



**REVOLVE120
COB Downlight and Spotlight**

REVOLVE120 Spotlight



REVOLVE120 Downlight Range



REVOLVE120 COB Downlight and Spotlight

REVOLVE120 Spotlight and Downlight family has professional COB optical design, with an elegant appearance and sustainable performance. Because of its multiple cutout options (70/100/150/200mm) it is the right solution for a variety of applications ranging from retail to commercial. The new REVOLVE120 has an efficacy of up to 105 lm/W making it more than 50% energy efficient than conventional lighting. It has a color rendering index of >80 with crisp lighting effect and high quality aluminum body which makes it the ideal lighting solution.

Professional spotlight and COB downlight range for robust, reliable and energy efficient lighting needs in commercial spaces.



Applications

- Retail
- Commercial Buildings
- Shopping Mall
- Residential
- Hospitality
- Office Areas

Features and Benefits

Comprehensive Range

Perfect COB downlight and spotlight solution for retail, hospitality and commercial applications with multiple cutout options (70/100/150/200mm).

Energy Efficient and Long Lifetime

High efficacy up to 105 lm/W with lumen choices from 700lm to 4000lm. Long service lifetime of 50,000 hours.

Attractive Design

Elegant look and feel with front glass plus frosted point and powder coated aluminum body.

High Light Quality

Excellent color rendering with CRI >80.

Up to 4000 Lumens

Front Glass Cover

COB Design

4 Cut-Out Options

Aluminum body

Technical Specifications

| | Spotlight | | COB Downlight | | | |
|---------------------------------------|--|--|--|--|--|--|
| | 7W | 10W | 20W | 30W | 40W | |
| Power Consumption (System) ±10% | 7W | 10W | 20W | 30W | 40W | |
| Lumen Output (typ.Avg) (lm) ±10% | 665lm@3000K 700lm@4000K 700lm@6500K | 900lm@3000K 950lm@4000K 950lm@6500K | 1900lm@3000K 2100lm@4000K 2100lm@6500K | 2850lm@3000K 3150lm@4000K 3150lm@6500K | 3600lm@3000K 4000lm@4000K 4000lm@6500K | |
| CRI | >80 | | | | | |
| SDCM | (3000K/4000K;<5) | | | | | |
| Beam Angle | 110°±10° | | | | | |
| Input Voltage and Frequency | 220-240V, 50/60Hz | | | | | |
| Protection Class | Class II | | | | | |
| Fuse or Short-Circuit Protection | Short-Circuit Protection | | | | | |
| Power Factor (System) | 0.5 | 0.5 | 0.5 | 0.9 | 0.9 | |
| System Efficacy (lm/W) ±10% | 95lm/w@3000K 100lm/w@4000K 100lm/w@6500K | 90lm/w@3000K 95lm/w@4000K 95lm/w@6500K | 95lm/w@3000K 105lm/w@4000K 105lm/w@6500K | 95lm/w@3000K 105lm/w@4000K 105lm/w@6500K | 95lm/w@3000K 105lm/w@4000K 105lm/w@6500K | |
| Surge Protection | 1KV | | | | | |
| Housing Material | Aluminium + Clear Glass with Frosted point | | | | | |
| Reflector/Lens Material (LG) | Aluminium | | | | | |
| Cover Material (Diffuser) | Aluminium | | | | | |
| Front Protection | Front Glass clear with centr frosting | | | | | |
| Salt Spray | 48H for springs and screws | | | | | |
| Mounting | Recessed Installation | | | | | |
| Cut Off Size | φ75-80mm | φ100-110mm | φ140-150mm | φ190-210mm | φ190-210mm | |
| Power Connection | 2×0.75mm ² | | | | | |
| Size (LxWxH) + Considerations | φ90x32mm | φ120×45mm | φ166×45mm | φ225×45mm | φ225×45mm | |
| Weight (Kg) | 150g±10% | 235g±10% | 390g±10% | 680g±10% | 680g±10% | |
| Operating Temperature Range (°C) | -20°C to +40°C | | | | | |
| Operating Relative Humidity Range (%) | RH 0~90°C | | | | | |
| Application Scenarios | Indoor | | | | | |
| Lifetime | 50000 Hrs L60B50 @ta25°C | | | | | |

*Data subject to change

Product List

| Product Description | Product Type |
|--------------------------------------|---------------|
| REVOLVE120 COB DL LED6/830 PSU D75 | Spotlight |
| REVOLVE120 COB DL LED7/840 PSU D75 | Spotlight |
| REVOLVE120 COB DL LED7/865 PSU D75 | Spotlight |
| REVOLVE120 COB DL LED9/830 PSU D100 | COB Downlight |
| REVOLVE120 COB DL LED10/840 PSU D100 | COB Downlight |
| REVOLVE120 COB DL LED10/865 PSU D100 | COB Downlight |
| REVOLVE120 COB DL LED19/830 PSU D140 | COB Downlight |
| REVOLVE120 COB DL LED21/840 PSU D140 | COB Downlight |
| REVOLVE120 COB DL LED21/865 PSU D140 | COB Downlight |
| REVOLVE120 COB DL LED28/830 PSU D190 | COB Downlight |
| REVOLVE120 COB DL LED31/840 PSU D190 | COB Downlight |
| REVOLVE120 COB DL LED31/865 PSU D190 | COB Downlight |
| REVOLVE120 COB DL LED36/830 PSU D190 | COB Downlight |
| REVOLVE120 COB DL LED40/840 PSU D190 | COB Downlight |
| REVOLVE120 COB DL LED40/865 PSU D190 | COB Downlight |

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