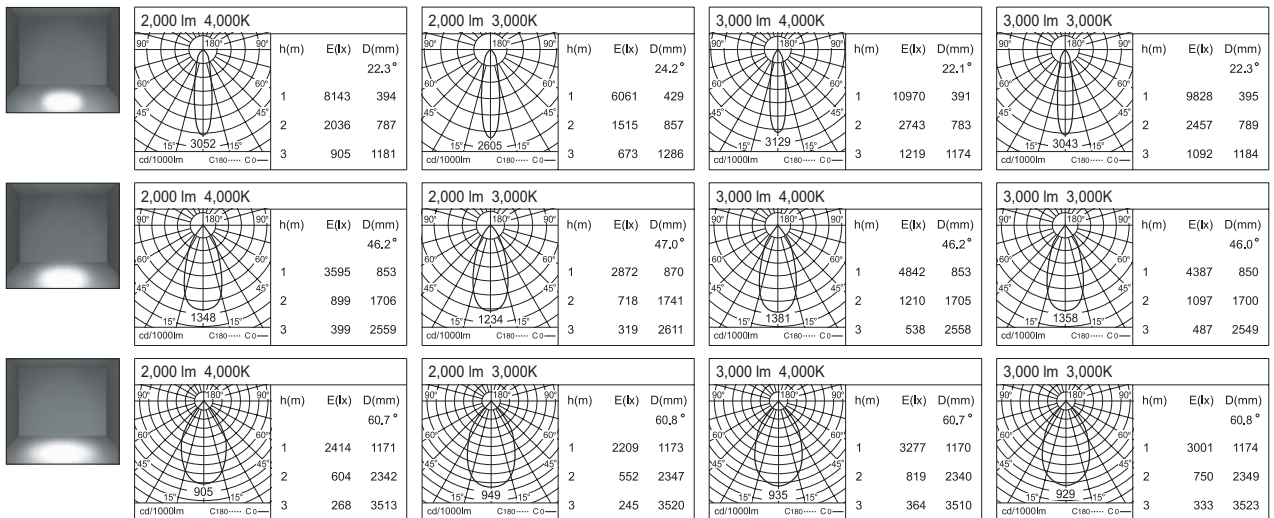
TYPE OF LED : COB

TRIM	AL. Die-Casting, Electrostatic Powder Coating
LED HOUSING & HEAT SINK	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 30^\circ$)
MOUNTING RING	AL. Die-Casting, Electrostatic Powder Coating
REFLECTOR	AL. Anodized Specular Silver
OPTION	Wireless Control (Bluetooth Module)

TYPE OF LED: COB
INPUT VOLTAGE: 220-240V AC, 50-60Hz (option : 100-240V AC, 50-60Hz)

MODULE	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
DDS-27500								
2,000lm	○ 4,000K	19W	16W	121 lm/w	2,340 lm	33V DC	80	500mA DC
2,000lm	● 3,000K	19W	16W	97 lm/w	1,881 lm	33V DC	80	500mA DC
DDS-27501								
3,000lm	○ 4,000K	27W	24W	117 lm/w	3,154 lm	34V DC	80	700mA DC
3,000lm	● 3,000K	27W	23W	104 lm/w	2,840 lm	34V DC	80	700mA DC

OPERATING TEMPERATURE RANGE: -20 to +40 °C
 MAINTENANCE OF LUMEN -L80: 50,000 hours at 25 °C
 COLOR RENDERING INDEX: 80, 90
 COLOR TEMPERATURE: ○ 4,000K ● 3,000K

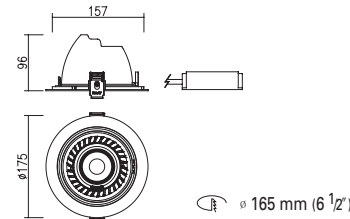


Goggle

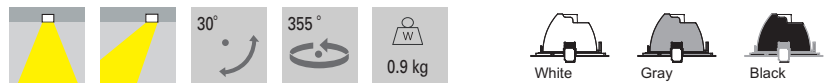
Recessed Down Spot



DDS-27511 series



TYPE OF LED : LED LAMP

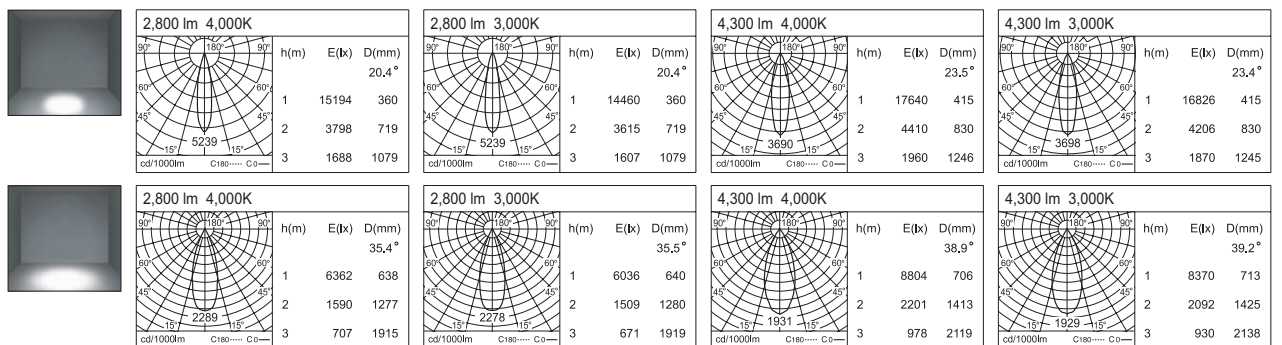


TRIM	AL. Die-Casting, Electrostatic Powder Coating
LED HOUSING	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 30^\circ$)
MOUNTING RING	AL. Die-Casting, Electrostatic Powder Coating
OPTION	Wireless Control (Bluetooth Module)

TYPE OF LED	LED LAMP (CN111-COB)
BEAM ANGLE	24°, 40°
INPUT VOLTAGE	220-240V AC , 50-60Hz


MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
DDS-27511								
2,800lm	○ 4,000K	28W	25W	104 lm/w	2,928 lm	36V DC	80	700mA DC
2,800lm	● 3,000K	28W	25W	99 lm/w	2,787 lm	36V DC	80	700mA DC
DDS-27512								
4,300lm	○ 4,000K	40W	35W	121 lm/w	4,797 lm	35V DC	80	1,050mA DC
4,300lm	● 3,000K	40W	35W	115 lm/w	4,571 lm	35V DC	80	1,050mA DC

LED LIFETIME	30,000 hours
COLOR RENDERING INDEX_CRI	80
COLOR TEMPERATURE	○ 4,000K ● 3,000K




FLOW LED DOWN SPOT



DDS-27600 

7W
POWER LED



DDS-27610.01 

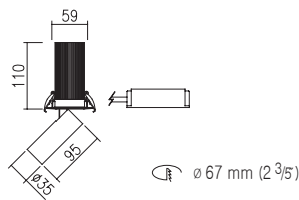
24W
COB

DDS-27610.02

1,400lm
LED LAMP

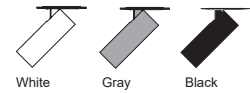
Flow POWER LEDTYPE

Recessed Down Light / Down Spot Light



NEW DDS-27600 COB 7W

TYPE OF LED : POWER LED

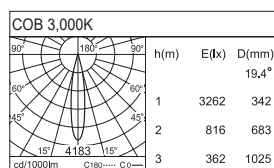


TRIM	AL. Die-Casting, Electrostatic Powder Coating
ADJUSTABLE PLATE	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Rotate $\angle 355^\circ$)
HOUSING	AL. Extrude, Electrostatic Powder Coating. Adjustable Angle (Tilt $\angle 90^\circ$)
MOUNTING RING	AL. Extrude, Electrostatic Powder Coating
HEAT SINK	AL. Extrude, Electrostatic Powder Coating
REFLECTOR	LENS
OPTION	Wireless Control (Bluetooth Module)

TYPE OF LED	COB
INPUT VOLTAGE	220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

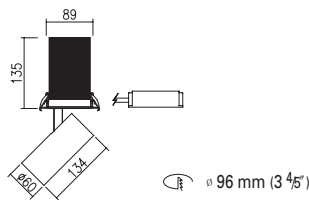
OUTPUT POWER (W)	COLOR TEMPERATURE (K)	INPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
7W	3,000K	5W	62 lm/w	451 lm	12V DC	80	450mA DC

OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L70	50,000 hours at 25 °C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	5.000K 4,000K 3,000K



Flow LENS TYPE

Recessed Down Light / Down Spot Light



NEW DDS-27610.01 COB 24W

TYPE OF LED : COB



White

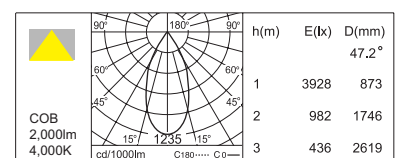
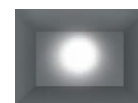
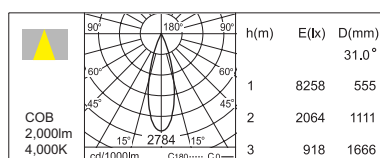
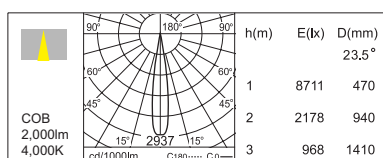
Gray

Black

TRIM	AL. Die-Casting, Electrostatic Powder Coating
ADJUSTABLE PLATE	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Rotate $\angle 355^\circ$)
HOUSING	AL. Extrude, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 90^\circ$)
MOUNTING RING	AL. Extrude, Electrostatic Powder Coating
HEAT SINK	AL. Extrude, Electrostatic Powder Coating
REFLECTOR	LENS
OPTION	Wireless Control (Bluetooth Module)

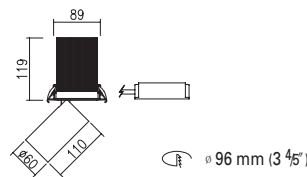
MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
2,000 lm	3,000K	24W	21W	112 lm/w	2,676 lm	35V DC	80	600mA DC

OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25 °C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	○ 4,000K ● 3,000K



Flow LED LAMP TYPE

Recessed Down Light / Down Spot Light



NEW DDS-27610.02 LED LAMP 15W

TYPE OF LED : LED LAMP



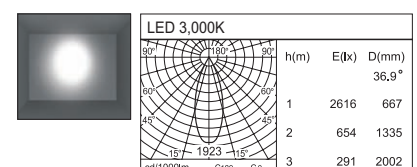
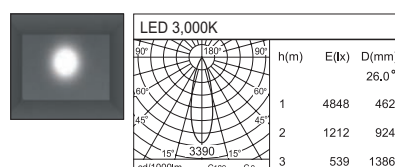
White Gray Black

TRIM	AL. Die-Casting, Electrostatic Powder Coating
ADJUSTABLE PLATE	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Rotate $\angle 355^\circ$)
HOUSING	AL. Extrude, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 90^\circ$)
MOUNTING RING	AL. Extrude, Electrostatic Powder Coating
OPTION	Wireless Control (Bluetooth Module)

TYPE OF LED	LED LAMP (CN50-COB)
BEAM ANGLE	24°, 40°
INPUT VOLTAGE	220-240V AC , 50-60Hz

MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX CRI	OUTPUT CURRENT (mA)
1,400lm	● 3,000K	15W	13W	94 lm/w	1,387 lm	37V DC	80	350mA DC

LED LIFETIME	30,000 hours
COLOR RENDERING INDEX	80
COLOR TEMPERATURE	○ 4,000K ● 3,000K

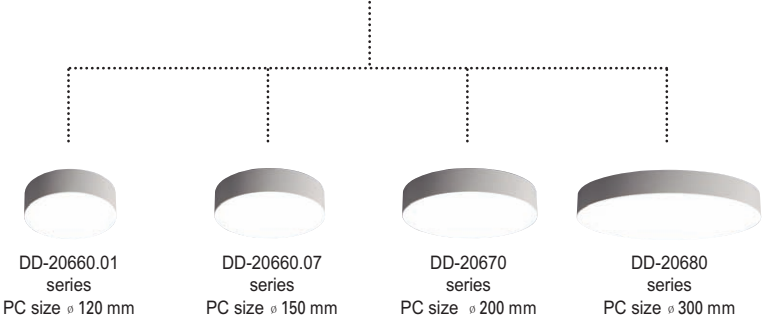


ABACO-D LED DOWN LIGHT

Designed by Carlo Tamborini



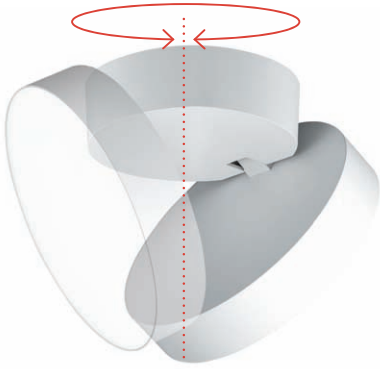
Abaco-D (Type of LED : SMD)



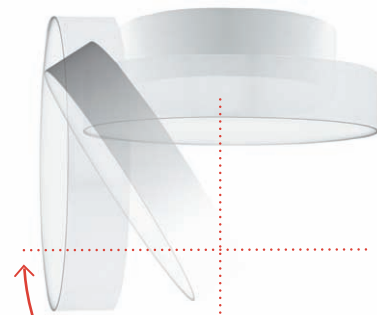
Recessed Light		✓		✓	
Surface Mounted Light		✓		✓	✓
Recessed Light		✓		✓	✓
Recessed Light		✓		✓	✓
Surface Mounted Light & Wall Bracket Light			✓	✓	

Abaco-D

Surface Mounted Down Light
& Wall Bracket Light



HORIZONTAL **355°**



VERTICAL **85°**



DD-20660.07 \varnothing 150 (page.237)



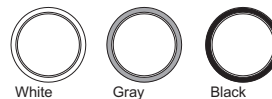
DD-20670.07 \varnothing 200 (page.239)

Abaco-D


DD-20660 series



TYPE OF LED : SMD 



TRIM & LED HOUSING
COVER
OPTION

AL. Die-Casting, Electrostatic Powder Coating
PC
Wireless Control (Bluetooth Module) 

TYPE OF LED

SMD

INPUT VOLTAGE

220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
DD-20660.01 / DD-20660.03 / DD-20660.04							
○ 5,000K	13W	11W	91 lm/W	1,177 lm	31V DC	80	350mA DC
○ 4,000K	13W	11W	89 lm/W	1,152 lm	31V DC	80	350mA DC
● 3,000K	13W	11W	87 lm/W	1,135 lm	30V DC	80	350mA DC
DD-20660.07							
○ 5,000K	18W	16W	103 lm/w	1,892 lm	23V DC	80	700mA DC
○ 4,000K	18W	16W	99 lm/w	1,797 lm	23V DC	80	700mA DC
● 3,000K	18W	16W	98 lm/w	1,751 lm	23V DC	80	700mA DC

OPERATING TEMPERATURE RANGE

-20 to +40 °C

MAINTENANCE OF LUMEN -L70

50,000 hours at 25 °C

COLOR RENDERING INDEX

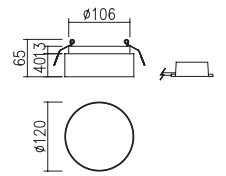
80, 90

COLOR TEMPERATURE

○ 5,000K ○ 4,000K ● 3,000K



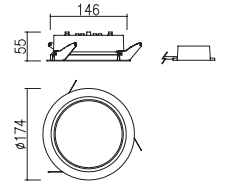
DD-20660.01 LED 13W (48 LED)



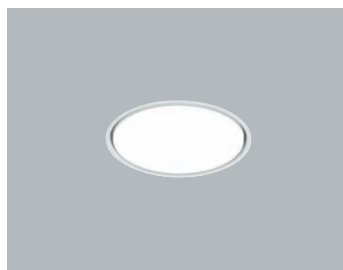
0.4 kg \varnothing 112mm (4 25")



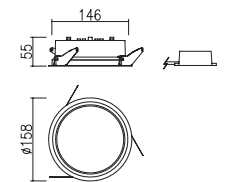
DD-20660.03 LED 13W (48 LED)



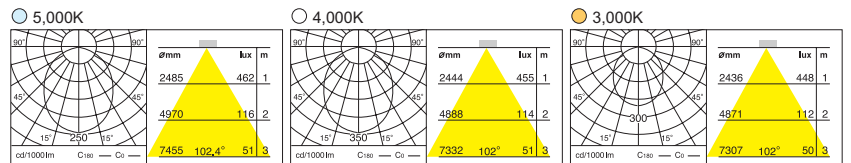
0.4 kg \varnothing 151mm (5 9/10")



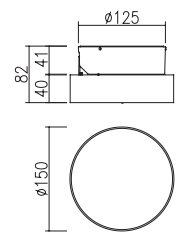
DD-20660.04 LED 13W (48 LED)



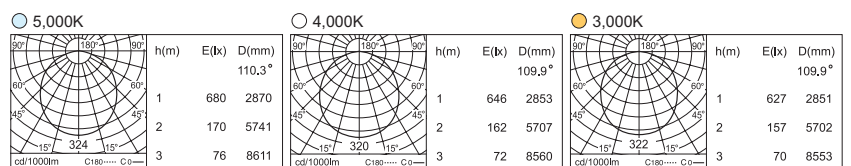
0.4 kg \varnothing 151mm (5 9/10")



DD-20660.07 LED 18W (55 LED)




0.8 kg

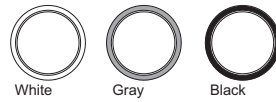
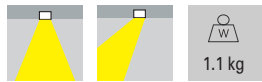


Abaco-D


DD-20670 series



TYPE OF LED : SMD 



TRIM & LED HOUSING
COVER
OPTION

AL. Die-Casting, Electrostatic Powder Coating
PC
Wireless Control (Bluetooth Module) 
Tunable Color Temperature

TYPE OF LED SMD
INPUT VOLTAGE 220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

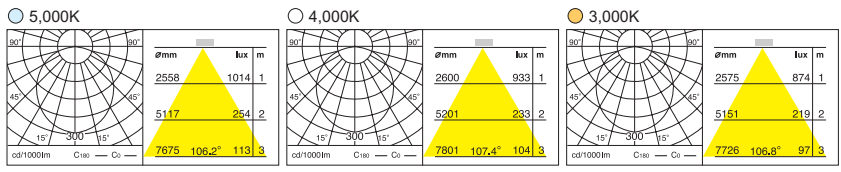
COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX CRI	OUTPUT CURRENT (mA)
5,000K	27W	23W	100 lm/W	2,693 lm	33V DC	80	700mA DC
4,000K	27W	23W	93 lm/W	2,513 lm	33V DC	80	700mA DC
3,000K	27W	23W	87 lm/W	2,340 lm	33V DC	80	700mA DC


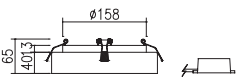
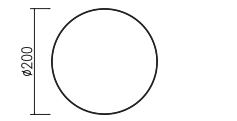


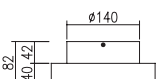


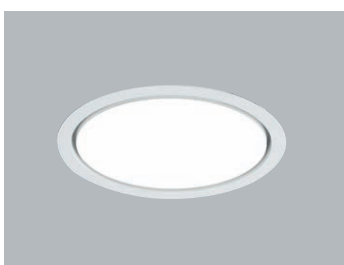
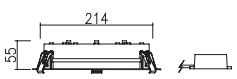
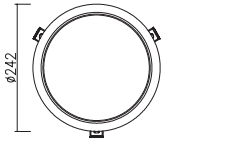


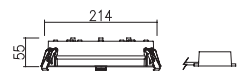
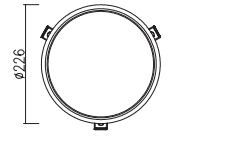


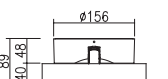
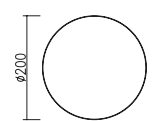

OPERATING TEMPERATURE RANGE -20 to +40 °C
 MAINTENANCE OF LUMEN -L70 50,000 hours at 25 °C
 COLOR RENDERING INDEX 80, 90
 COLOR TEMPERATURE 5,000K 4,000K 3,000K

DD-20671 SERIES

▶ OPTION ◀
Tunable Color Temperature

INPUT POWER 32W
 INPUT VOLTAGE 100-240V AC , 50-60Hz
 OUTPUT CURRENT 158mA DC
 COLOR TEMPERATURE 2,700K~5,700K
 DRIVER Dimmable Driver




	DD-20670.01	LED 27W (66 LED)	
	DD-20671.01	LED 32W (132 LED) (Tunable Color Temperature)	
	 ø 164mm (6 1/2")		
	DD-20670.02	LED 27W (66 LED)	
	DD-20671.02	LED 32W (132 LED) (Tunable Color Temperature)	
	 ø 164mm (6 1/2")		
	DD-20670.03	LED 27W (66 LED)	
	DD-20671.03	LED 32W (132 LED) (Tunable Color Temperature)	
	 ø 219mm (8 3/5")		
	DD-20670.04	LED 27W (66 LED)	
	DD-20671.04	LED 32W (132 LED) (Tunable Color Temperature)	
	 ø 219mm (8 3/5")		
	DD-20670.07	LED 27W (66 LED)	
	DD-20671.07	LED 32W (132 LED) (Tunable Color Temperature)	
			

Abaco-D

DD-20680 series



TYPE OF LED : SMD 




White

Gray

Black

TRIM & LED HOUSING
COVER
OPTION

AL. Die-Casting, Electrostatic Powder Coating
PC
Wireless Control (Bluetooth Module) 

TYPE OF LED

SMD

INPUT VOLTAGE

220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX CRI	OUTPUT CURRENT (mA)
○ 5,000K	36W	32W	106 lm/W	3,808 lm	34V DC	80	925mA DC
○ 4,000K	36W	31W	106 lm/W	3,723 lm	34V DC	80	925mA DC
● 3,000K	35W	31W	104 lm/W	3,667 lm	34V DC	80	925mA DC

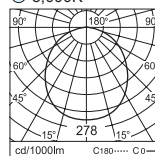
OPERATING TEMPERATURE RANGE -20 to +40 °C

MAINTENANCE OF LUMEN -L70 50,000 hours at 25 °C

COLOR RENDERING INDEX 80, 90

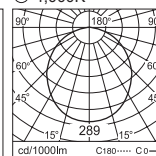
COLOR TEMPERATURE ○ 5,000K ○ 4,000K ● 3,000K

○ 5,000K



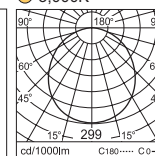
h(m)	E(lx)	D(mm)
1	1382	2815
2	345	5630
3	154	8445

○ 4,000K



h(m)	E(lx)	D(mm)
1	1353	2796
2	338	5592
3	150	8388

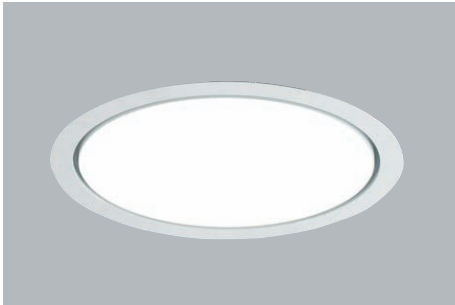
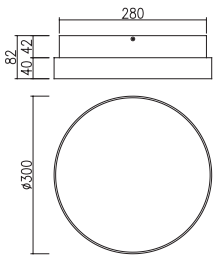
● 3,000K



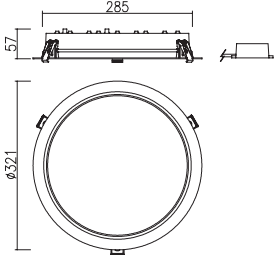
h(m)	E(lx)	D(mm)
1	1331	2794
2	333	5587
3	148	8381



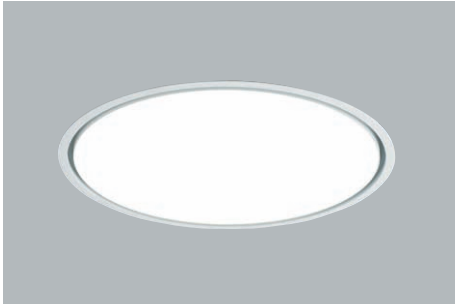
DD-20680.02 LED 33W (144 LED)



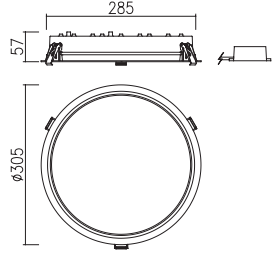
DD-20680.03 LED 33W (144 LED)



 \varnothing 296 mm (11 7/10")



DD-20680.04 LED 33W (144 LED)



 \varnothing 296 mm (11 7/10")



COMFORT LED DOWN LIGHT

Acryl Down Light



Comfort

RECESSED DOWN LIGHT / ACCENT LIGHT

Comfort Down Light



COMFORT
DD-20520
[P.244](#)



COMFORT
DD-20540
[P.245](#)



COMFORT
DD-20600 SERIES
[P.246](#)



COMFORT
DD-20630 SERIES
[P.248](#)

Comfort Mo



COMFORT-MO
DD-20790 SERIES
[P.250](#)



COMFORT-MO
DD-20860 SERIES
[P.252](#)

Comfort Transform



COMFORT-T
DD-20831.01 SERIES
[P.254](#)



COMFORT-T
DD-20831.02 SERIES
[P.256](#)



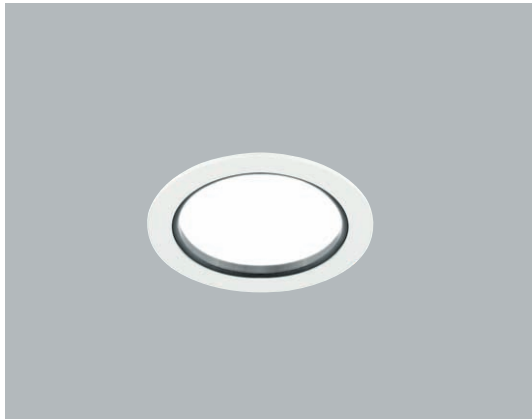
COMFORT-T
DD-20831.02 SERIES
[P.258](#)



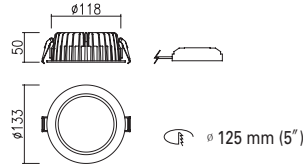
COMFORT-T
DD-20831.02 SERIES
[P.260](#)

Comfort

Recessed Down Light




DD-20520



TYPE OF LED : SMD 

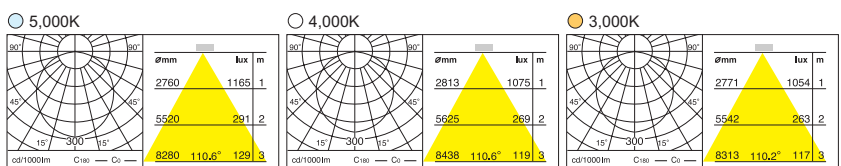


TRIM & HEAT SINK AL. Die-Casting, Electrostatic Powder Coating
COVER PC
OPTION Wireless Control (Bluetooth Module) 

TYPE OF LED SMD (36 LED)
INPUT VOLTAGE 220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
5,000K	8W	6W	69 lm/w	551 lm	18V DC	80	350mA DC
4,000K	8W	6W	69 lm/w	554 lm	17V DC	80	350mA DC
3,000K	8W	6W	69 lm/w	548 lm	17V DC	80	350mA DC

OPERATING TEMPERATURE RANGE -20 to +40 °C
MAINTENANCE OF LUMEN -L70 50,000 hours at 25 °C
COLOR RENDERING INDEX 80, 90
COLOR TEMPERATURE 5,000K 4,000K 3,000K

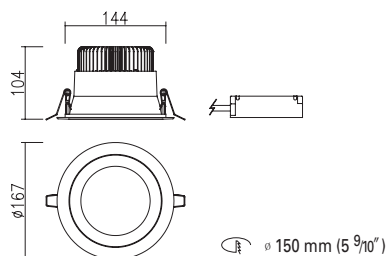


Comfort

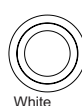
Recessed Down Light




DD-20540



TYPE OF LED : SMD 



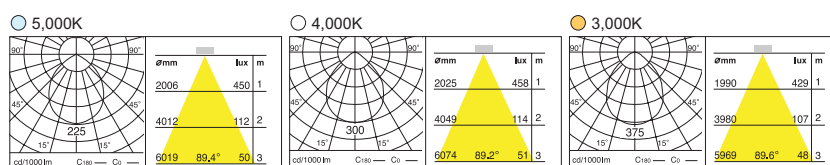
TRIM & LED HOUSING
HEAT SINK
COVER
OPTION

PC, Urethane Coating
AL. Die-Casting, Electrostatic Powder Coating
PC
Wireless Control (Bluetooth Module) 

TYPE OF LED SMD (50 LED)
INPUT VOLTAGE 220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

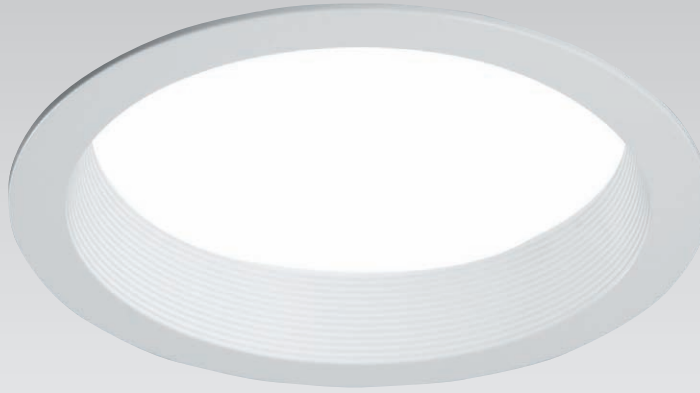
COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX CRI	OUTPUT CURRENT (mA)
○ 5,000K	18W	15W	50 lm/w	901 lm	43V DC	80	350mA DC
○ 4,000K	17W	14W	54 lm/w	915 lm	40V DC	80	350mA DC
● 3,000K	18W	15W	48 lm/w	858 lm	44V DC	80	350mA DC

OPERATING TEMPERATURE RANGE -20 to +40 °C
MAINTENANCE OF LUMEN -L70 50,000 hours at 25 °C
COLOR RENDERING INDEX 80, 90
COLOR TEMPERATURE ○ 5,000K ○ 4,000K ● 3,000K




Comfort

Recessed Down Light



TYPE OF LED : SMD



TRIM & LED HOUSING	PC, Urethane Coating
HEAT SINK	AL. Die-Casting, Electrostatic Powder Coating
COVER	PC
OPTION	Wireless Control (Bluetooth Module) 

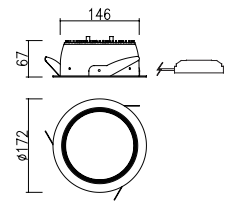
TYPE OF LED	SMD
INPUT VOLTAGE	220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
DD-20600							
○ 5,000K	13W	11W	82 lm/w	1,060 lm	31V DC	80	350mA DC
○ 4,000K	13W	11W	80 lm/w	1,036 lm	31V DC	80	350mA DC
● 3,000K	13W	11W	79 lm/w	1,024 lm	30V DC	80	350mA DC
DD-20610							
○ 5,000K	17W	14W	79 lm/w	1,342 lm	41V DC	80	350mA DC
○ 4,000K	17W	14W	79 lm/w	1,348 lm	40V DC	80	350mA DC
● 3,000K	17W	14W	77 lm/w	1,315 lm	40V DC	80	350mA DC
DD-20620							
○ 5,000K	19W	16W	87 lm/w	1,649 lm	23V DC	80	700mA DC
○ 4,000K	19W	16W	88 lm/w	1,673 lm	23V DC	80	700mA DC
● 3,000K	19W	16W	85 lm/w	1,615 lm	23V DC	80	700mA DC

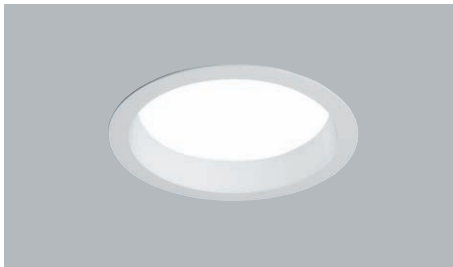
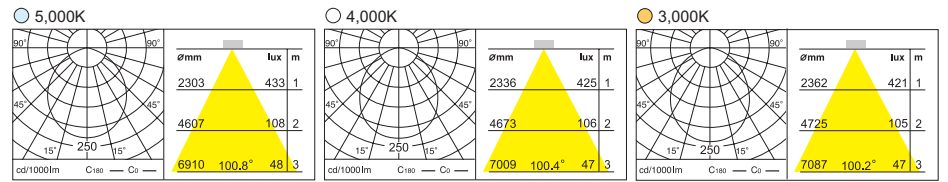
OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L70	50,000 hours at 25 °C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	○ 5,000K ○ 4,000K ● 3,000K



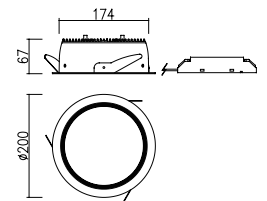
DD-20600 LED 13W (48 LED)



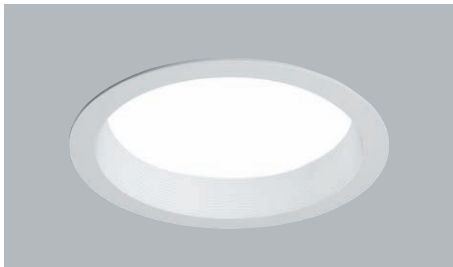
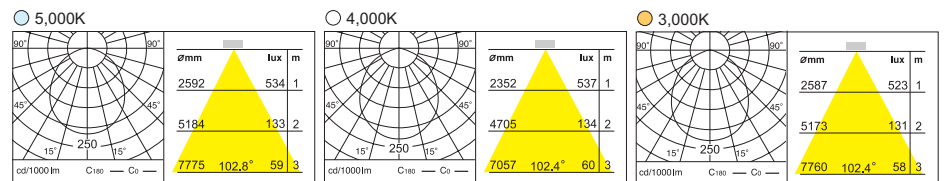
0.4 kg \varnothing 153 mm (6")



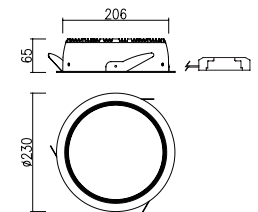
DD-20610 LED 17W (60 LED)



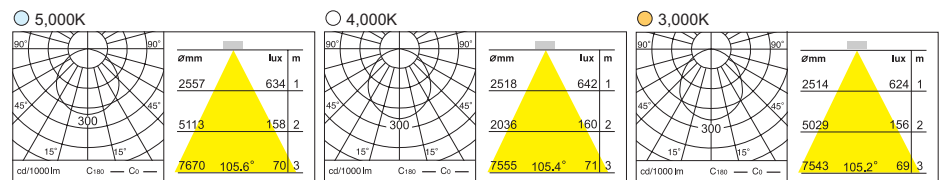
0.5 kg \varnothing 180 mm (7 1/10")



DD-20620 LED 21W (72 LED)



0.6 kg \varnothing 215 mm (8 1/2")



Comfort

Recessed Down Light



TYPE OF LED : SMD



**** OPTION**
Moistureproof available

TRIM & HOUSING Aluminium. Electrostatic Powder Coating
HEAT SINK Forging press, Electro Deposition Coating
COVER PC
OPTION Wireless Control (Bluetooth Module)

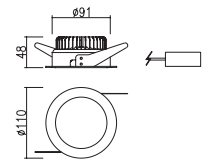
TYPE OF LED SMD
INPUT VOLTAGE 220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
DD-20630.01							
○ 5,000K	10W	9W	55 lm/w	552 lm	25V DC	80	350mA DC
○ 4,000K	9W	8W	62 lm/w	557 lm	23V DC	80	350mA DC
● 3,000K	11W	9W	47 lm/w	518 lm	25V DC	80	350mA DC
DD-20630.02							
○ 5,000K	10W	9W	25 lm/w	246 lm	25V DC	80	350mA DC
○ 4,000K	9W	8W	28 lm/w	248 lm	23V DC	80	350mA DC
● 3,000K	11W	9W	21 lm/w	228 lm	25V DC	80	350mA DC
DD-20640							
○ 5,000K	12W	11W	59 lm/w	707 lm	31V DC	80	350mA DC
○ 4,000K	11W	10W	66 lm/w	725 lm	29V DC	80	350mA DC
● 3,000K	12W	11W	56 lm/w	677 lm	31V DC	80	350mA DC
DD-20650							
○ 5,000K	18W	15W	64 lm/w	1,144 lm	43V DC	80	350mA DC
○ 4,000K	17W	14W	67 lm/w	1,145 lm	40V DC	80	350mA DC
● 3,000K	18W	15W	60 lm/w	1,081 lm	44V DC	80	350mA DC

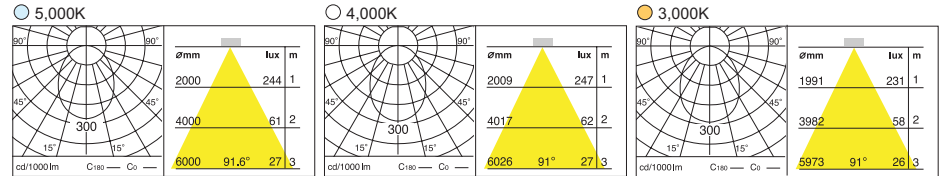
OPERATING TEMPERATURE RANGE -20 to +40 °C
 MAINTENANCE OF LUMEN -L70 50,000 hours at 25 °C
 COLOR RENDERING INDEX 80, 90
 COLOR TEMPERATURE ○ 5,000K ○ 4,000K ● 3,000K



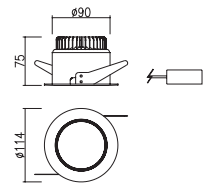
DD-20630.01 LED 11W (24 LED)



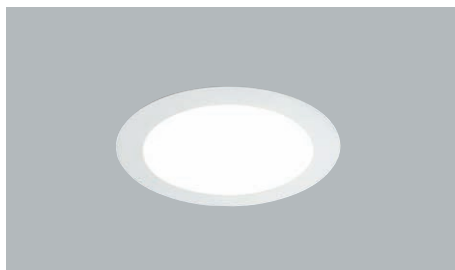
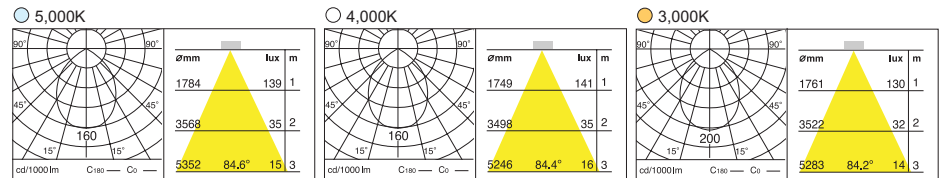
0.3 kg \varnothing 95 mm (3 7/10")



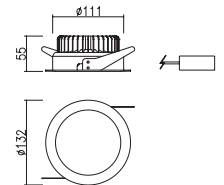
DD-20630.02 LED 11W (24 LED)



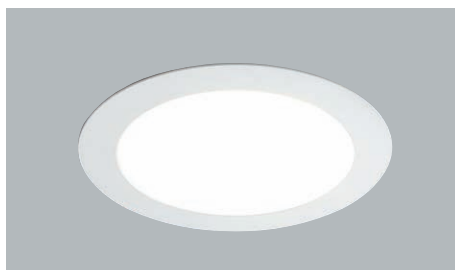
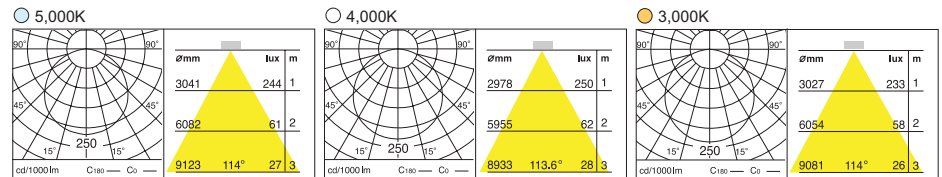
0.3 kg \varnothing 95 mm (3 7/10")



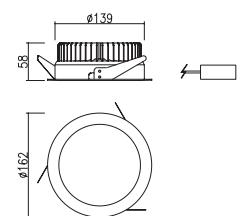
DD-20640 LED 12W (30 LED)



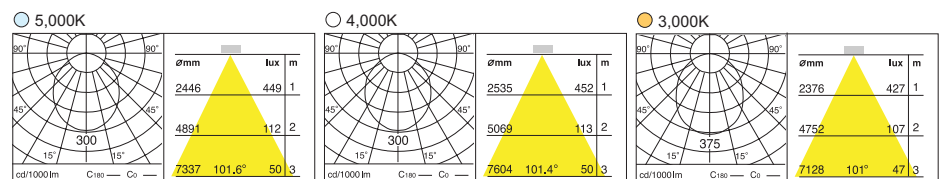
0.4 kg \varnothing 115 mm (4 1/2")



DD-20650 LED 18W (50 LED)

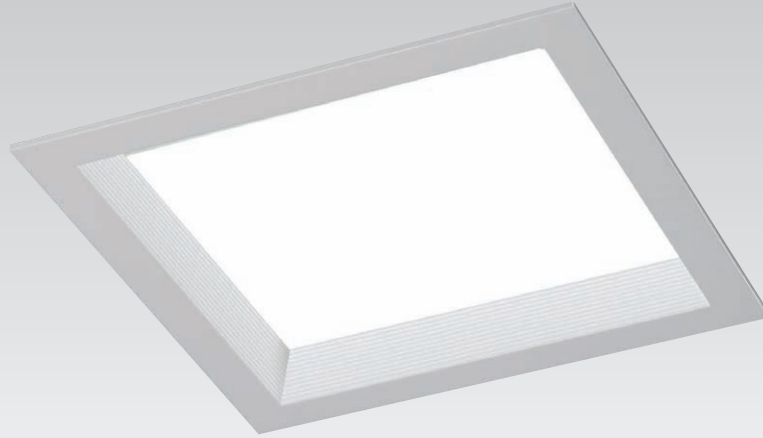



0.5 kg \varnothing 145 mm (5 7/10")



Comfort-Mo

Recessed Down Light



TYPE OF LED : SMD 



White
DD-20790, DD-20800




White



Gray



Black
DD-20810, DD-20820

TRIM	DD-20790, DD-20800 : PC, Urethane Coating DD-20810, DD-20820 : AL. Die-Casting
HOUSING	Steel
COVER	PC
HEAT SINK	AL. Die-Casting
OPTION	Wireless Control (Bluetooth Module) 

TYPE OF LED SMD
INPUT VOLTAGE 220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
DD-20790							
○ 5,000K	12W	11W	65 lm/w	777 lm	31V DC	80	350mA DC
○ 4,000K	12W	11W	65 lm/w	775 lm	31V DC	80	350mA DC
● 3,000K	12W	11W	63 lm/w	757 lm	31V DC	80	350mA DC
DD-20800							
○ 5,000K	17W	14W	70 lm/w	1,192 lm	36V DC	80	450mA DC
○ 4,000K	16W	14W	73 lm/w	1,173 lm	36V DC	80	450mA DC
● 3,000K	17W	14W	64 lm/w	1,088 lm	36V DC	80	450mA DC
DD-20810							
○ 5,000K	19W	16W	66 lm/w	1,251 lm	36V DC	80	500mA DC
○ 4,000K	19W	16W	64 lm/w	1,224 lm	36V DC	80	500mA DC
● 3,000K	19W	16W	64 lm/w	1,213 lm	36V DC	80	500mA DC
DD-20820							
○ 5,000K	27W	21W	74 lm/w	1,985 lm	30V DC	80	800mA DC
○ 4,000K	26W	21W	80 lm/w	2,068 lm	30V DC	80	800mA DC
● 3,000K	27W	22W	68 lm/w	1,836 lm	30V DC	80	800mA DC

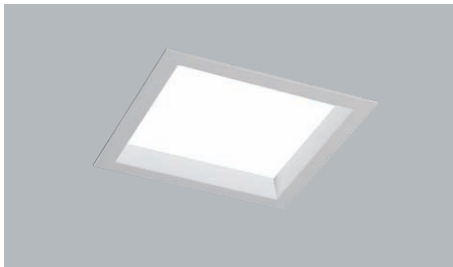
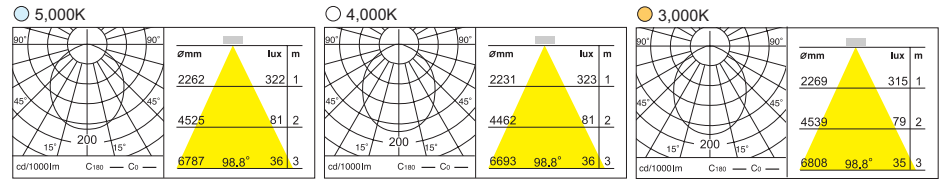
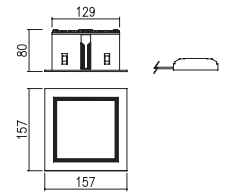
OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L70	50,000 hours at 25 °C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	○ 5,000K ○ 4,000K ● 3,000K



DD-20790 LED 12W (48 LED)



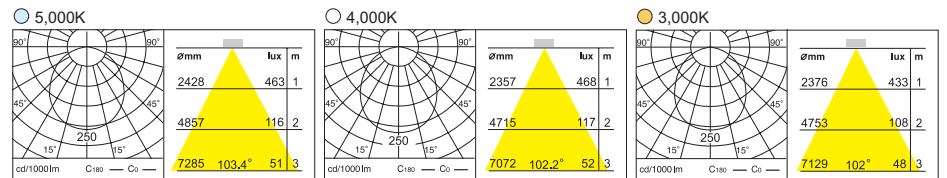
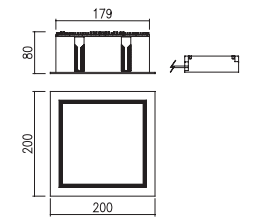
0.6 kg 138 x 138 mm (5 2/5" x 5 2/5")



DD-20800 LED 17W (60 LED)



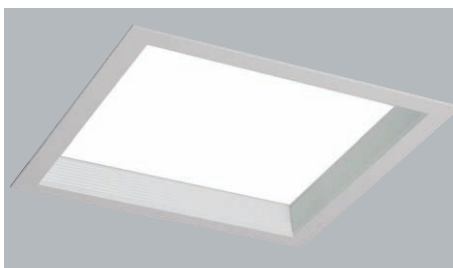
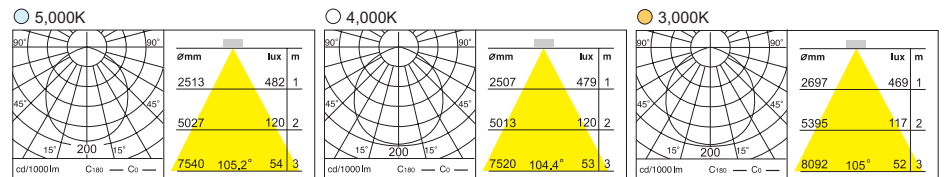
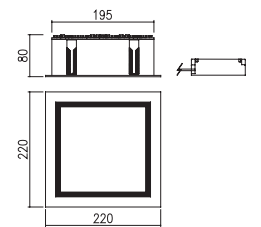
1.0 kg 186 x 186 mm (7 3/10" x 7 3/10")



DD-20810 LED 19W (72 LED)



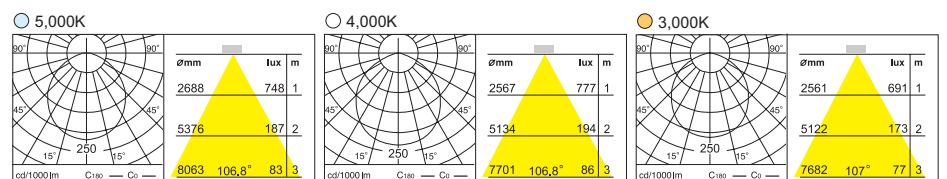
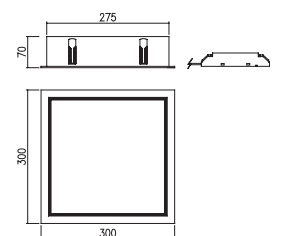
1.3 kg 202 x 202 mm (8" x 8")



DD-20820 LED 27W (90 LED)




2.2 kg 282 x 282 mm (11 1/10" x 11 1/10")




Comfort-Mo

Recessed Down Light



TYPE OF LED : SMD 

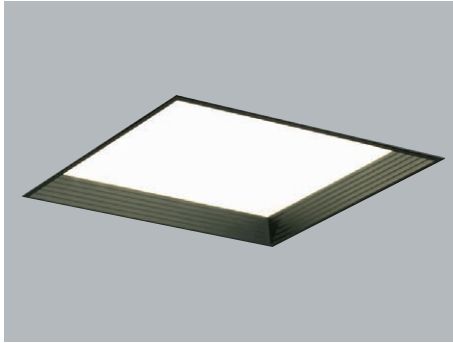


TRIMLESS KIT	Aluminium, Electrostatic Powder Coating & Steel
HOUSING	Steel
COVER	PC
OPTION	Wireless Control (Bluetooth Module) 

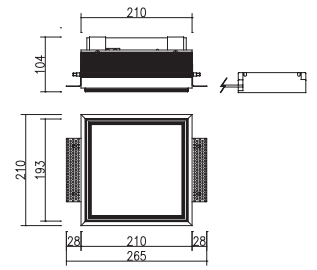
TYPE OF LED	SMD
INPUT VOLTAGE	220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
○ 5,000K	19W	16W	66 lm/w	1,251 lm	36V DC	80	500mA DC
○ 4,000K	19W	16W	64 lm/w	1,224 lm	36V DC	80	500mA DC
● 3,000K	19W	16W	64 lm/w	1,213 lm	36V DC	80	500mA DC

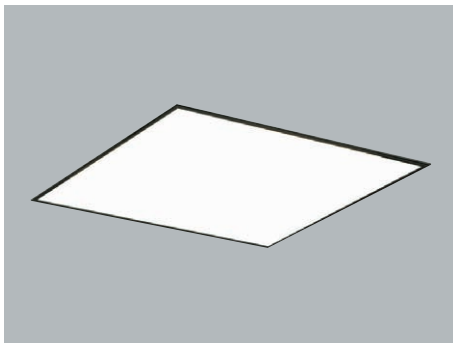
OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L70	50,000 hours at 25 °C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	○ 5,000K ○ 4,000K ● 3,000K



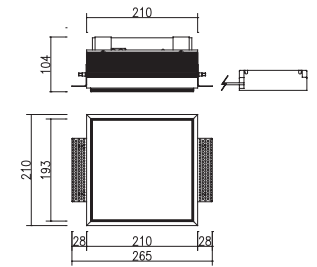
DD-20860 LED 19W (72 LED)



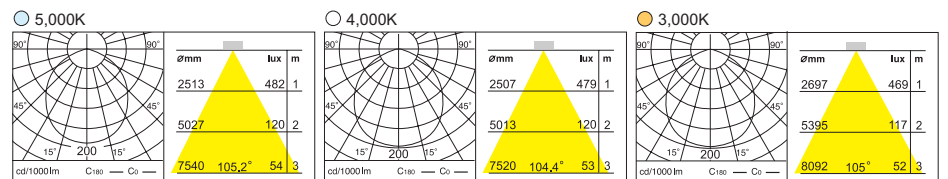
214 x 214 mm (8 2/5 x 8 2/5")



DD-20870 LED 19W (72 LED)

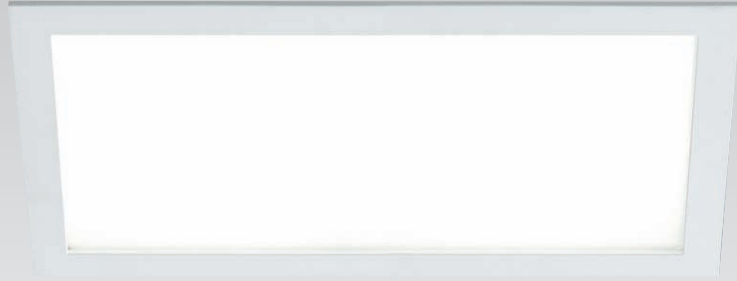


214 x 214 mm (8 2/5 x 8 2/5")



Comfort-Transform

Recessed Down Light



TYPE OF LED : SMD



White

Gray

Black

TRIM

LED HOUSING

COVER

OPTION

AL. Die-Casting, Electrostatic Powder Coating

Steel, Electrostatic Powder Coating

PC

Wireless Control (Bluetooth Module)

Tunable Color Temperature

▶OPTION ◀

Tunable Color Temperature

INPUT VOLTAGE 100-240V AC , 50-60Hz
COLOR TEMPERATURE 2,700K~5,700K
DRIVER Dimmable Driver

DD-20832.01

INPUT POWER 18W
OUTPUT CURRENT 93mA DC

DD-20842.01

INPUT POWER 32W
OUTPUT CURRENT 158mA DC

TYPE OF LED

SMD

INPUT VOLTAGE

220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

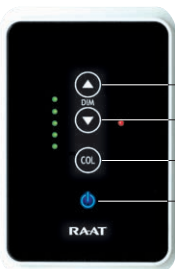
COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
DD-20831.01							
○ 5,000K	19W	16W	75 lm/w	1,429 lm	24V DC	80	700mA DC
○ 4,000K	19W	16W	72 lm/w	1,371 lm	24V DC	80	700mA DC
● 3,000K	19W	16W	70 lm/w	1,324 lm	24V DC	80	700mA DC
DD-20841.01							
○ 5,000K	19W x 2	16W x 2	75 lm/w	2,865 lm	24V DC x 2	80	700mA DC x 2
○ 4,000K	19W x 2	16W x 2	72 lm/w	2,751 lm	24V DC x 2	80	700mA DC x 2
● 3,000K	19W x 2	16W x 2	70 lm/w	2,653 lm	24V DC x 2	80	700mA DC x 2

OPERATING TEMPERATURE RANGE -20 to +40 °C

MAINTENANCE OF LUMEN -L70 50,000 hours at 25 °C

COLOR RENDERING INDEX 80, 90

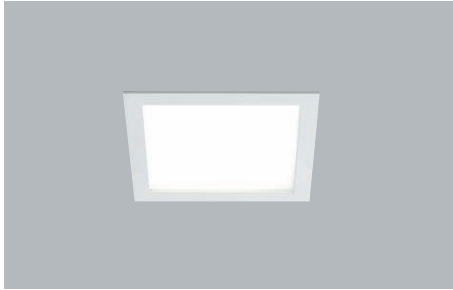
COLOR TEMPERATURE ○ 5,000K ○ 4,000K ● 3,000K



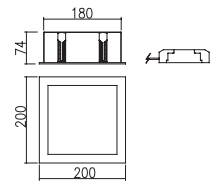
Group Control

그룹제어 가능

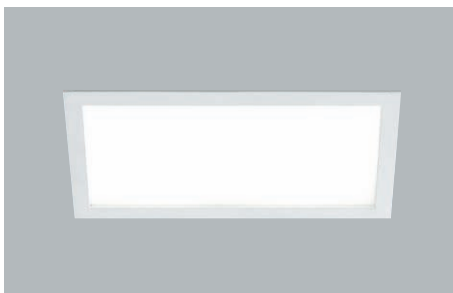
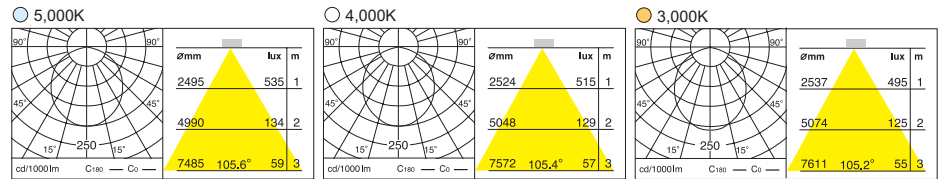
- Dimming Up
- Dimming Down
- Tunable Color Temperature
- On/Off



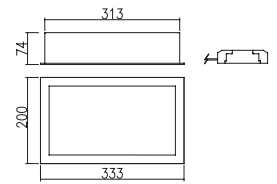
DD-20831.01 LED 19W (55 LED)
DD-20832.01 LED 18W (64 LED)
(Tunable Color Temperature)



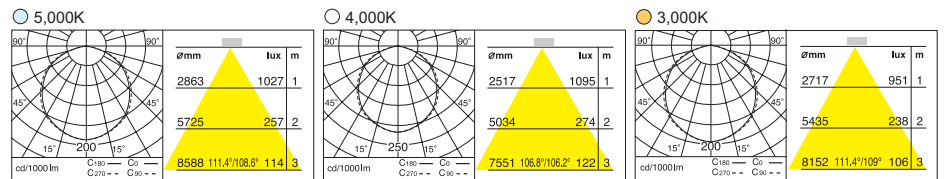
1.1 kg 185 x 185mm (7 3/10 x 7 3/10")



DD-20841.01 LED 19W x 2 (55 LED x 2)
DD-20842.01 LED 32W (128 LED)
(Tunable Color Temperature)



1.7 kg 320 x 185mm (12 1/10 x 7 3/10")



Comfort-Transform

Recessed Down Light



TYPE OF LED : SMD



White

Gray

Black

TRIM

LED HOUSING

COVER

REFLECTOR

OPTION

AL. Die-Casting, Electrostatic Powder Coating

Steel, Electrostatic Powder Coating

PC

PC

Wireless Control (Bluetooth Module)

Tunable Color Temperature

▶OPTION ◀

Tunable Color Temperature

INPUT VOLTAGE 100-240V AC , 50-60Hz
COLOR TEMPERATURE 2,700K~5,700K
DRIVER Dimmable Driver

DD-20832.02

INPUT POWER 18W
OUTPUT CURRENT 93mA DC

DD-20842.02

INPUT POWER 32W
OUTPUT CURRENT 158mA DC

TYPE OF LED

SMD

INPUT VOLTAGE

220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

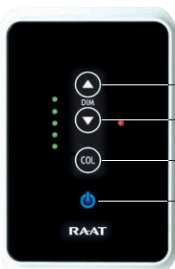
COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
DD-20831.02							
○ 5,000K	19W	16W	68 lm/w	1,283 lm	24V DC	80	700mA DC
○ 4,000K	19W	16W	67 lm/w	1,266 lm	24V DC	80	700mA DC
● 3,000K	19W	16W	62 lm/w	1,185 lm	24V DC	80	700mA DC
DD-20841.02							
○ 5,000K	19W x 2	16W x 2	72 lm/w	2,732 lm	24V DC x 2	80	700mA DC x 2
○ 4,000K	19W x 2	16W x 2	69 lm/w	2,632 lm	24V DC x 2	80	700mA DC x 2
● 3,000K	19W x 2	16W x 2	67 lm/w	2,537 lm	24V DC x 2	80	700mA DC x 2

OPERATING TEMPERATURE RANGE -20 to +40 °C

MAINTENANCE OF LUMEN -L70 50,000 hours at 25 °C

COLOR RENDERING INDEX 80, 90

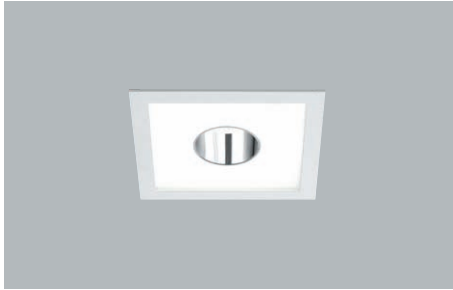
COLOR TEMPERATURE ○ 5,000K ○ 4,000K ● 3,000K



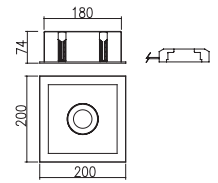
Group Control

그룹제어 가능

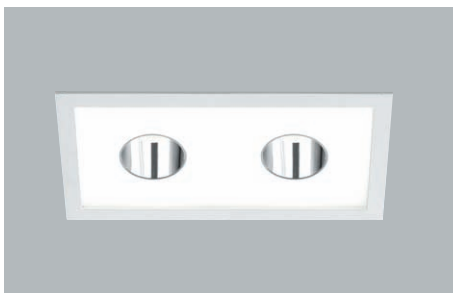
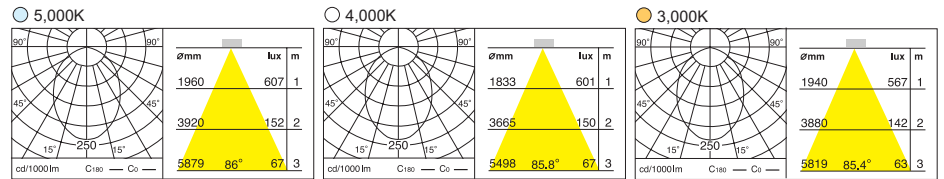
- Dimming Up
- Dimming Down
- Tunable Color Temperature
- On/Off



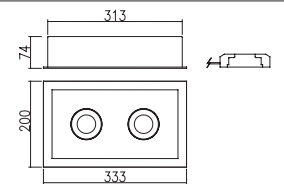
DD-20831.02 LED 19W (55 LED)
DD-20832.02 LED 18W (64 LED)
(Tunable Color Temperature)



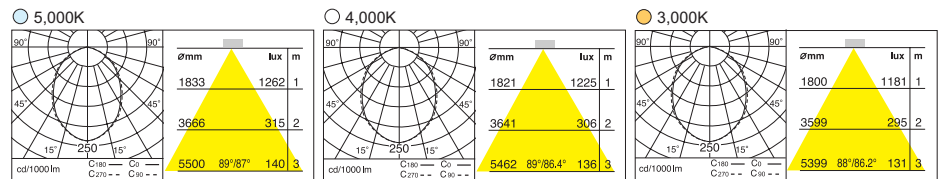
1.1 kg 185 x 185mm (7 3/10 x 7 3/10")



DD-20841.02 LED 19W x 2 (55 LED x 2)
DD-20842.02 LED 32W (128 LED)
(Tunable Color Temperature)

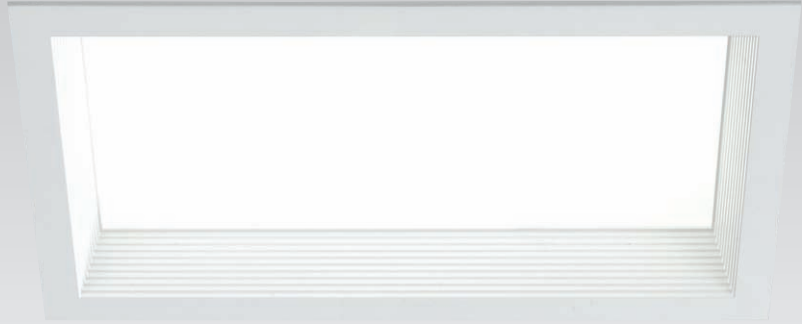


1.7 kg 320 x 185mm (12 1/10 x 7 3/10")



Comfort-Transform

Recessed Down Light



TYPE OF LED : SMD



White




Gray



Black

TRIM
LED HOUSING
COVER
OPTION

AL. Die-Casting, Electrostatic Powder Coating
Steel, Electrostatic Powder Coating
PC
Wireless Control (Bluetooth Module) 
Tunable Color Temperature

▶OPTION ◀

Tunable Color Temperature

INPUT VOLTAGE 100-240V AC , 50-60Hz
COLOR TEMPERATURE 2,700K~5,700K
DRIVER Dimmable Driver

DD-20832.03

INPUT POWER 18W
OUTPUT CURRENT 93mA DC

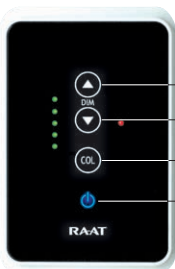
DD-20842.03

INPUT POWER 32W
OUTPUT CURRENT 158mA DC

TYPE OF LED SMD
INPUT VOLTAGE 220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
DD-20831.03							
○ 5,000K	19W	16W	76 lm/w	1,440 lm	24V DC	80	700mA DC
○ 4,000K	19W	16W	73 lm/w	1,384 lm	24V DC	80	700mA DC
● 3,000K	19W	16W	70 lm/w	1,335 lm	24V DC	80	700mA DC
DD-20841.03							
○ 5,000K	19W x 2	16W x 2	71 lm/w	2,702 lm	24V DC x 2	80	700mA DC x 2
○ 4,000K	19W x 2	16W x 2	68 lm/w	2,593 lm	24V DC x 2	80	700mA DC x 2
● 3,000K	19W x 2	16W x 2	65 lm/w	2,482 lm	24V DC x 2	80	700mA DC x 2

OPERATING TEMPERATURE RANGE -20 to +40 °C
MAINTENANCE OF LUMEN -L70 50,000 hours at 25 °C
COLOR RENDERING INDEX 80, 90
COLOR TEMPERATURE ○ 5,000K ○ 4,000K ● 3,000K



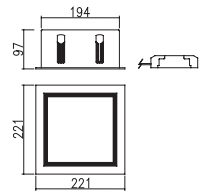
Group Control

그룹제어 가능

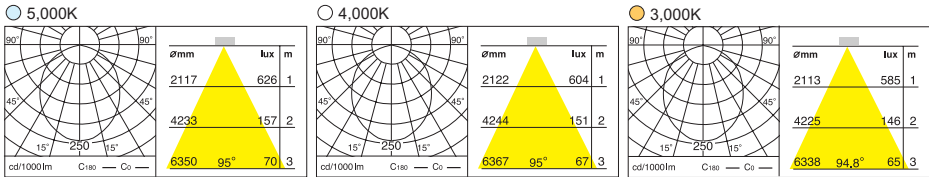
- Dimming Up
- Dimming Down
- Tunable Color Temperature
- On/Off



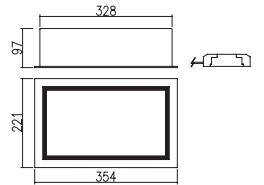
DD-20831.03 LED 19W (55 LED)
DD-20832.03 LED 18W (64 LED)
(Tunable Color Temperature)



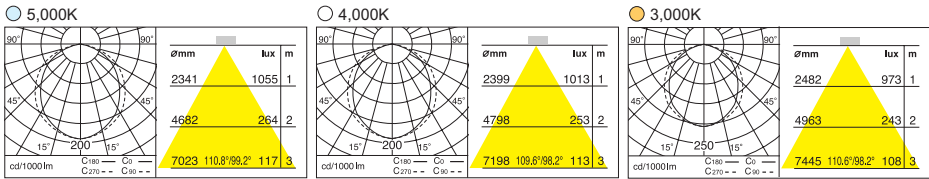
1.3 kg 200 x 200mm (7 7/8 x 7 7/8")



DD-20841.03 LED 19W x 2 (55 LED x 2)
DD-20842.03 LED 32W (128 LED)
(Tunable Color Temperature)

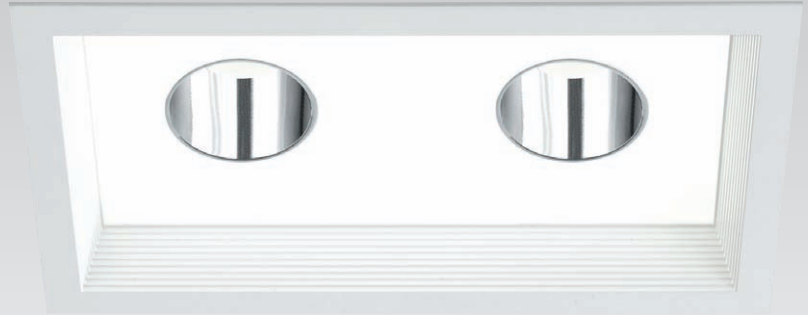


1.7 kg 335 x 200 mm (13 1/8 x 7 7/8")



Comfort-Transform

Recessed Down Light



TYPE OF LED : SMD



White

Gray

Black

TRIM	AL. Die-Casting, Electrostatic Powder Coating
LED HOUSING	Steel, Electrostatic Powder Coating
COVER	PC
REFLECTOR	PC
OPTION	Wireless Control (Bluetooth Module) Tunable Color Temperature

▶OPTION ◀

Tunable Color Temperature

INPUT VOLTAGE	100-240V AC , 50-60Hz
COLOR TEMPERATURE	2,700K~5,700K
DRIVER	Dimmable Driver

DD-20832.04

INPUT POWER	18W
OUTPUT CURRENT	93mA DC

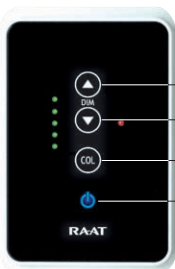
DD-20842.04

INPUT POWER	32W
OUTPUT CURRENT	158mA DC

TYPE OF LED	SMD
INPUT VOLTAGE	220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
DD-20831.04							
○ 5,000K	19W	16W	70 lm/w	1,324 lm	24V DC	80	700mA DC
○ 4,000K	19W	16W	67 lm/w	1,279 lm	24V DC	80	700mA DC
● 3,000K	19W	16W	64 lm/w	1,224 lm	24V DC	80	700mA DC
DD-20841.04							
○ 5,000K	19W x 2	16W x 2	65 lm/w	2,486 lm	24V DC x 2	80	700mA DC x 2
○ 4,000K	19W x 2	16W x 2	63 lm/w	2,391 lm	24V DC x 2	80	700mA DC x 2
● 3,000K	19W x 2	16W x 2	61 lm/w	2,298 lm	24V DC x 2	80	700mA DC x 2

OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L70	50,000 hours at 25 °C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	○ 5,000K ○ 4,000K ● 3,000K



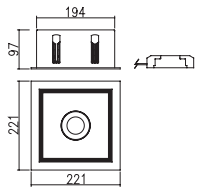
Group Control

그룹제어 가능

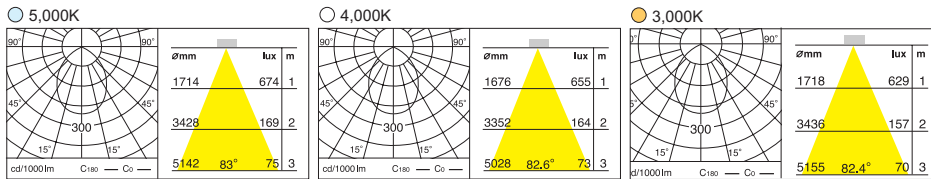
- Dimming Up
- Dimming Down
- Tunable Color Temperature
- On/Off



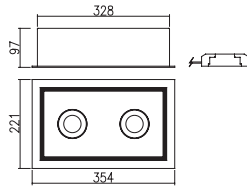
DD-20831.04 LED 19W (55 LED)
DD-20832.04 LED 18W (64 LED)
(Tunable Color Temperature)



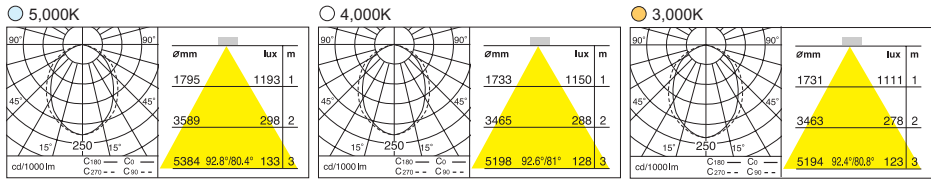
1.3 kg 200 x 200mm (7 4/5 x 7 4/5")



DD-20841.04 LED 19W x 2 (55 LED x 2)
DD-20842.04 LED 32W (128 LED)
(Tunable Color Temperature)



1.7 kg 335 x 200 mm (13 1/5 x 7 4/5")

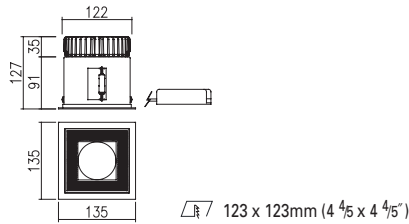


RHOMBUS LED DOWN LIGHT

Rhombus Recessed Down Light



DD-20910.02 SERIES



TYPE OF LED : LED MODULE

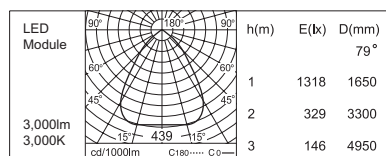
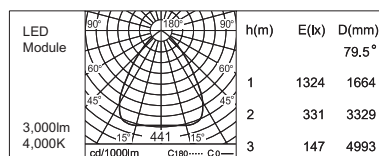
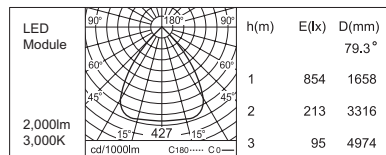
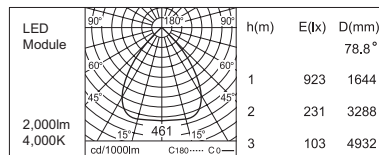


TRIM	AL. Die-Casting, Electrostatic Powder Coating
LED HOUSING	Steel
REFLECTOR	AL. Fog Coating
HEAT SINK	AL. Die-Casting, Electro Deposition Coating
OPTION	Wireless Control (Bluetooth Module)

TYPE OF LED	LED MODULE
INPUT VOLTAGE	220-240V AC , 50-60Hz

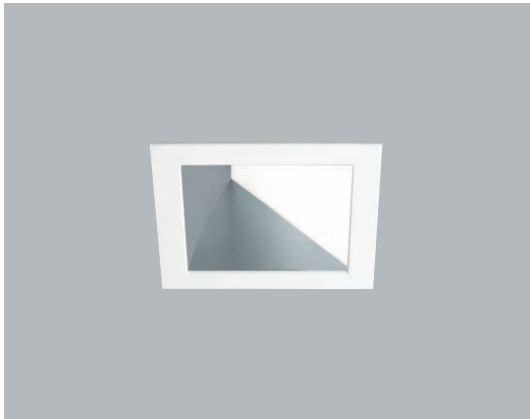
MODULE	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/W)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
DD-20910.02								
2,000lm	○ 4,000K	22W	19W	69 lm/w	1,520 lm	38V DC	80	500mA DC
2,000lm	● 3,000K	22W	19W	64 lm/w	1,422 lm	39V DC	80	500mA DC
DD-20912.02								
3,000lm	○ 4,000K	34W	30W	66 lm/w	2,222 lm	34V DC	80	700mA DC
3,000lm	● 3,000K	34W	31W	64 lm/w	2,190 lm	35V DC	80	700mA DC

OPERATING TEMPERATURE RANGE	-20 to +35°C
MAINTENANCE OF LUMEN -L70	50,000 hours at 25°C
COLOR TEMPERATURE	○ 4,000K ● 3,000K

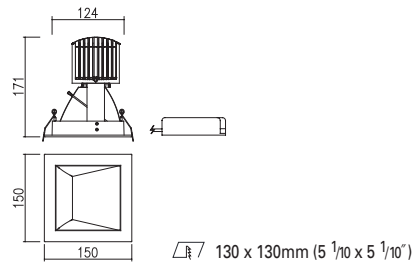


Rhombus

Recessed Down Light



DD-20920.02 SERIES



TYPE OF LED : COB

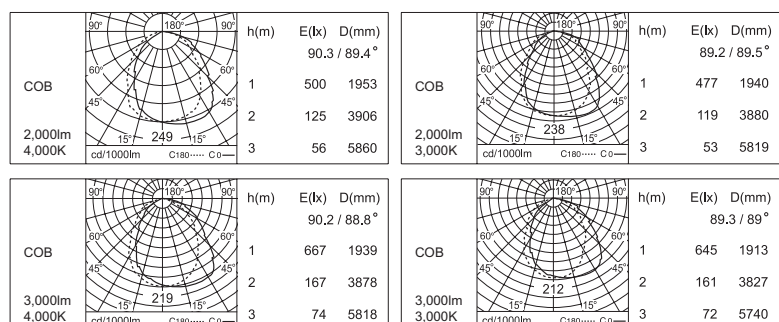


TRIM	AL. Die-Casting, Electrostatic Powder Coating
LED HOUSING	Steel
REFLECTOR	AL. Fog Coating
HEAT SINK	Forging Press, Electro Deposition Coating
OPTION	Wireless Control (Bluetooth Module)

TYPE OF LED	COB
INPUT VOLTAGE	220-240V AC , 50-60Hz

MODULE	COLOR	INPUT	OUTPUT	SYSTEM	LUMINOUS	OUTPUT	COLOR	OUTPUT
LUMINOUS FLUX	TEMPERATURE (K)	POWER (W)	POWER (W)	EFFICIENCY (lm/w)	FLUX (lm)	VOLTAGE (nominal)	RENDERING INDEX_CRI	CURRENT (mA)
DD-20920.02								
2,000 lm	○ 4,000K	19W	16W	58 lm/w	1,083 lm	35V DC	80	500mA DC
2,000 lm	● 3,000K	19W	16W	61 lm/w	1,144 lm	35V DC	80	500mA DC
DD-20921.02								
3,000 lm	○ 4,000K	26W	23W	60 lm/w	1,527 lm	35V DC	80	700mA DC
3,000 lm	● 3,000K	26W	23W	58 lm/w	1,483 lm	35V DC	80	700mA DC

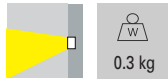
OPERATING TEMPERATURE RANGE	-20 to +35 °C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25 °C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	○ 4,000K ● 3,000K



POP LED WALL & CEILING LIGHT



TYPE OF LED : SMD



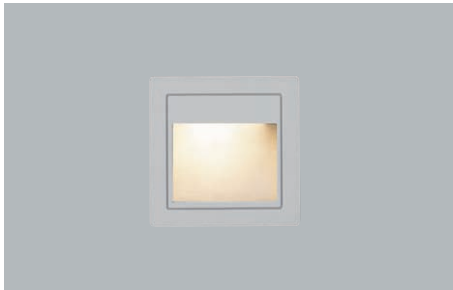
HOUSING
REFLECTOR

PC. Urethane Coating
AL. Plate

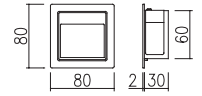
TYPE OF LED	SMD (4 LED)
INPUT VOLTAGE	200-240V AC , 50-60Hz
INPUT POWER	2W (nominal)
OUTPUT POWER	1W (nominal)
LUMINOUS FLUX (lm)	22 lm (5,000K) / 23 lm (4,000K) / 23 lm (3,000K)
OUTPUT VOLTAGE	3V DC (nominal)
OUTPUT CURRENT	350mA DC (constant current)
COLOR RENDERING INDEX _CRI	80
OPERATING TEMPERATURE RANGE	-20 to +40℃
MAINTENANCE OF LUMEN -L70	25,000 hours at 25℃
COLOR TEMPERATURE	● 5,000K ○ 4,000K ● 3,000K

Pop

Recessed Wall & Ceiling Light



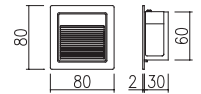
DD-38040 LED 2W



□ 68 x 68mm (2 7/10" x 2 7/10")

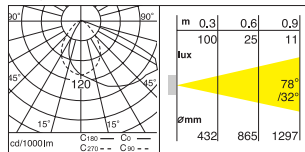


DD-38050 LED 2W

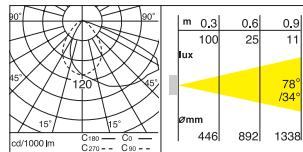


□ 68 x 68mm (2 7/10" x 2 7/10")

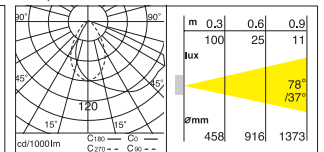
● 5,000K



○ 4,000K



● 3,000K



ASSE LED WALL & CEILING LIGHT



TYPE OF LED : SMD



HOUSING
COVER

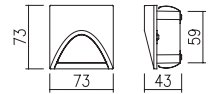
AL. Die-Casting, Electrostatic Powder Coating
Housing Cover _ PC

TYPE OF LED	SMD (4 LED)
INPUT VOLTAGE	200-240V AC , 50-60Hz
INPUT POWER	2W (nominal)
OUTPUT POWER	1W (nominal)
LUMINOUS FLUX (lm)	31 lm (5,000K) / 30 lm (4,000K) / 31 lm (3,000K)
OUTPUT VOLTAGE	3V DC (nominal)
OUTPUT CURRENT	350mA DC (constant current)
COLOR RENDERING INDEX _CRI	80
OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L70	25,000 hours at 25 °C
COLOR TEMPERATURE	○ 5,000K ○ 4,000K ● 3,000K

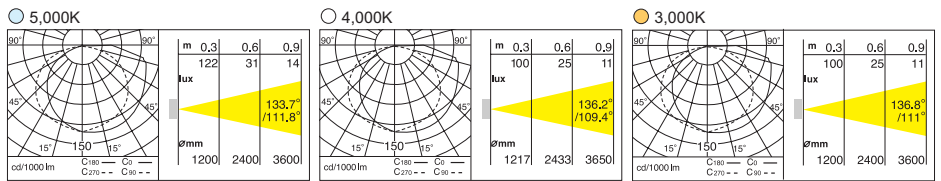
Asse Recessed Wall & Ceiling Light



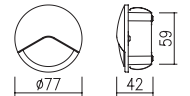
DD-38170 LED 2W



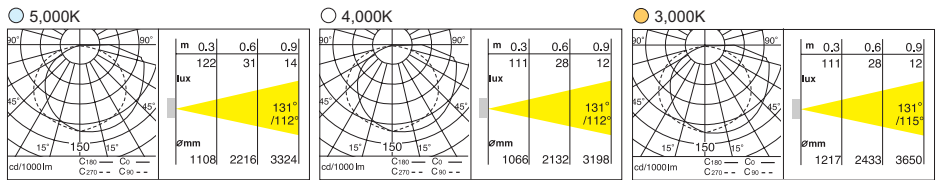
⌀ 65mm (2 3/5")



DD-38190 LED 2W



⌀ 65mm (2 3/5")



SILO LED PENDANT LIGHT

Silo PENDANT LIGHT

∅ 175



SILO ∅ 175 COB
DP-51021.02 SERIES
[P.270](#)



SILO ∅ 175 SMD
DP-51021.03 SERIES
[P.272](#)

∅ 120



SILO ∅ 120
DP-51200.01 SERIES
[P.274](#)



SILO ∅ 120
DP-51200.03 SERIES
[P.275](#)



LED PENDANT LIGHT **ABITO**

Abito PENDANT LIGHT

COB +
Reflector



ABITO
DP-51033.01 SERIES
P.278



ABITO
DP-51033.02 SERIES
P.278

COB +
SMART LENS



ABITO
DP-51280.01 SERIES
P.280



ABITO
DP-51280.02 SERIES
P.280





SILO | LED PENDANT LIGHT
DP-51021.02 SERIES



TYPE OF LED : COB



HOUSING & HEAT SINK
MOUNTING RING
REFLECTOR
WIRE
OPTION

AL. Die-Casting, Electrostatic Powder Coating
AL. Die-Casting, Electrostatic Powder Coating
AL. Anodized Specular Silver or PC
STS / PVC
Wireless Control (Bluetooth Module)

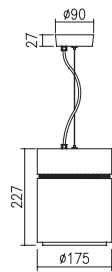
TYPE OF LED COB
INPUT VOLTAGE 220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
DP-51021.02 / DP-51021.02-02								
3,000lm	○ 4,000K	27W	24W	106 lm/w	2,873 lm	34V DC	80	700mA DC
3,000lm	● 3,000K	27W	23W	97 lm/w	2,652 lm	34V DC	80	700mA DC
DP-51022.02 / DP-51022.02-02								
4,000lm	○ 4,000K	37W	32W	99 lm/w	3,660 lm	35V DC	80	950mA DC
4,000lm	● 3,000K	36W	32W	100 lm/w	3,610 lm	34V DC	80	950mA DC

OPERATING TEMPERATURE RANGE -20 to +40 °C
MAINTENANCE OF LUMEN -L80 50,000 hours at 25 °C
COLOR RENDERING INDEX 80, 90
COLOR TEMPERATURE ○ 4,000K ● 3,000K

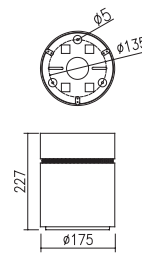
Silo Ø 175 COB TYPE

Direct Light Pendant



DP-51021.02 SERIES

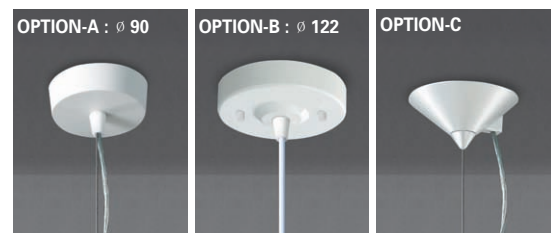
DP-51021.02 COB 27W
DP-51022.02 COB 37W



DP-51021.02-02 SERIES

DP-51021.02-02 COB 27W
DP-51022.02-02 COB 37W

FLANGE OPTION



	Beam Angle	h(m)	E(k)	D(mm)
 Ref. AL. Anodized 3,000lm 4,000K	77.0°	1	1819	1592
		2	455	3184
		3	202	4776
 Ref. AL. Anodized 3,000lm 3,000K	76.7°	1	1694	1582
		2	424	3165
		3	188	4747
 Ref. AL. Anodized 4,000lm 4,000K	75.5°	1	2653	1549
		2	663	3098
		3	295	4647
 Ref. AL. Anodized 4,000lm 3,000K	75.1°	1	2640	1539
		2	660	3077
		3	293	4616



SILO | LED PENDANT LIGHT
DP-51021.03 SERIES



TYPE OF LED : SMD



HOUSING & HEAT SINK
MOUNTING RING
COVER
WIRE
OPTION

AL. Die-Casting, Electrostatic Powder Coating
AL. Die-Casting, Electrostatic Powder Coating
PC
STS / PVC
Wireless Control (Bluetooth Module)

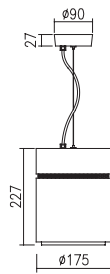
TYPE OF LED SMD (50 LED)
INPUT VOLTAGE 220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
○ 5,000K	18W	15W	64 lm/w	1,144 lm	43V DC	80	350mA DC
○ 4,000K	17W	14W	67 lm/w	1,145 lm	40V DC	80	350mA DC
● 3,000K	18W	15W	60 lm/w	1,081 lm	44V DC	80	350mA DC

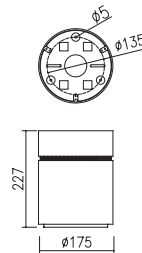
OPERATING TEMPERATURE RANGE -20 to +40 °C
 MAINTENANCE OF LUMEN -L70 50,000 hours at 25 °C
 COLOR RENDERING INDEX 80, 90
 COLOR TEMPERATURE ○ 5,000K ○ 4,000K ● 3,000K

Silo \varnothing 175 SMD TYPE

Direct Light Pendant

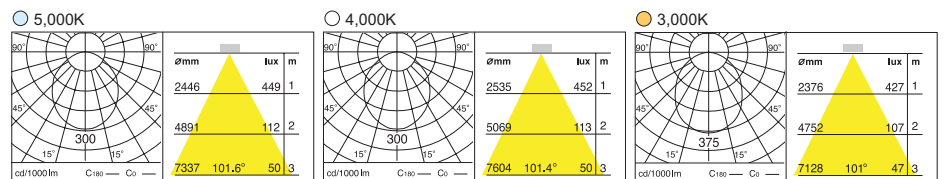


NEW DP-51021.03 LED 18W



NEW DP-51021.03-02 LED 18W

FLANGE OPTION





HOUSING

AL. Extrude, Electrostatic Powder Coating

MOUNTING RING

AL. Die-Casting, Electrostatic Powder Coating

HEAT SINK

Forging press, Electro Deposition Coating

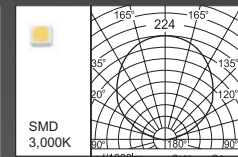
REFLECTOR

Up-Lighting : Acryl

Down-Lighting : AL. Anodized Specular Silver

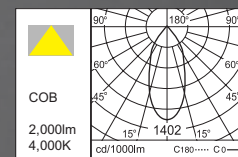
WIRE

PVC

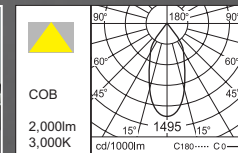


SMD
3,000K

UP LIGHTING _ACRYL COVER



COB
2,000lm
4,000K



COB
2,000lm
3,000K

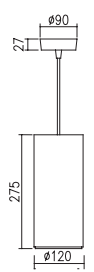
DOWN LIGHTING _REFLECTOR

Silo Ø 120 TYPE

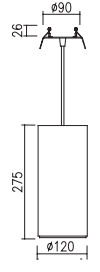
Direct & Indirect Light Pendant



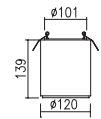
Surface Mounted DownLight



DP-51200.01
COB 19W + SMD 11W



DP-51200.02
COB 19W + SMD 11W
Ø 80mm (3 1/5")



DP-51210
COB 19W
Ø 105mm (4 1/10")

TYPE OF LED : COB  & SMD 



UP LIGHTING

TYPE OF LED SMD (40 LED)
INPUT VOLTAGE 220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
● 3,000K	11W	9W	62 lm/w	680 lm	25V DC	80	350mA DC

OPERATING TEMPERATURE RANGE -20 to +40°C
 MAINTENANCE OF LUMEN -L70 50,000 hours at 25°C
 COLOR RENDERING INDEX 80, 90
 COLOR TEMPERATURE ○ 5,000K ○ 4,000K ● 3,000K


DOWN LIGHTING

TYPE OF LED COB
INPUT VOLTAGE 220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)


MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
2,000lm	○ 4,000K	19W	16W	120 lm/w	2,335 lm	33V DC	80	500mA DC
2,000lm	● 3,000K	19W	16W	119 lm/w	2,296 lm	33V DC	80	500mA DC

OPERATING TEMPERATURE RANGE -20 to +40°C
 MAINTENANCE OF LUMEN -L80 50,000 hours at 25°C
 COLOR RENDERING INDEX 80, 90
 COLOR TEMPERATURE ○ 4,000K ● 3,000K



TYPE OF LED : COB 



HOUSING & HEAT SINK	AL. Die-Casting, Electrostatic Powder Coating
MOUNTING RING	AL. Die-Casting, Electrostatic Powder Coating
REFLECTOR	AL. Anodized Specular Silver
WIRE	PVC
OPTION	Wireless Control (Bluetooth Module) 

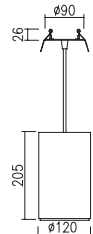
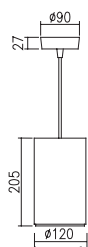
TYPE OF LED	COB
INPUT VOLTAGE	220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
DP-51200.03 / DP-51200.04								
3,000lm	○ 4,000K	32W	27W	110 lm/w	3,479 lm	34V DC	80	800mA DC
3,000lm	● 3,000K	31W	27W	110 lm/w	3,103 lm	34V DC	80	800mA DC
DP-51201.03 / DP-51201.04								
4,000lm	○ 4,000K	37W	32W	110 lm/w	4,092 lm	35V DC	80	950mA DC
4,000lm	● 3,000K	36W	32W	97 lm/w	3,456 lm	34V DC	80	950mA DC

OPERATING TEMPERATURE RANGE	-20 to +40°C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25°C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	○ 4,000K ● 3,000K

Silo Ø 120 TYPE

Direct Light Pendant



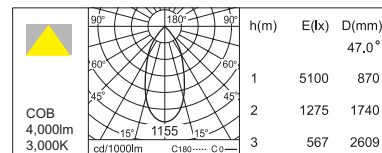
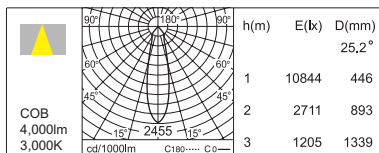
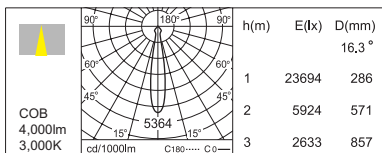
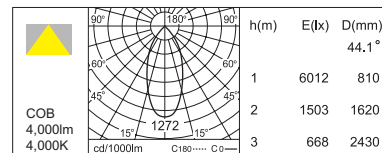
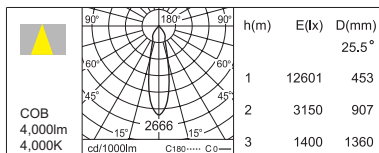
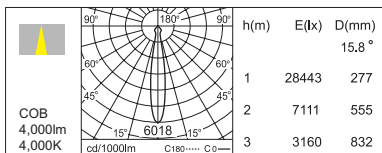
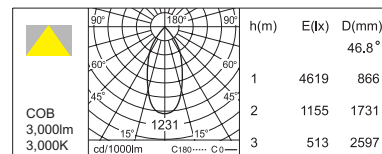
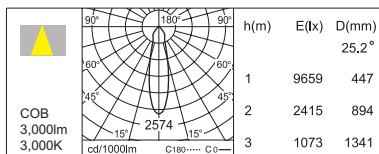
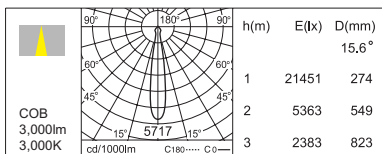
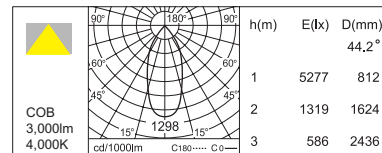
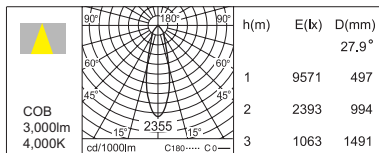
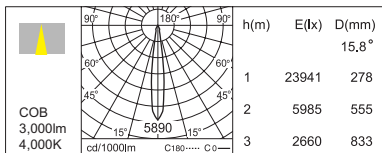
Ø 80mm (3 1/5")

NEW DP-51200.03 SERIES

DP-51200.03 COB 32W
DP-51201.03 COB 37W

NEW DP-51200.04 SERIES

DP-51200.04 COB 32W
DP-51201.04 COB 37W





TYPE OF LED : COB



GEAR BOX AL. Die-Casting, Electrostatic Powder Coating
WIRE STS / PVC
OPTION Wireless Control (Bluetooth Module)

DP-51033.01

SHADE PC
TRIM RING AL. Spinning Processing, Electrostatic Powder Coating

DP-51033.02

SHADE AL. Spinning Processing, Electrostatic Powder Coating
REFLECTOR AL. Anodized Specular Silver

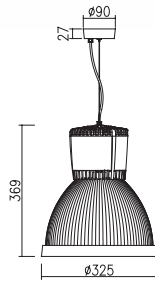
TYPE OF LED COB
INPUT VOLTAGE 220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
4,000lm	○ 4,000K	40W	35W	109 lm/w	4,370 lm	34V DC	80	1,050mA DC
4,000lm	● 3,000K	40W	36W	106 lm/w	4,214 lm	35V DC	80	1,050mA DC

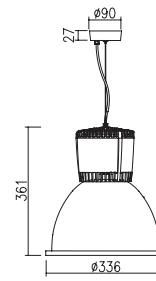
OPERATING TEMPERATURE RANGE -20 to +40 °C
MAINTENANCE OF LUMEN -L80 50,000 hours at 25 °C
COLOR RENDERING INDEX 80, 90
COLOR TEMPERATURE ○ 4,000K ● 3,000K

Abito COB TYPE

Direct Light Pendant

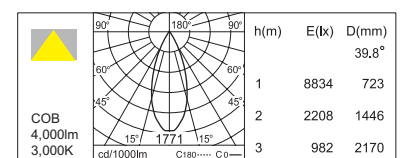
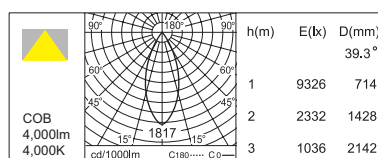


DP-51033.01 COB 40W



NEW DP-51033.02 COB 40W

FLANGE OPTION





TYPE OF LED : COB



GEAR BOX	Steel, Electrostatic Powder Coating
ACCESSORY	Beam Angle LENS
HEAT SINK	AL. Die-Casting, Electrostatic Powder Coating
WIRE	Steel

DP-51280.01

SHADE	PC
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DP-51280.02

SHADE	AL. Spinning Processing, Electrostatic Powder Coating
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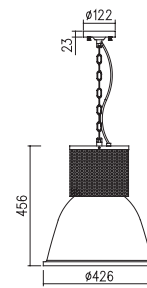
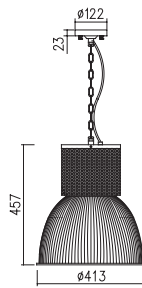
TYPE OF LED	COB
INPUT VOLTAGE	220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/W)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
10,000lm	○ 4,000K	97W	87W	120 lm/W	11,839 lm	36V DC	80	2,400mA DC
10,000lm	● 3,000K	96W	85W	121 lm/W	11,561 lm	35V DC	80	2,400mA DC

OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25 °C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	○ 4,000K ● 3,000K

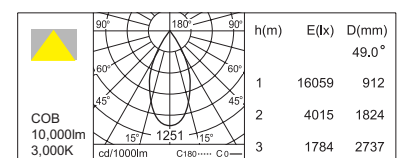
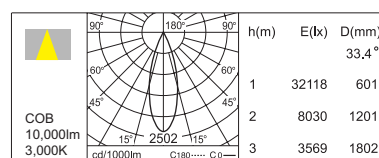
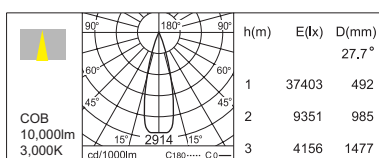
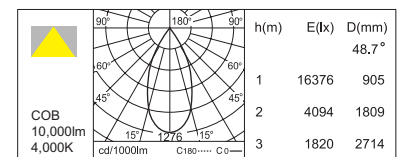
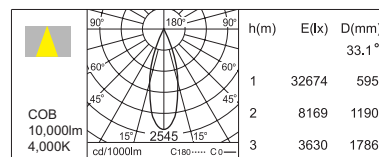
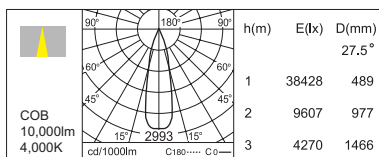
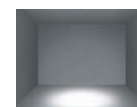
Abito COB(LENS) TYPE

Direct Light Pendant



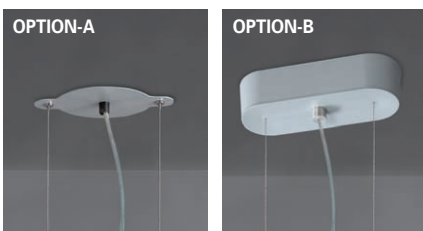
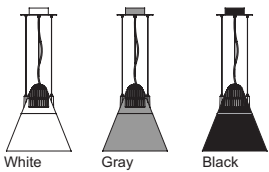
NEW DP-51280.01 COB 97W

NEW DP-51280.02 COB 97W



TWIN LED PENDANT LIGHT

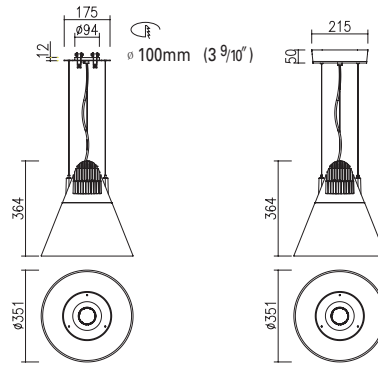
Designed by Eduardo Albors



Twin



DP-51100.02 SERIES
Direct Light Pendant

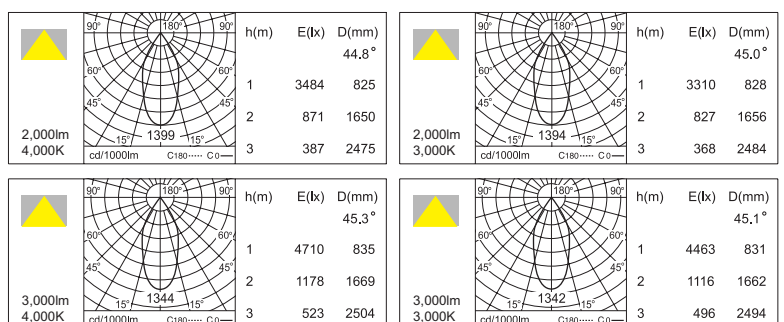


SHADE	AL. Spinning Processing, Electrostatic Powder Coating
GEAR BOX	AL. Die-Casting, Electro Powder Coating
REFLECTOR	AL. Anodized Specular Silver
WIRE	STS / PVC
OPTION	Wireless Control (Bluetooth Module)

TYPE OF LED	COB
INPUT VOLTAGE	220-240V AC , 50-60Hz

MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
DP-51100.02								
2,000lm	○ 4,000K	19W	16W	108 lm/w	2,087 lm	33V DC	80	500mA DC
2,000lm	● 3,000K	19W	16W	102 lm/w	1,980 lm	33V DC	80	500mA DC
DP-51101.02								
3,000lm	○ 4,000K	27W	24W	105 lm/w	2,832 lm	34V DC	80	700mA DC
3,000lm	● 3,000K	27W	23W	98 lm/w	2,680 lm	34V DC	80	700mA DC

OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25 °C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	○ 4,000K ● 3,000K




ABACO-P LED PENDANT LIGHT

Designed by Carlo Tamborini

Abaco-P DP-51160 series



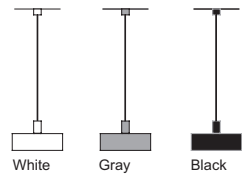
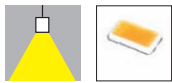
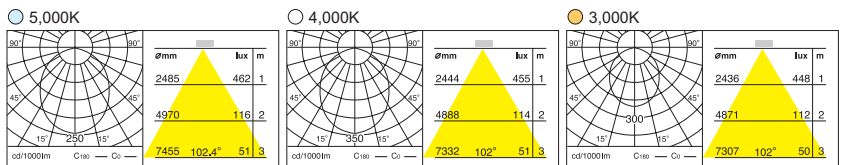
LED HOUSING	AL. Die-Casting, Electrostatic Powder Coating
COVER	PC
WIRE	PVC
OPTION	Wireless Control (Bluetooth Module) 

DP-51160.01 / DP-51160.02 / DP-51160.03 / DP-51160.04

TYPE OF LED	SMD (48 LED)
INPUT VOLTAGE	220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX CRI	OUTPUT CURRENT (mA)
○ 5,000K	13W	11W	91 lm/W	1,177 lm	31V DC	80	350mA DC
○ 4,000K	13W	11W	89 lm/W	1,152 lm	31V DC	80	350mA DC
● 3,000K	13W	11W	90 lm/W	1,135 lm	30V DC	80	350mA DC

OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L70	50,000 hours at 25 °C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	○ 5,000K ○ 4,000K ● 3,000K

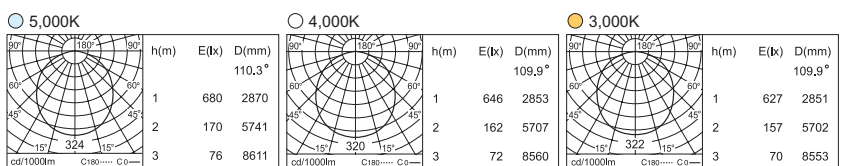


DP-51160.06 / DP-51160.07

TYPE OF LED	SMD (55 LED)
INPUT VOLTAGE	220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX CRI	OUTPUT CURRENT (mA)
○ 5,000K	18W	16W	103 lm/w	1,892 lm	23V DC	80	700mA DC
○ 4,000K	18W	16W	99 lm/w	1,797 lm	23V DC	80	700mA DC
● 3,000K	18W	16W	98 lm/w	1,751 lm	23V DC	80	700mA DC

OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L70	50,000 hours at 25 °C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	○ 5,000K ○ 4,000K ● 3,000K

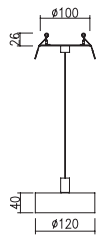




DP-51160.01 LED 13W



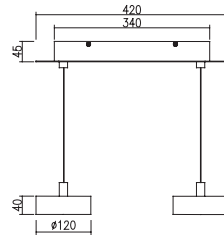
DP-51160.02 LED 13W



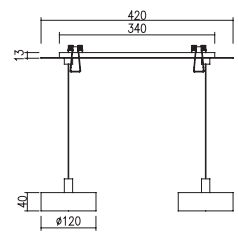
∅ 90mm (3 1/2")



DP-51160.03 LED 13W x 2



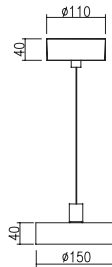
DP-51160.04 LED 13W x 2



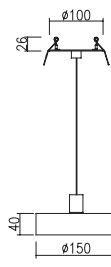
340 x 70mm



DP-51160.06 LED 18W

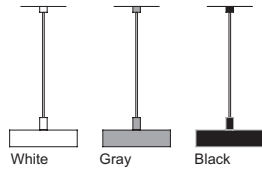


DP-51160.07 LED 18W



∅ 90mm (3 1/2")





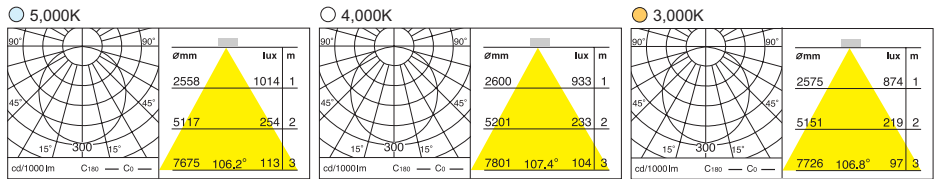
Abaco-P

DP-51170 SERIES Direct Light Pendant

LED HOUSING AL. Die-Casting, Electrostatic Powder Coating
COVER PC
WIRE PVC
OPTION Wireless Control (Bluetooth Module)

DP-51170							
TYPE OF LED		SMD (66 LED)					
INPUT VOLTAGE		220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)					
COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
● 5,000K	27W	23W	100 lm/W	2,693 lm	33V DC	80	700mA DC
○ 4,000K	27W	23W	93 lm/W	2,513 lm	33V DC	80	700mA DC
● 3,000K	27W	23W	87 lm/W	2,340 lm	33V DC	80	700mA DC

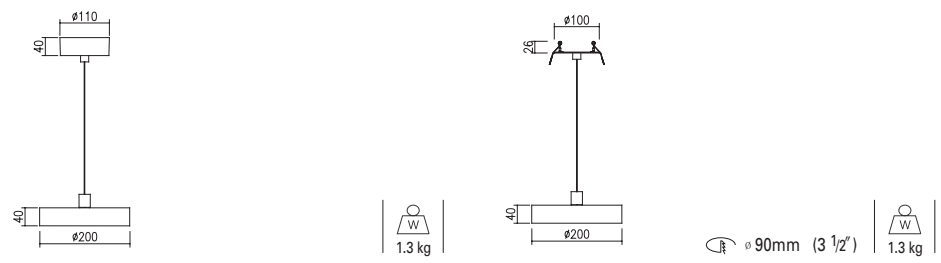
OPERATING TEMPERATURE RANGE -20 to +40°C
MAINTENANCE OF LUMEN -L70 50,000 hours at 25°C
COLOR RENDERING INDEX 80, 90
COLOR TEMPERATURE ● 5,000K ○ 4,000K ● 3,000K



DP-51170.01 LED 27W



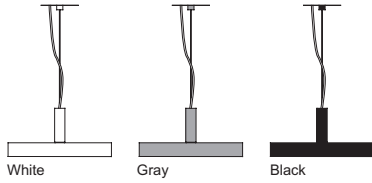
DP-51170.02 LED 27W





Abaco-P

DP-51180 SERIES Direct Light Pendant



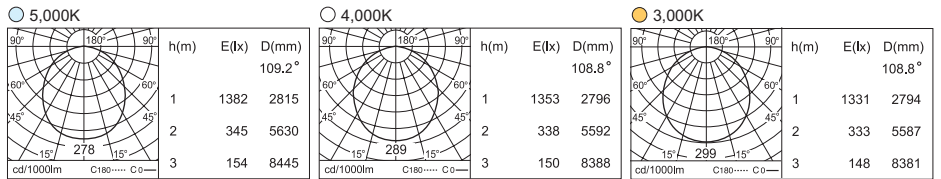
LED HOUSING	AL, Die-Casting, Electrostatic Powder Coating
COVER	PC
WIRE	STS / PVC
OPTION	Wireless Control (Bluetooth Module)

DP-51180

TYPE OF LED	SMD (144 LED)
INPUT VOLTAGE	220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
5,000K	36W	32W	106 lm/W	3,808 lm	34V DC	80	925mA DC
4,000K	36W	31W	106 lm/W	3,723 lm	34V DC	80	925mA DC
3,000K	35W	31W	104 lm/W	3,667 lm	34V DC	80	925mA DC

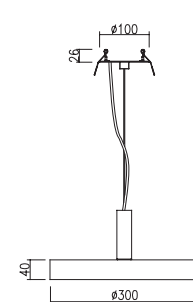
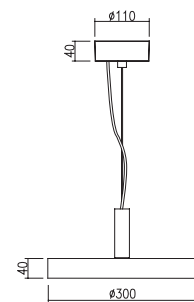
OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L70	50,000 hours at 25 °C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	5,000K 4,000K 3,000K



DP-51180.01 LED 36W



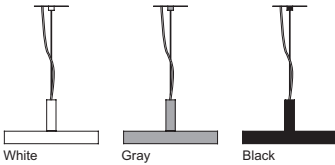
DP-51180.02 LED 36W



Ø 90mm (3 1/2")



Direct Light Pendant



Abaco-P

DP-51190

LED HOUSING	AL. Die-Casting, Electrostatic Powder Coating
COVER	PC
WIRE	STS / PVC or PIPE
OPTION	Wireless Control (Bluetooth Module)

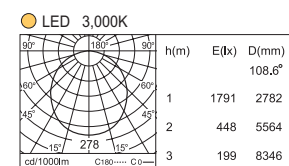
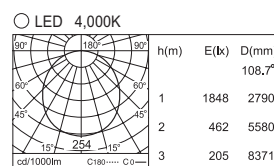
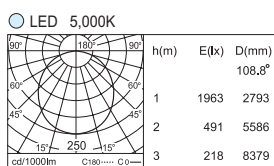
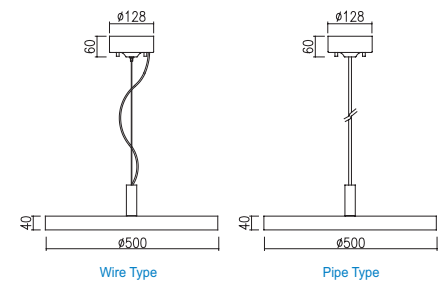
TYPE OF LED	SMD (280 LED)
INPUT VOLTAGE	220-240V AC , 50-60Hz (option : 100-240V AC , 50-60Hz)

COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
● 5,000K	46W	41W	117 lm/w	5,361 lm	39V DC	80	1,050mA DC
○ 4,000K	46W	41W	110 lm/w	5,044 lm	39V DC	80	1,050mA DC
● 3,000K	46W	40W	106 lm/w	4,890 lm	39V DC	80	1,050mA DC

OPERATING TEMPERATURE RANGE	-20 to +40°C
MAINTENANCE OF LUMEN -L70	50,000 hours at 25°C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	● 5,000K ○ 4,000K ● 3,000K

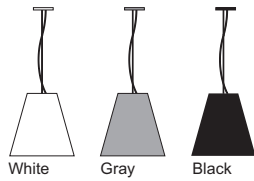


DP-51190 LED 46W



SMOOTH

Designed by Carlo Tamborini



LED PENDANT LIGHT | SMOOTH
DP-51260 SERIES



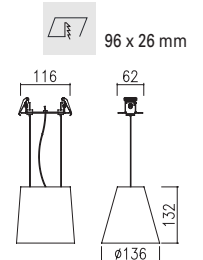
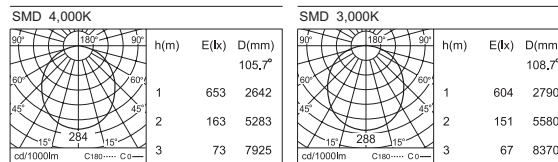
DP-51260

LED HOUSING AL. Die-Casting, Electrostatic Powder Coating
HEAT SINK AL. Die-Casting, Electrostatic Powder Coating
COVER PC
OPTION Wireless Control (Bluetooth Module)

TYPE OF LED SMD (48 LED)
INPUT VOLTAGE 220-240V AC , 50-60Hz

COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/W)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX CRI	OUTPUT CURRENT (mA)
○ 4,000K	20W	17W	84 lm/W	1,699 lm	35V DC	80	500mA DC
● 3,000K	20W	17W	82 lm/W	1,656 lm	35V DC	80	500mA DC

OPERATING TEMPERATURE RANGE -20 to +40 °C
MAINTENANCE OF LUMEN -L70 50,000 hours at 25 °C
COLOR RENDERING INDEX 80, 90
COLOR TEMPERATURE ○ 5,000K ○ 4,000K ● 3,000K



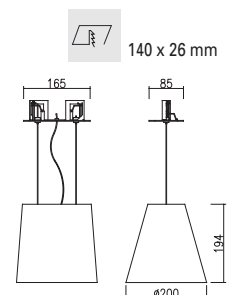
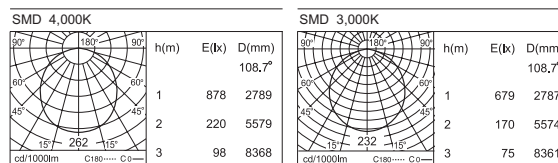
DP-51270

LED HOUSING AL. Die-Casting, Electrostatic Powder Coating
HEAT SINK AL. Die-Casting, Electrostatic Powder Coating
COVER PC
OPTION Wireless Control (Bluetooth Module)

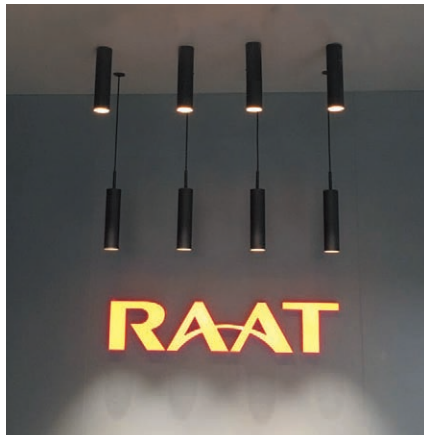
TYPE OF LED SMD (96 LED)
INPUT VOLTAGE 220-240V AC , 50-60Hz

INPUT POWER (W)	OUTPUT POWER (W)	COLOR TEMPERATURE (K)	SYSTEM EFFICIENCY (lm/W)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX CRI	OUTPUT CURRENT (mA)
○ 4,000K	27W	24W	89 lm/w	2,416 lm	34V DC	80	700mA DC
● 3,000K	28W	24W	67 lm/w	1,867 lm	35V DC	80	700mA DC

OPERATING TEMPERATURE RANGE -20 to +40 °C
MAINTENANCE OF LUMEN -L70 50,000 hours at 25 °C
COLOR RENDERING INDEX 80, 90
COLOR TEMPERATURE ○ 5,000K ○ 4,000K ● 3,000K

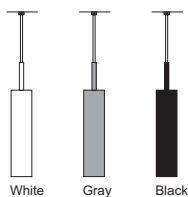



LONGER LED PENDANT LIGHT



Longer

Direct Light Pendant & Surface Mounted DownLight



HOUSING	AL. Extrude, Electrostatic Powder Coating
HEAT SINK	AL. Die-Casting, Electrostatic Powder Coating
REFLECTOR	PC (Vacuum Coating)
COVER	AL. Anodized Gold
OPTION	Wireless Control (Bluetooth Module) 

TYPE OF LED	COB								
INPUT VOLTAGE	220-240V AC , 50-60Hz								
MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)	
1,000 lm	3,000K	14W	12W	94 lm/w	1,335 lm	35V DC	80	350mA DC	

OPERATING TEMPERATURE RANGE	-20 to +40°C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25°C
COLOR RENDERING INDEX	80, 90
COLOR TEMPERATURE	○ 4,000K ● 3,000K

Beam Angle	h(m)	E(k)	D(mm)	Beam Angle		
				h(m)	E(k)	D(mm)
COB 3,000K cd/1000lm C180..... C0	1	10213	276	1	5057	475
	2	2553	552	2	1264	950
	3	1135	827	3	562	1424
COB 3,000K cd/1000lm C180..... C0	1	3044	727	1	1915	1455
	2	761	1455	2	338	2182
	3	338	2182			

LED PENDANT LIGHT | LONGER
DP-51220 SERIES



Surface Mounted
DownLight



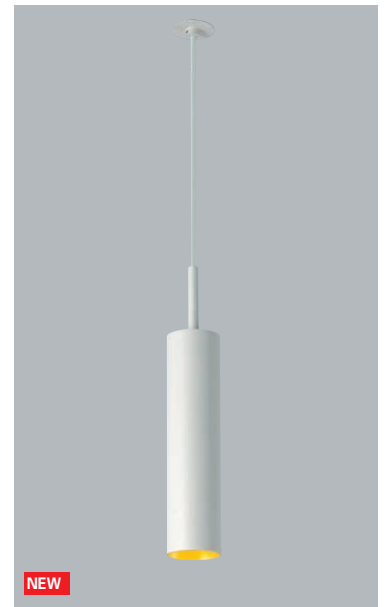
NEW

DP-51230



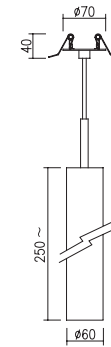
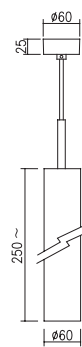
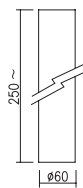
NEW

DP-51220.01 COB 14W



NEW

DP-51220.02 COB 14W



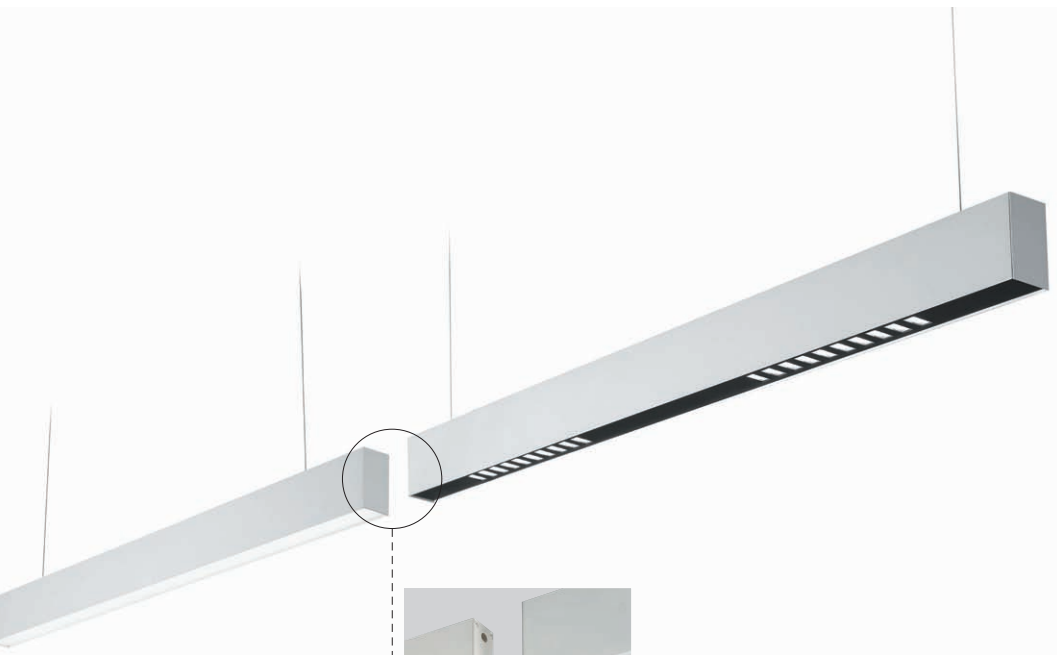
Ø 42mm

QUATTRO-P LED PENDANT LIGHT

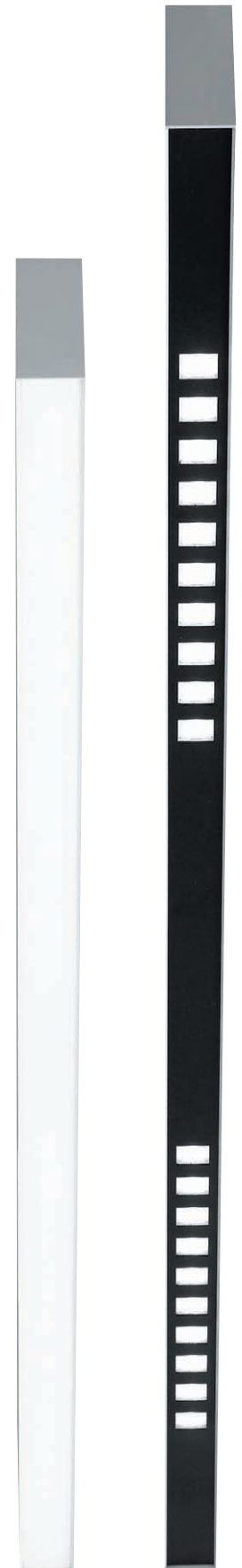


Quattro-Pendant

LINEAR PENDANT



MAGNETIC CONNECT





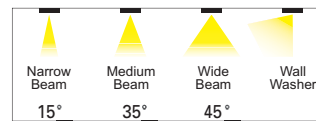
QUATTRO-P | LED PENDANT LIGHT
DP-51020.02 SERIES

Quattro

Direct Light Pendant & Surface Mounted Down Light

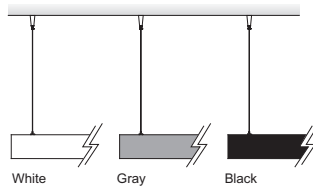


[Beam Angle of LENS]



HOUSING
COVER

AL. Extrude, Electrostatic Powder Coating
Alluminium or PC

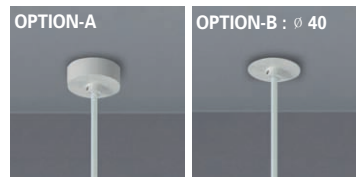


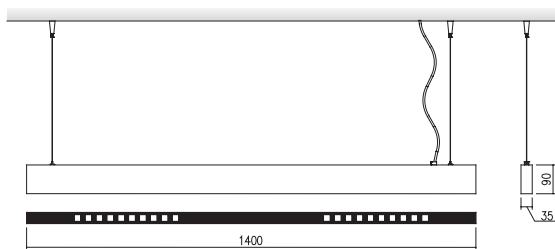
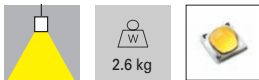
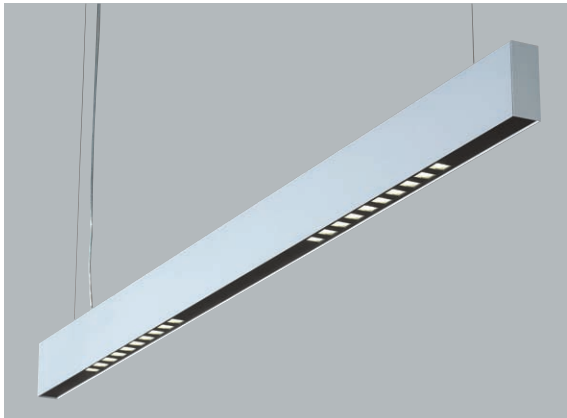
PENDANT



Surface Mounted Light

INSTALLATION OPTION





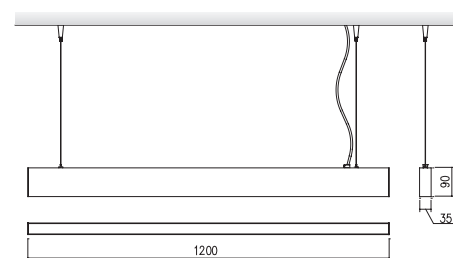
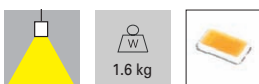
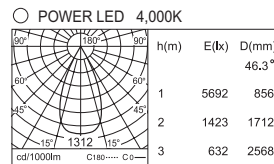
DP-59010

HOUSING AL. Extrude, Electrostatic Powder Coating
COVER Steel Plate & Lens(11°, 30°, 40°, 40/15°)
WIRE STS / PVC
OPTION Wireless Control (Bluetooth Module)

TYPE OF LED POWER LED
INPUT VOLTAGE 220-240V AC , 50-60Hz

COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX CRI	OUTPUT CURRENT (mA)
○ 4,000K	46W	42W	85 lm/w	3,843 lm	30V DC x 2	85	700mA DC x 2

OPERATING TEMPERATURE RANGE -20 to +40 °C
MAINTENANCE OF LUMEN -L70 50,000 hours at 25°C
COLOR RENDERING INDEX 80, 90
COLOR TEMPERATURE ○ 5,000K ○ 4,000K ● 3,000K



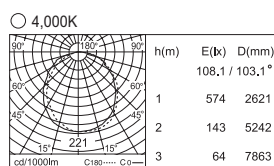
DP-59060

HOUSING AL. Extrude, Electrostatic Powder Coating
COVER PC
WIRE STS / PVC
OPTION Wireless Control (Bluetooth Module)

TYPE OF LED SMD (96 LED)
INPUT VOLTAGE 220-240V AC , 50-60Hz

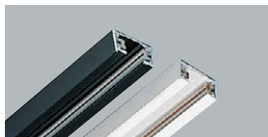
COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX CRI	OUTPUT CURRENT (mA)
○ 4,000K	25W	22W	62 lm/w	1,519 lm	36V DC	80	600mA DC

OPERATING TEMPERATURE RANGE -20 to +40 °C
MAINTENANCE OF LUMEN -L70 50,000 hours at 25°C
COLOR RENDERING INDEX 80, 90
COLOR TEMPERATURE ○ 5,000K ○ 4,000K ● 3,000K

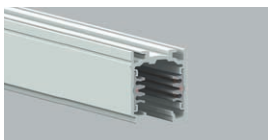


LIGHTING TRACK

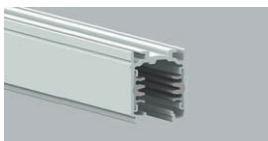
1-Circuit Track System

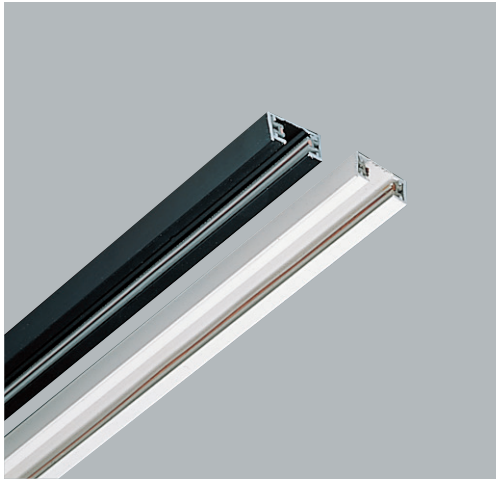


3-Circuit Track System

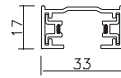


DALI Track System





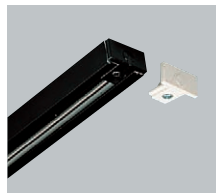
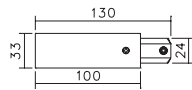
DR-101, 102, 103
1-Circuit Track System



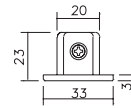
Track	Aluminum, Electrostatic Powder Coating (White, Black)
Spec	Single Circuit 2 Copper conductors (12A) Standard Length : 1m, 2m, 3m
DR-101	1m
DR-102	2m
DR-103	3m



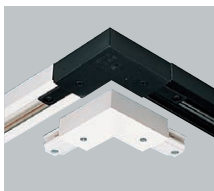
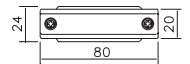
DR-105
Feed-in Cap / White, Black



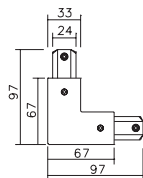
DR-106
End Cap / White, Black



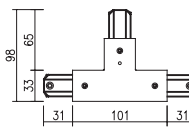
DR-107
Straight Connector / White, Black



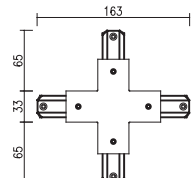
DR-108
L Connector / White, Black



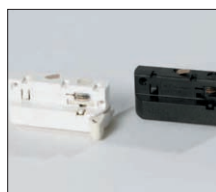
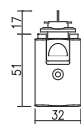
DR-110
T Connector / White, Black



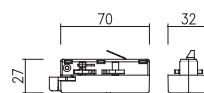
DR-111
X Connector / White, Black

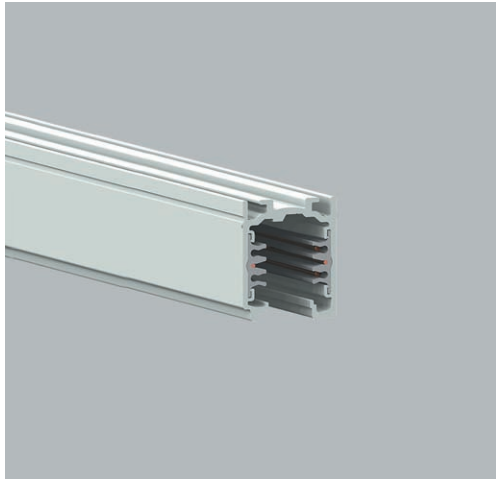


DR-152
Adapter / White, Black



DR-153
Adapter / White, Black





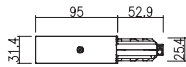
DR-301, 302, 303
3-Circuit Track System



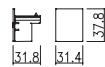
Track	Aluminum, Electrostatic Powder Coating (White, Black)
Spec	Three Circuit 4 Copper conductors (12A) Standard Length : 1m, 2m, 3m
DR-301	1m
DR-302	2m
DR-303	3m



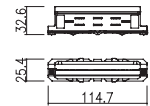
DR-305
Feed-in Cap / White, Black



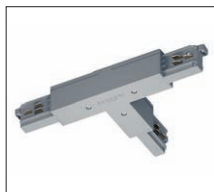
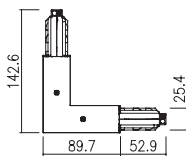
DR-306
End Cap / White, Black



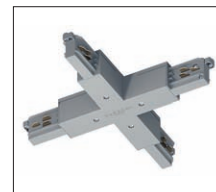
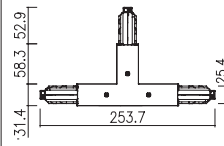
DR-307
Straight Connector / White, Black



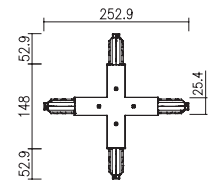
DR-308
L Connector / White, Black



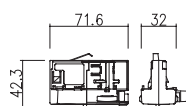
DR-310
T Connector / White, Black

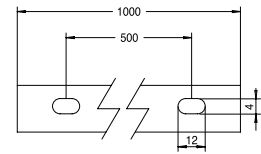
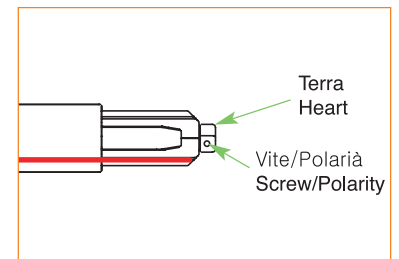


DR-311
X Connector / White, Black

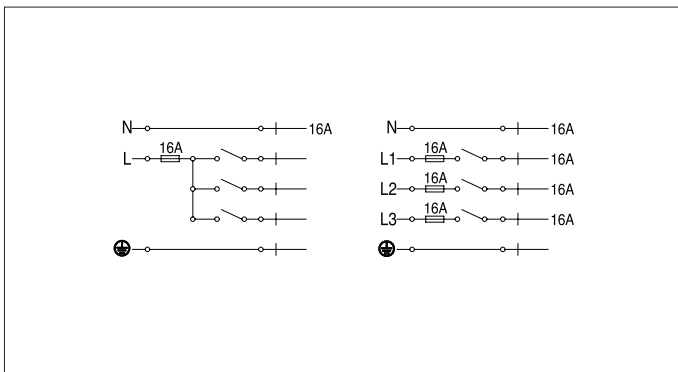


DR-351
Adapter / White, Black

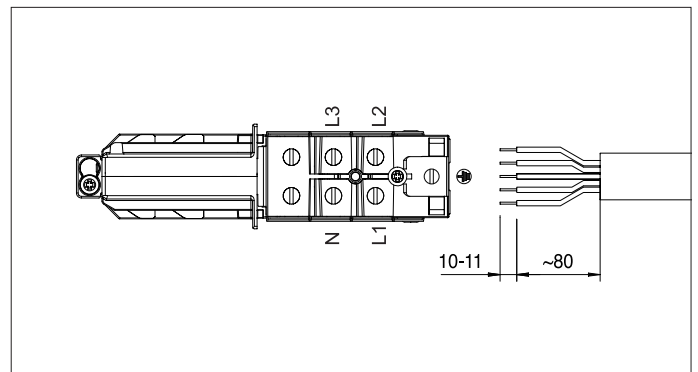




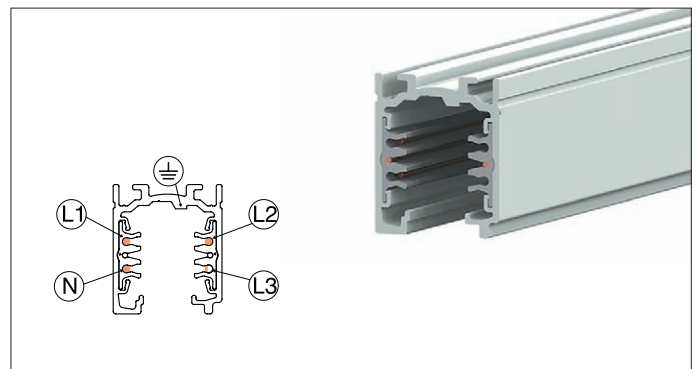
SCHEMATIC _ 회로도

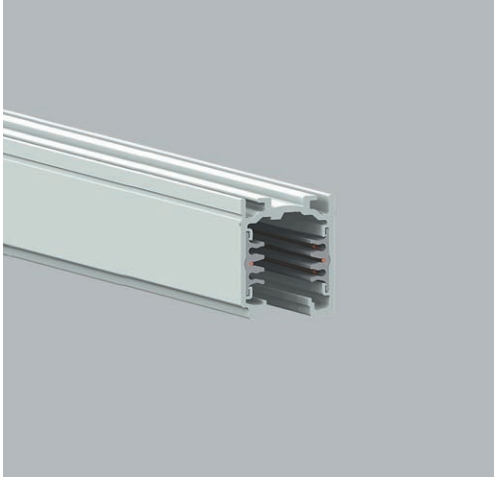


POWER GROUND CONNECTIONS _ 전원 접지 연결 시키는 법



POWER GROUND CONNECTIONS _ 전원 접지 연결 시키는 법

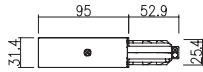
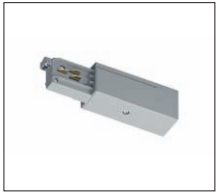




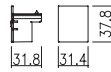
DR-401, 402, 403
DALI Track System



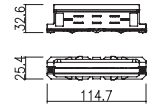
Track	Aluminum, Electrostatic Powder Coating (White, Black)
Spec	Three Circuit 6 Copper conductors (12A) Standard Length : 1m, 2m, 3m
DR-401	1m
DR-402	2m
DR-403	3m



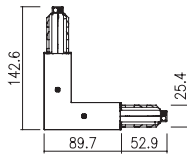
DR-405
Feed-in Cap / White, Black



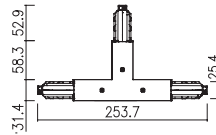
DR-406
End Cap / White, Black



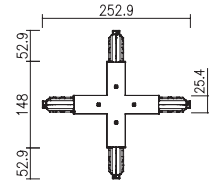
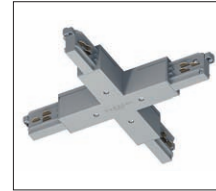
DR-407
Straight Connector / White, Black



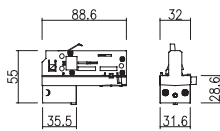
DR-408
L Connector / White, Black



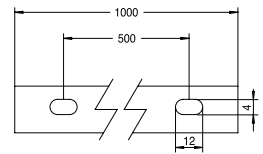
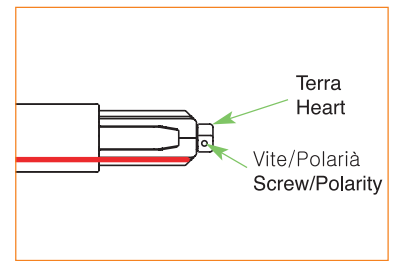
DR-410
T Connector / White, Black



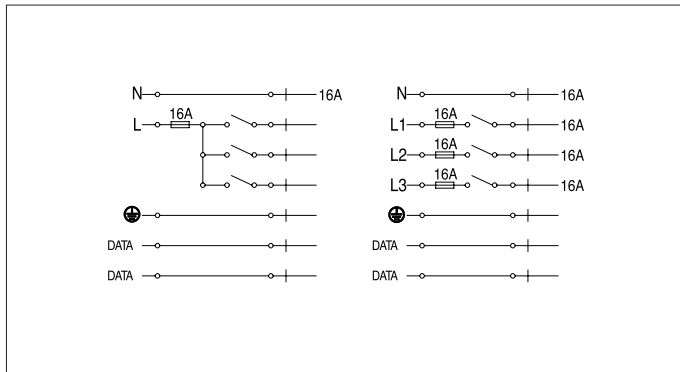
DR-411
X Connector / White, Black



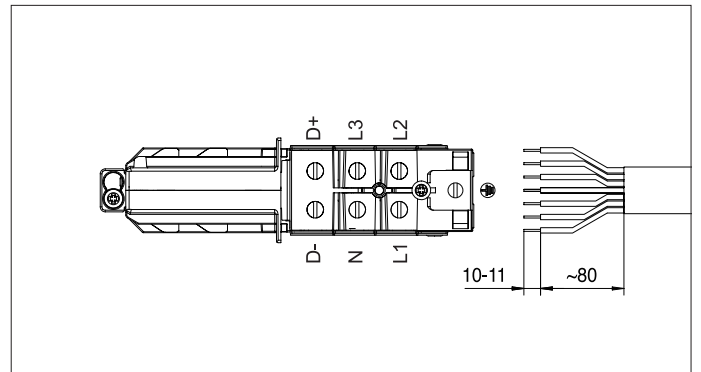
DR-451
Adapter / White, Black



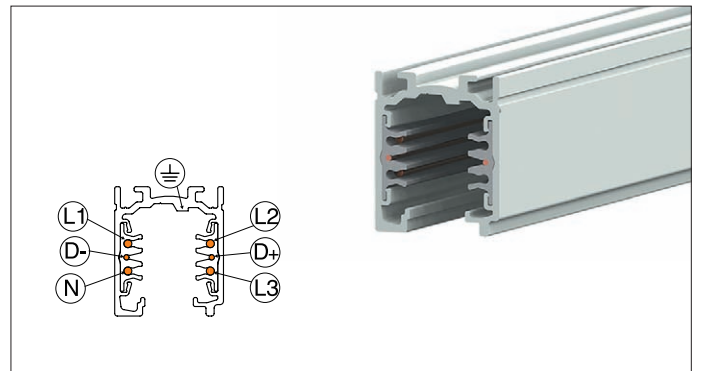
SCHEMATIC _회로도



POWER GROUND CONNECTIONS _전원 접지 연결 시키는 법



POWER GROUND CONNECTIONS _전원 접지 연결 시키는 법



 **SUNDIAL** LED FLOOD LIGHT
LED OUTDOOR LIGHT



Sundial

LED FLOOD LIGHT



DF-48170

These fixtures are round shape garden light. Easy installation and convenient maintenance. Simple and solid, AL. Die-casting body is light and has great durability.



DF-79012

These fixtures are round shape flood light. Easy installation and convenient maintenance. Simple and solid, AL. Die-casting body is light and has great durability. These series have an angle sign to easy to show tilt angle and assembling projection on the covers to attach accessories.

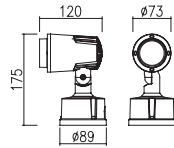


DF-79202

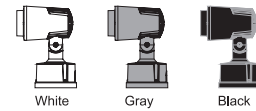
These fixtures are round shape flood light. Easy installation and convenient maintenance. Simple and solid, AL. Die-casting body is light and has great durability. These series have an angle sign to easy to show tilt angle and assembling projection on the covers to attach accessories.




Sundial Garden Spot



NEW DF-48170 COB 10W



TYPE OF LED : COB 

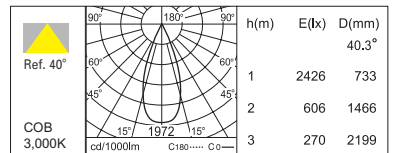
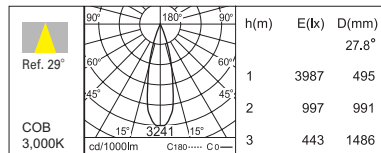
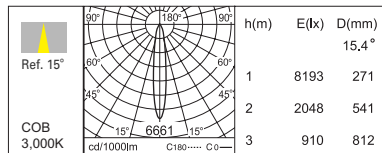


HOUSING & HEAT SINK	AL. Die-Casting, Electrostatic Powder Coating
DRIVER CASE	AL. Die-Casting, Electrostatic Powder Coating
REFLECTOR	PC (Vacuum Coating)
GLASS	Clear Tempered Glass
ACCESSORY	Peg : AL. Die-Casting
MOUNTING OPTION	Wall/ Vertical Surface Mounting Surface Mounting Peg Mounting

TYPE OF LED	COB
INPUT VOLTAGE	220-240V AC , 50-60Hz

MODULE LUMINOUS FLUX	COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
1,000lm	● 3,000K	10W	9W	104 lm/w	1,037 lm	34V DC	80	250mA DC

OPERATING TEMPERATURE RANGE	-20 to +35 °C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25 °C
COLOR RENDERING INDEX	80
COLOR TEMPERATURE	○ 4,000K ● 3,000K



Accessories

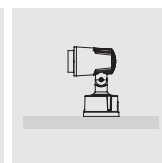


Peg
- AL Die-Casting
- Light Gray, Black, Dark Gray

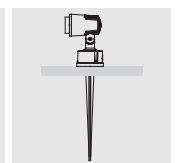
Examples



DF-48170-02
Wall / Vertical Surface
Mounting



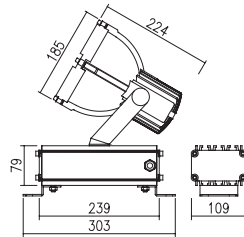
DF-48170-03
Surface Mounting



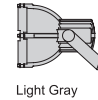
DF-48170-05
Peg Mounting



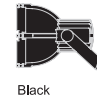
Sundial Flood Light



DF-79012 COB 61W



Light Gray



Black



Dark Gray

TYPE OF LED : COB



HOUSING & HEAT SINK

DRIVER CASE

REFLECTOR

GLASS

ACCESSORY

MOUNTING OPTION

AL. Die-Casting, Electrostatic Powder Coating

AL. Extrude, Electrostatic Powder Coating

AL. Anodized Specular Silver

Clear Tempered Glass

Fixed Hood : AL. Die-Casting

Peg : AL. Die-Casting

Bracket : AL. Plate

Wall/ Vertical Surface Mounting

Surface Mounting

Peg Mounting

Pole Mounting

TYPE OF LED

COB

INPUT VOLTAGE

220-240V AC , 50-60Hz

COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
● 3,000K	61W	54W	79 lm/w	4,766 lm	37V DC	80	1,460mA DC

OPERATING TEMPERATURE RANGE

-20 to +35 °C

MAINTENANCE OF LUMEN -L80

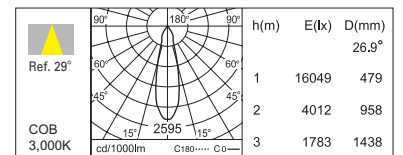
50,000 hours at 25 °C

COLOR RENDERING INDEX

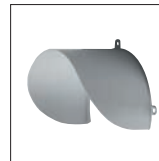
80

COLOR TEMPERATURE

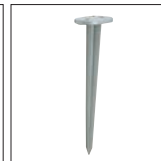
○ 4,000K ● 3,000K



Accessories

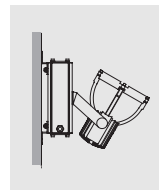


Fixed Hood
- Aluminium
- Light Gray, Black, Dark Gray

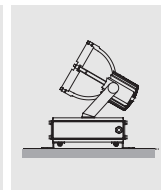


Peg
- AL Die-Casting
- Light Gray, Black, Dark Gray

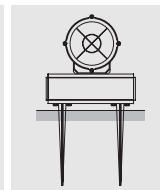
Examples



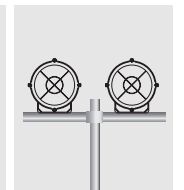
DF-79012-02
Wall / Vertical Surface Mounting



DF-79012-03
Surface Mounting



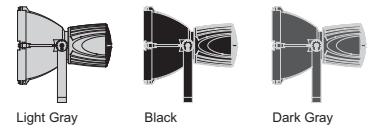
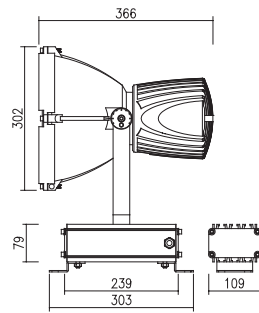
DF-79012-05
Peg Mounting



DF-79012-06
Pole Mounting



Sundial Flood Light



DF-79202 COB 106W

TYPE OF LED : COB





HOUSING & HEAT SINK	AL. Die-Casting, Electrostatic Powder Coating
DRIVER CASE	AL. Extrude, Electrostatic Powder Coating
REFLECTOR	AL. Anodized Specular Silver / Silicon LENS
GLASS	Clear Tempered Glass
ACCESSORY	Fixed Hood : AL. Die-Casting Peg : AL. Die-Casting Bracket : AL. Plate
MOUNTING OPTION	Wall/ Vertical Surface Mounting Surface Mounting Peg Mounting Pole Mounting

TYPE OF LED	COB						
INPUT VOLTAGE	220-240V AC , 50-60Hz						
COLOR TEMPERATURE (K)	INPUT POWER (W)	OUTPUT POWER (W)	SYSTEM EFFICIENCY (lm/w)	LUMINOUS FLUX (lm)	OUTPUT VOLTAGE (nominal)	COLOR RENDERING INDEX_CRI	OUTPUT CURRENT (mA)
● 3,000K	106W	91W	84 lm/w	8,816 lm	53V DC	80	1,700mA DC

OPERATING TEMPERATURE RANGE	-20 to +35 °C
MAINTENANCE OF LUMEN -L80	50,000 hours at 25 °C
COLOR RENDERING INDEX	80
COLOR TEMPERATURE	○ 4,000K ● 3,000K

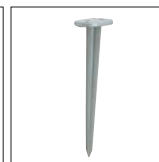


	90°	180°	90°	h(m)	E(lx)	D(mm)
 COB 3,000K cd/1000lm C180----C0=	60°	180°	60°	1	25291	477
	45°	180°	45°	2	6323	953
	15°	180°	15°	3	2810	1430
 COB 3,000K cd/1000lm C180----C0=	60°	180°	60°	1	14754	895
	45°	180°	45°	2	3689	1790
	15°	180°	15°	3	1639	2684

Accessories



Fixed Hood
- Steel
- Light Gray, Black, Dark Gray

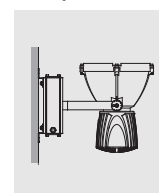


Peg
- AL. Die-Casting
- Light Gray, Black, Dark Gray

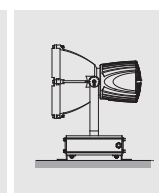


Hood Type

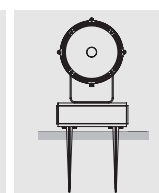
Examples



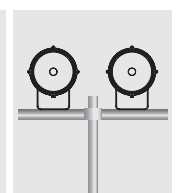
DF-79202-02
Wall / Vertical Surface
Mounting



DF-79202-03
Surface Mounting



DF-79202-05
Peg Mounting



DF-79202-06
Pole Mounting

i BITTA LED BOLLARD LIGHT
Designed by Bruno Gecchelin



Bitta

BOLLARD LIGHT & WALL BRACKET



DWB-76600



DWB-76610



DBO-75250

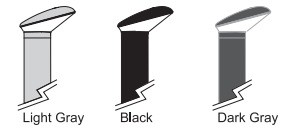


DBO-75260



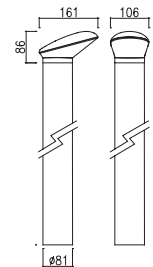
Bitta

POLE	AL. Extrude, Electrostatic Powder Coating
HEAD	AL. Die-Casting, Electrostatic Powder Coating
ACCESSORY	Diffuser_PC(sanding)
TYPE OF LED	SMD (36 LED)
INPUT VOLTAGE	100-240V AC , 50-60Hz
INPUT POWER	8W
LUMINOUS FLUX	428 lm
OUTPUT VOLTAGE	34V DC (nominal)
OUTPUT CURRENT	200mA DC (constant current)
COLOR RENDERING INDEX	80
OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L70	25,000 hours at 25 °C
COLOR TEMPERATURE	○ 4,000K ● 3,000K



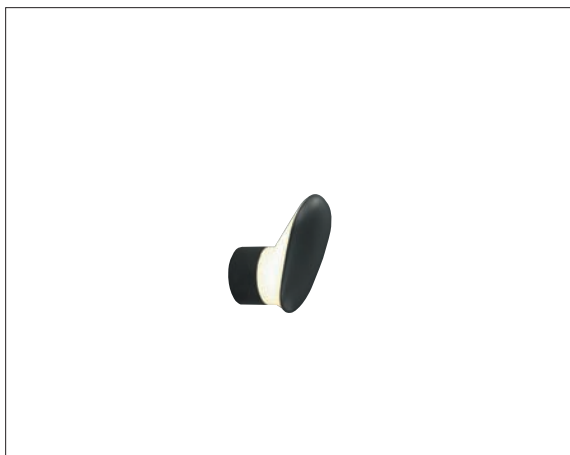
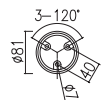
Bollard Light

DBO-75250 **NEW**



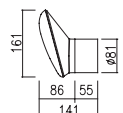
Weight : 1.5 kg

Anchor Base



Wall Bracket Light

DWB-76600 **NEW**

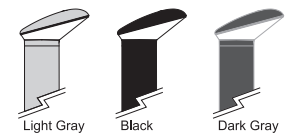


Weight : 0.6 kg



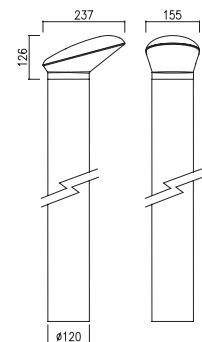
Bitta

POLE	AL. Extrude, Electrostatic Powder Coating
HEAD	AL. Die-Casting, Electrostatic Powder Coating
ACCESSORY	Diffuser_PC(sanding)
TYPE OF LED	SMD (72 LED)
INPUT VOLTAGE	100-240V AC , 50-60Hz
INPUT POWER	15W / 20W
LUMINOUS FLUX	15W (890 lm) / 20W (1,208 lm)
OUTPUT VOLTAGE	35V DC (nominal)
OUTPUT CURRENT	350mA DC (constant current)
COLOR RENDERING INDEX	80
OPERATING TEMPERATURE RANGE	-20 to +40 °C
MAINTENANCE OF LUMEN -L70	25,000 hours at 25 °C
COLOR TEMPERATURE	○ 4,000K ● 3,000K

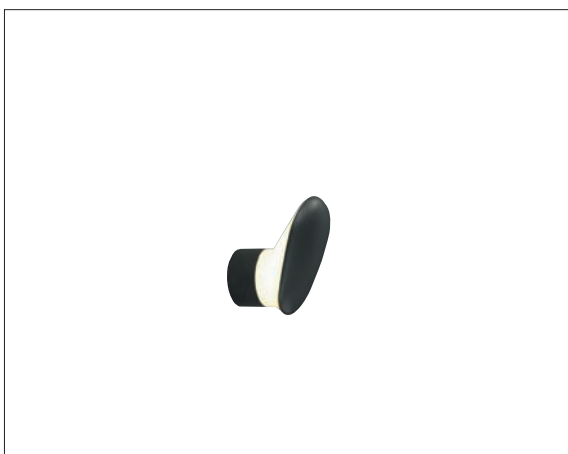
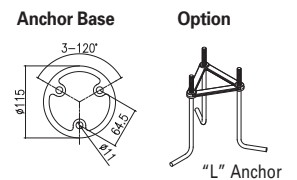


Bollard Light

DBO-75260 **NEW**

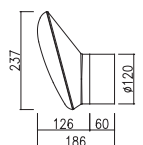


 Weight : 2.5 kg



Wall Bracket Light

DWB-76610 **NEW**



 Weight : 1.5 kg

SHARE LED BOLLARD LIGHT
LED OUTDOOR LIGHT



Share

BOLLARD LIGHT



DBO-75142 series

DBO-75162 series



Share

POLE	AL. Extrude, Electrostatic Powder Coating
HEAD	AL. Die-Casting, Electrostatic Powder Coating
ANCHOR BASE	AL. Die-Casting, Electrostatic Powder Coating
ACCESSORY	Diffuser_PC(sanding)
TYPE OF LED	SMD (36 LED)
INPUT VOLTAGE	100-240V AC , 50-60Hz
INPUT POWER	10W
OUTPUT VOLTAGE	24V DC (nominal)
OUTPUT CURRENT	350mA DC (constant current)
COLOR RENDERING INDEX	80
OPERATING TEMPERATURE RANGE	-20 to +40°C
MAINTENANCE OF LUMEN -L70	25,000 hours at 25°C
COLOR TEMPERATURE	○ 4,000K ● 3,000K



IP 54



Light Gray



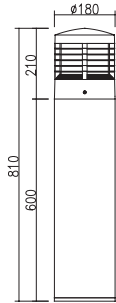
Black



Dark Gray



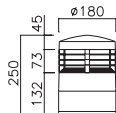
DBO-75142-01



Weight : 6.6 kg



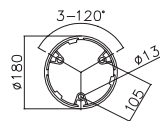
DBO-75142-02



Weight : 3.5 kg



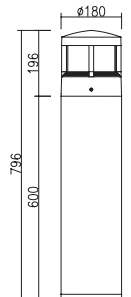
Anchor Base



Option



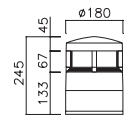
DBO-75162-01



Weight : 6.6 kg



DBO-75162-02



Weight : 3.5 kg

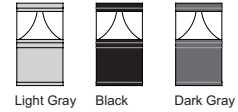
LUME LED BOLLARD LIGHT

LED OUTDOOR LIGHT

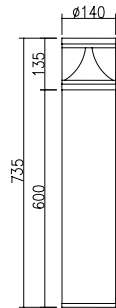


Lume

POLE	AL. Extrude, Electrostatic Powder Coating
HEAD	AL. Die-Casting, Electrostatic Powder Coating
REFLECTOR	AL. Spinning Processing, Electrostatic Powder Coating
ANCHOR BASE	AL. Die-Casting, Electrostatic Powder Coating
ACCESSORY	Diffuser_PC(sanding)
TYPE OF LED	SMD (48 LED)
INPUT VOLTAGE	100-240V AC , 50-60Hz
INPUT POWER	11W
OUTPUT VOLTAGE	25V DC (nominal)
OUTPUT CURRENT	350mA DC (constant current)
COLOR RENDERING INDEX	80
OPERATING TEMPERATURE RANGE	-20 to +40°C
MAINTENANCE OF LUMEN -L70	25,000 hours at 25°C
COLOR TEMPERATURE	○ 4,000K ● 3,000K



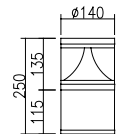
DBO-75230-01



 Weight : 3.7 kg



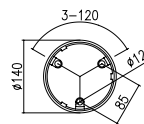
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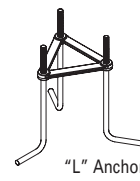
 Weight : 1.2 kg



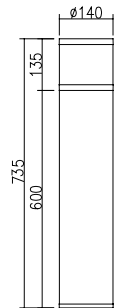
Anchor Base



Option



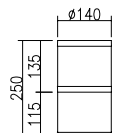
DBO-75240-01



 Weight : 3.7 kg



DBO-75240-02



 Weight : 1.2 kg





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RAAT 2018-2019
NEW LED LIGHTING

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