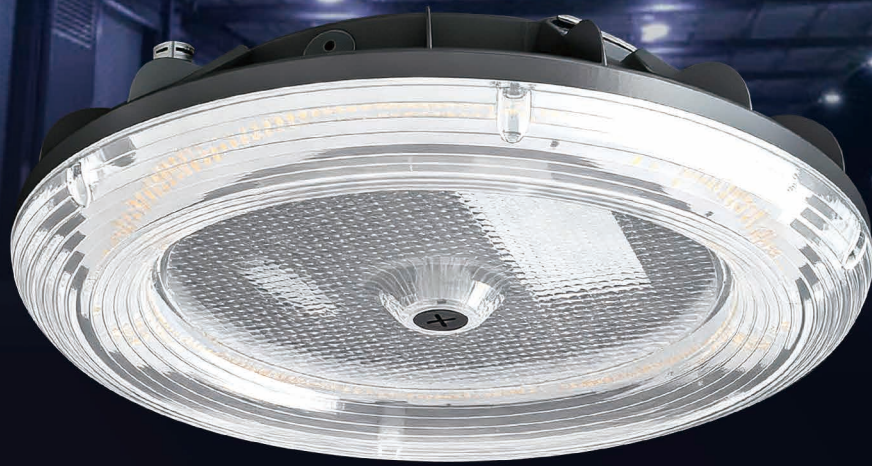




CLR SERIES

ROUND CANOPY LIGHT

INTRODUCTION

The FGE-CLR Series Round Canopy Light is designed for parking garages, gas stations, corridors, and other covered commercial or industrial areas requiring bright, uniform illumination. Featuring high-efficacy LED chips and a precision optical diffuser, it delivers up to 150 lm/W of glare-free light, enhancing visibility and safety while minimizing energy costs.

Constructed with a durable die-cast aluminum housing and impact-resistant polycarbonate lens, the CLR Series offers IP65 and IK08 protection, ensuring long-lasting performance in demanding environments. Its slim, low-profile design allows for easy surface or pendant installation, fitting seamlessly into various architectural spaces.

Compatible with 0–10V dimming and motion sensor options, the FGE-CLR enables intelligent energy management and adaptive lighting control. With a 100,000-hour lifetime and 5/7/10 years warranty, it provides a dependable, low-maintenance lighting solution for modern canopy and ceiling-mounted applications.



FEATURES



Wattage Selectable: Multi-wattage options in a single fixture for flexible applications and reduced inventory.



Easy Installation and Maintenance:

Reduce installation time and maintenance labor, effectively lowering overall operational costs.



3 CCTS Tunable: Adjustable color temperature to suit diverse environments.



Plug & Play Sensor Options: Provides smart lighting control to improve energy efficiency and convenience.



High Efficacy & Energy Saving: Up to 150 lm/W, reducing energy consumption by over 60% compared with HID fixtures.



90 Minutes EM Back-up Options:

Ensuring safety and visibility during critical moments.



Smart Control Ready: Compatible with 0–10V/DALI dimming, optional microwave/infrared sensor, and emergency kit.



Reliable Warranty: 5 / 7 / 10 Years Warranty Options.

– Advanced Optical Design:

High-transmittance PC lens with 150° beam options, ensuring uniform illumination and glare reduction.

– Robust Protection:

IP65 waterproof & dustproof, IK08 impact resistance for harsh industrial environments.

– Superior Thermal Management:

Die-cast cold-rolled steel housing with optimized heat sink for reliable performance.

– Versatile Mounting Options:

Ceiling, and pole mounting for flexible installation.

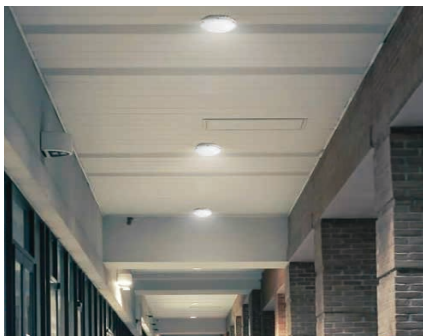
– Wide Input Voltage:

AC120–277V, suitable for global power grids.

APPLICATIONS



Loading Docks: Resist weather elements while delivering bright light for nighttime operations.



Walkways or Corridor: Providing bright, uniform illumination for safety and visibility.



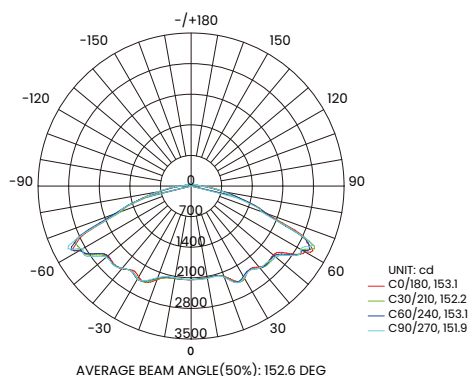
Parking Garages & Tunnels: Ensure consistent lighting for navigation and security in enclosed, damp environments.

TECHNICAL PARAMETERS

Product Model	CLR-80W	CLR-120W
Electrical Performance		
Wattage Selectable	80W/60W/45W	120W/100W/80W
Input Voltage	AC120-277V	AC120-277V
Frequency	50/60Hz	50/60Hz
Power Factor (PF)	>0.9	>0.9
Surge Protection	6KV	6KV
THD	<20%	<20%
Optical Performance		
Luminous Efficacy	150lm/W	150lm/W
Luminous Flux	12000lm/9000lm/6700lm	18000lm/15000lm/12000lm
CCT Selectable	3000K/4000K/5000K	3000K/4000K/5000K
CRI	Ra>80	Ra>80
Beam Angle	150°	150°
Unified Glare Rating (UGR)	<28	<28
Reliability		
Lifetime	>100,000h, L70 @25°C	>100,000h, L70 @25°C
Operating Temperature	-40 ~ +45°C	-40 ~ +45°C
Storage Temperature	-40 ~ +70°C	-40 ~ +70°C
Ingress Protection	IP65	IP65
Impact Resistance	IK08	IK08
Control		
Dimming	0-10V/DALI	0-10V/DALI
Sensor	Motion Sensor	Motion Sensor
Communication Protocol	Bluetooth/Zigbee/LoRa	Bluetooth/Zigbee/LoRa
Emergency Kit	8W Battery Backup	8W Battery Backup
Mechanical		
Housing Material	Die-cast Aluminum	Die-cast Aluminum
Lens Material	Polycarbonate	Polycarbonate
Coating	Brown/RAL9003	Brown/RAL9003
Net Weight	1.88kg	2.75kg
Dimensions	Φ285x86mm	Φ345x86mm
Warranty	5/7/10 Years	5/7/10 Years

PHOTOMETRICS

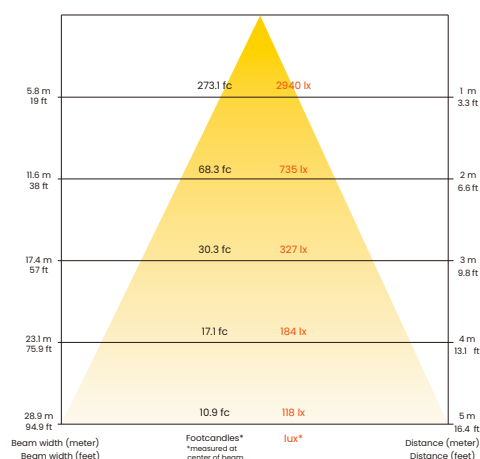
Luminous Intensity Distribution Diagram



150°

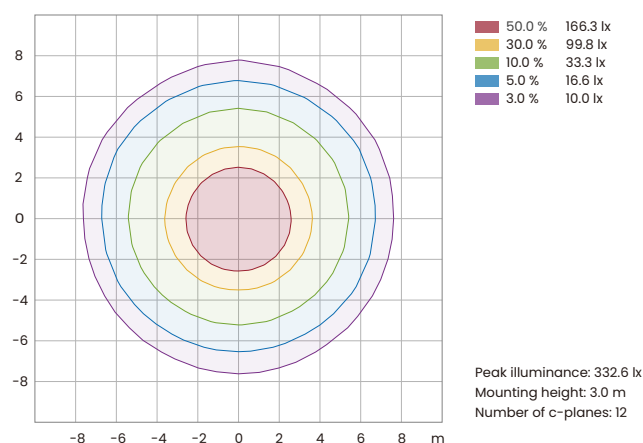
ILLUMINANCE DISTRIBUTION

Illuminance at A Distance



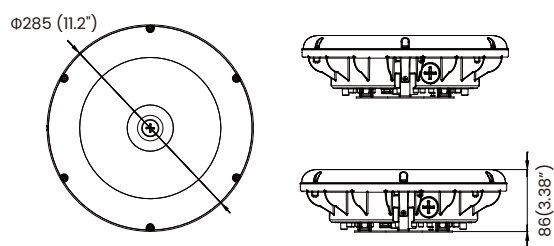
150°

Iso-illuminance Diagram (Iso-lux)

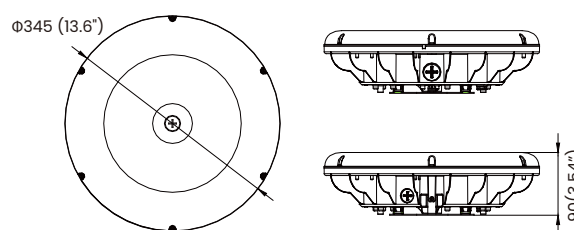


150°

MECHANICAL DIMENSIONS



80W/60W/45W



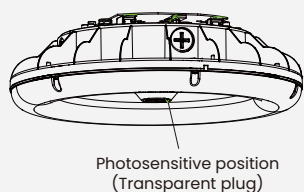
120W/100W/80W

Product Model	CLR-80W	CLR-120W
Wattage Selectable	80W/60W/45W	120W/100W/80W
Outer box (L*W*H)	510x340x350mm (20.1"x13.4"x13.8")	530x400x410mm (20.8"x15.7"x16.2")
Q'ty/Ctn	4pcs	4pcs
N.W./Ctn	7.5kg/16.53lbs	11kg/24.25lbs
G.W./Ctn	9.0kg/19.84lbs	12.5kg/27.56lbs
Remarks	1.8M cable	1.8M cable

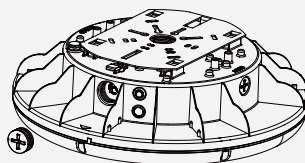
INSTALLATION

Step of Adjusting Color Temperature and Power

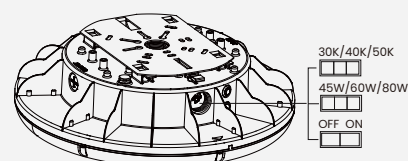
1. Place the fitting face up.



2. Use a screwdriver to remove the screws from the switch box cover and remove the switch box cover.

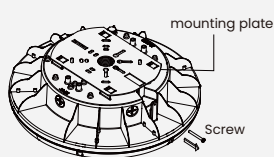


3. According to the requirements of the color temperature and power switch to the designated location.

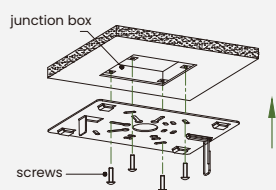


Ceiling Installation

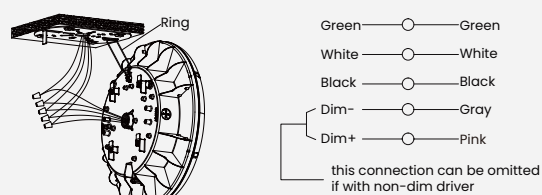
1. Loosen the screw to take off the mounting plate from the lamp.



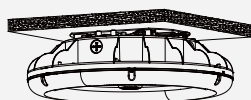
2. Use screws to lock the mounting plate on the embedded junction box.



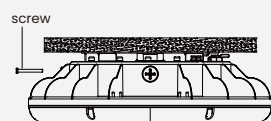
3. Hang the lamp on the ring so as to connect wires with terminal caps.



4. Hook up lamp on the mounting plate.

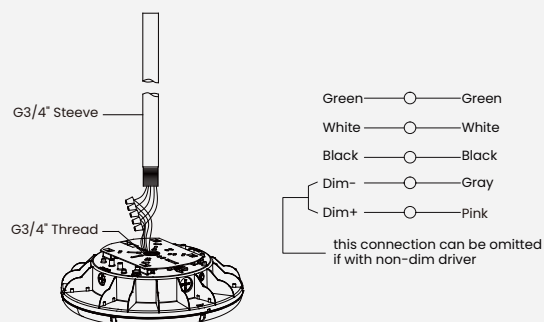


5. Secure the screw. Installation completed.

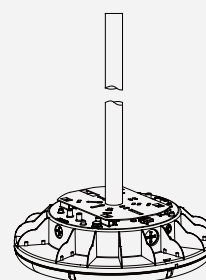


Pole-pendant Installation

1. Connecting wires with terminal caps as picture shows.



2. Rotating the steeve to make it fixed with lamp. Installation completed.



ACCESSORIES



Microwave
Motion Sensor

ORDER INFORMATION

CLR-YY-YY-YY-Y

1 2 3 4 5 6 7 8

1 CLR Series Round Canopy Light

2 Wattage

80W	80W/60W/45W
120W	120W/100W/80W

3 Color Temperature

30K	3000K
40K	4000K
50K	5000K/4000K/3000K selectable

4 Voltage

(Blank)	120-277V
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5 Dimmable

D	0-10V Dimming
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6 Optics

(Blank)	150°
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7 Control

(Blank)	No Socket
S	Sensor Socket
C	Control Module

8 Options

(Blank)	1.8M cord
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WARRANTY PERIOD
5/7/10 YEARS
WARRANTY OPTIONS



WARRANTY COVERAGE
**LED LIGHT SOURCE,
DRIVER**



AFTER-SALES
SERVICE COMMITMENT
24H RESPONSE



AFTER-SALES
SERVICE COMMITMENT
72H RESOLUTION/REPLACEMENT