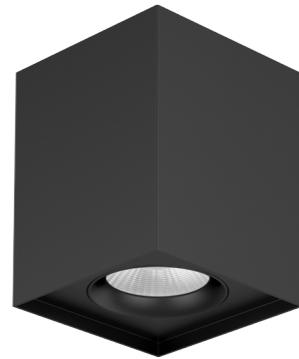


Crest SQ/SR 90

Surface Mounted Downlight IP54





Introduction

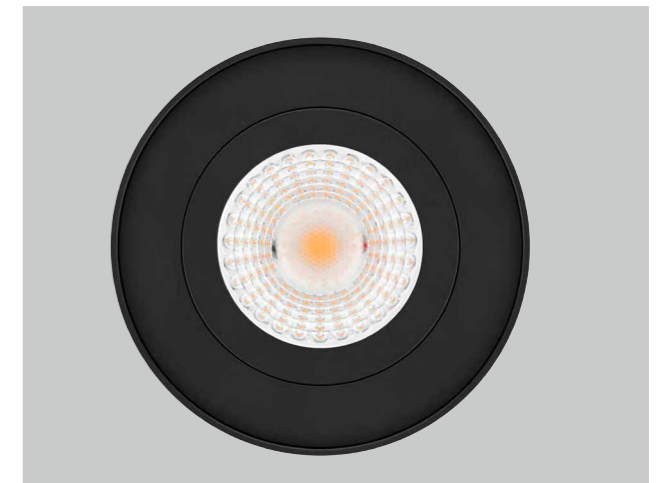
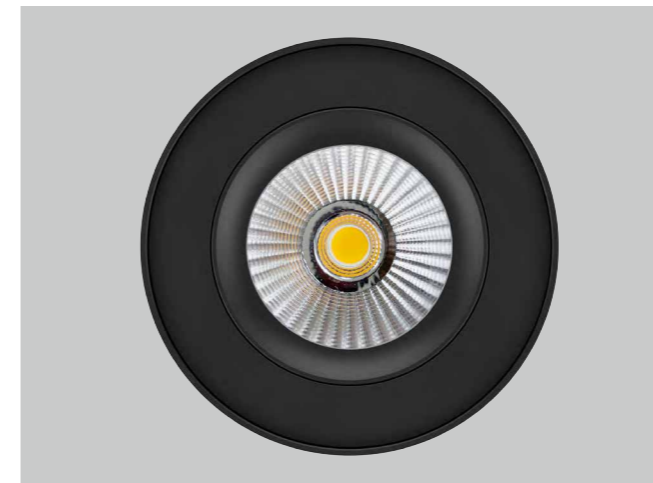
Surface mounted down light adopts brand COB, it has high transmittance lens and high reflective reflector options. The ADC12 heat sink and multi-layer structure provide excellent thermal dissipation; Adjustable lighting direction-rotate 360°in horizontal and 23°in vertical- offer all possible lighting effects. Built-in driver solution both in dim and Non-dim version achieves great dimming compatibility with the worldwide brand dimmers.

Features

- Adjustable lighting direction: 360°in horizontal and 23°in vertical.
- High lumen efficiency,100lm/W.
- Finish color: White/Black/Silver
- Lens/ reflector versions optional.
- Quick-connect terminal for easier installation.
- Triac dimmable available.
- Internal driver.

Application Areas

It is designed for general lighting applications in hotel, home, office, shop etc. It is also widely used for public areas such as stairway, lobby, reception, corridors etc.

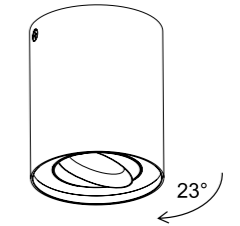
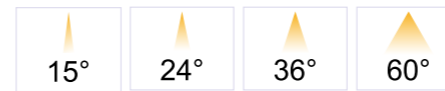




- Reflector Curved
- Reflector Flat
- Lens Curved
- Lens Flat

Technical Data Sheet

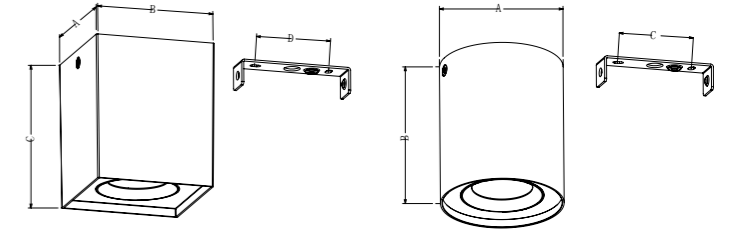
Code No.	GUCRE-6W-SR Round / GUCRE-6W-SQ Square	GUCRE-10W-SR Round / GUCRE-10W-SQ Square
Dimension(mm)	Ø90*108 (round) / 90*90*108(square)	
Cutout (mm)	-	
Watt(W)	6W	10W
Rated Input Voltage(V)	230V	
Input Voltage(V)	180-264V	180-265V
LED Module Input	-	
Light Source	COB	
SDCM	-	
CCT(K)	1-CCT: 2700K / 3000K / 4000K / 5000K	
CCT Selection DIP Switch	NO	
Luminous Flux (lm) ±5%	Lens: 480-710 Reflector: 520-730	700-1060 740-1090
CRI	≥80, ≥90	
Beam Angle (°)	15° / 24° / 36° / 60°	
UGR	-	
LED Driver	Built-in	
Dimming Option	Triac	
Sensor	NO	
Emergency Kits	NO	
Electrical Class	Class I	
Ingress Protection (IP Rating)	IP20 (for other part) / IP54 (only for the LED cover)	
Impact Resistance (IK Rating)	IK06	
Product Finishing(Base)	White / Black / Silver	
Materials of Optics	PC	
Materials of Housing	Die-casting	
Lifetime (hr)	50,000h	
Glow wire test (°C)	750°C	
Operating Temp. (°C)	-20°C ~45°C	
Storage Temp. (°C)	-20°C ~65°C	
Installation	Surface mount	



Tilt 23° in all directions(360°)

Measurement

Model	Dimension(mm)				Size(mm)
	A	B	C	D	
GUCRE-6W-SR Round	90	108	56	-	Ø90*108
GUCRE-10W-SR Round	90	108	56	-	Ø90*108
GUCRE-6W-SQ Square	90	90	108	56	90*90*108
GUCRE-10W-SQ Square	90	90	108	56	90*90*108



Driver Datasheet (Non-dimmable)

Total load wattage		6W	10W
Output	Output Voltage range	28-40V	
	Rated output current	140mA	230mA
	Line Regulation	±5%	
	Setup, Rise Time	<0.5S	
	Flickering Index	-	
Input	Input Voltage	180-264V	180-265V
	Rated Input Voltage(V)	200-240V	200-240V
	Frequency	50/60Hz	
	Input Current	0.04A	0.07A
	Rated Input Current	0.04A	0.06A
	Power Factor	0.9	
	THD	<20% @230V	
	Efficiency	80%	
	No load wattage	0.5W	0.5W
	Protection	Short circuit protection	Pass
Over voltage protection		Pass	
Over temperature protection		Pass	
Safety & EMC	Withstand voltage	I/P-O/P:3.75KVac, <5mA 60S; I/P-FG:1.6KVac, <5mA 60S; O/P-FG:0.5KVac, <5mA 60S	
	Isolation Resistance	I/P-O/P: 500VDC, ≥100M Ω	
	Surge	IEC/EN61000-4-5(P<25W; L-N:500V, L/N-PE:1KV);	
	EMC Emission	EN55015, EN61000-3-2	
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11; EN61547	

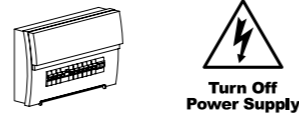
Driver Datasheet (Triac Dimmable)

Total load wattage		6W	10W
Output	Output Voltage range	30-40V	30-40V
	Rated output current	130mA	220mA
	Line Regulation	±5%	
	Setup, Rise Time	≤1S	
	Flickering Index	-	<10%
Input	Input Voltage	200-240V	
	Rated Input Voltage(V)	230V	
	Frequency	50Hz	
	Input Current	0.04A	0.06A
	Rated Input Current	0.03A	0.05A
	Power Factor	0.9	
	THD	-	
	Efficiency	≥78%	
	No load wattage	1W	
	Protection	Short circuit protection	Pass
Over voltage protection		Pass	
Over temperature protection		Pass	
Safety &EMC	Withstand voltage	I/P-O/P:3.75kVac, <5mA 60S; I/P-FG:1.6kVac, <5mA 60S; O/P-FG:0.5kVac, <5mA 60S	
	Isolation Resistance	I/P-O/P: 500VDC, ≥100M Ω	
	Surge	IEC/EN61000-4-5(P<25W; L-N:500V, L/N-PE:1KV);	
	EMC Emission	EN55015, EN61000-3-2	
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11; EN61547	

Installation Procedure

WARNING ⚡

- 1.Switch off power supply before installation / maintenance.
- 2.Switch on after completing installation and examination of the circuit.
- 3.The downlight must be installed and maintained by professional electrician.

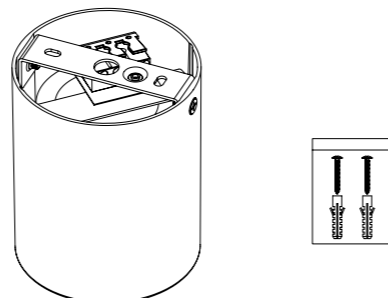


Turn off power supply before installation. Read instructions and make sure you have all the tools and accessories before installation.

Surface mount

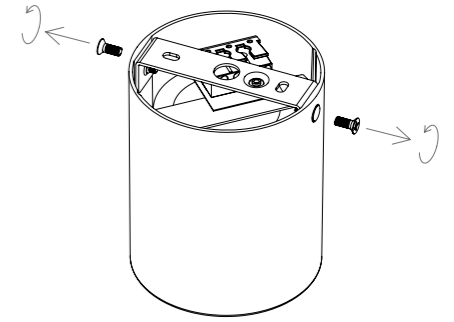
Step 1

Take out the lamp and accessory pack.



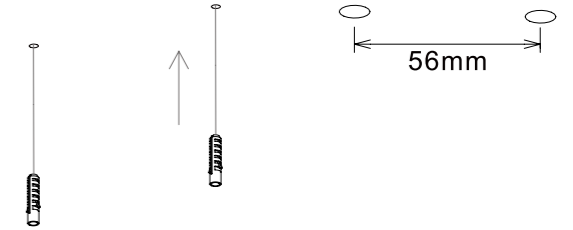
Step 2

Loosen the screws on surface mounted frame.



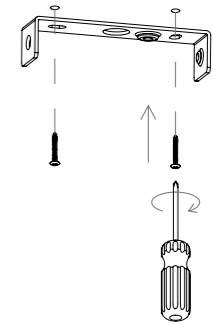
Step 3

Knock the anchor into the ceiling according to the hole distance.



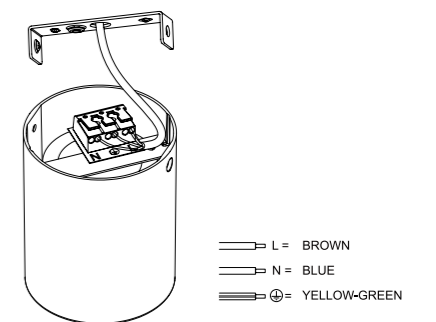
Step 4

Fix the frame by screws.



Step 5

Fix the "L""N""G"into the terminal block.



Step 6

Screw back the lamp to the frame according to step 2, adjust the lighting direction.

