



CLE SERIES

GAS STATION LED CANOPY LIGHT

INTRODUCTION

The FGE-CLE Series Gas Station LED Canopy Light is designed for gas stations, parking garages, driveways, gyms, and other covered commercial or industrial spaces requiring reliable, uniform illumination.

Built with professional optical technology, the CLE Series delivers 150 lm/W efficacy, providing wide, even light distribution with minimal glare to enhance visibility and safety while reducing energy consumption. Its durable construction features a large, high-efficiency aluminum heat sink for superior thermal management, ensuring long-lasting performance. The UV-stabilized, one-piece polycarbonate lens offers excellent impact resistance, while the integrated driver allows for easy installation and operation.

ETL-classified for safety, the CLE Series eliminates electrical shock and fire hazards. With a rugged design built for demanding environments, this fixture is ideal for canopy and high bay applications, offering a dependable, low-maintenance lighting solution for modern commercial spaces.



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.



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



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



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

- Robust Protection:

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

- Superior Thermal Management:

Die-cast aluminum 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.



Gas Station Canopy: Providing bright, uniform illumination for fueling areas, enhancing visibility, safety, and customer comfort.



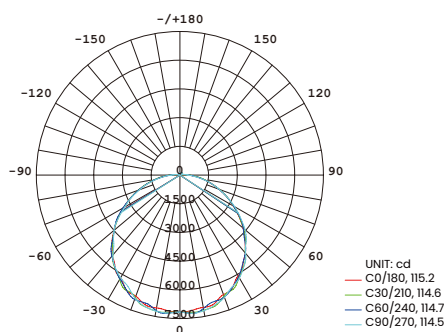
Parking Garages & Tunnels: Ensure consistent lighting for navigation and security in enclosed, damp environments.

TECHNICAL PARAMETERS

Product Model	CLE-150W	CLE-150W-TCP
Electrical Performance		
Wattage Selectable	150W/130W/100W	150W/130W/100W
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	22500lm/19500lm/15000lm	22500lm/19500lm/15000lm
CCT	5000K	4000K/5000K/5700K Selectable
CRI	Ra>80	Ra>80
Beam Angle	120°	120°
Unified Glare Rating (UGR)	<28	<28
Reliability		
Lifetime	>100,000h	>100,000h
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	-	-
Communication Protocol	-	-
Emergency Kit	-	-
Mechanical		
Housing Material	Die-cast Aluminum	Die-cast Aluminum
Lens Material	Polycarbonate	Polycarbonate
Coating	White	White
Net Weight	4.15kg	4.15kg
Dimensions	385x385x83.1mm	385x385x83.1mm
Warranty	5/7/10 Years	5/7/10 Years

PHOTOMETRICS

Luminous Intensity Distribution Diagram

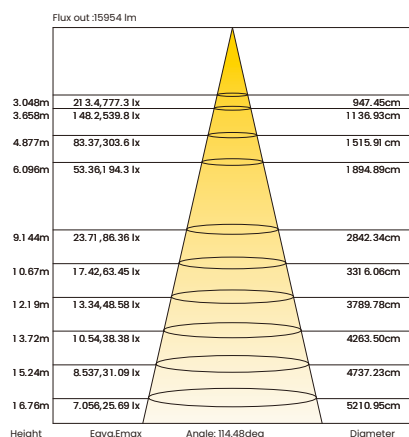


AVERAGE BEAM ANGLE(50%): 114.7 DEG

120°

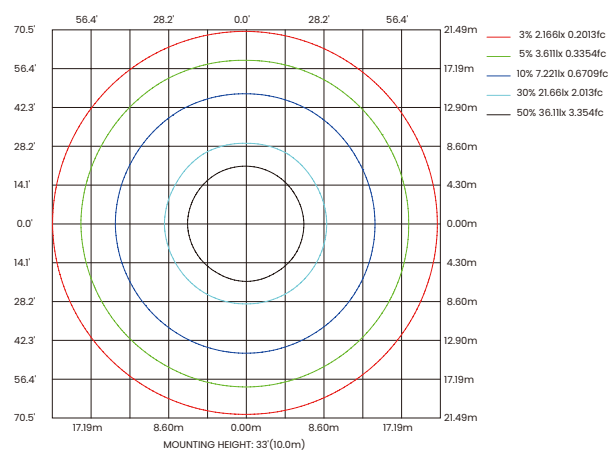
ILLUMINANCE DISTRIBUTION

Illuminance at A Distance



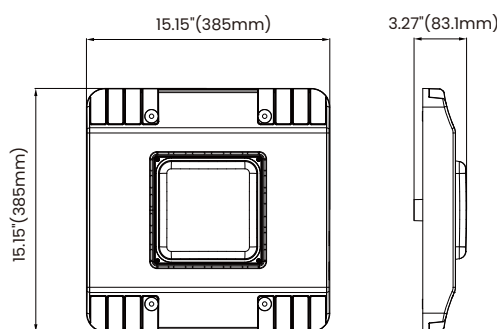
120°

Iso-illuminance Diagram (Iso-lux)



120°

MECHANICAL DIMENSIONS



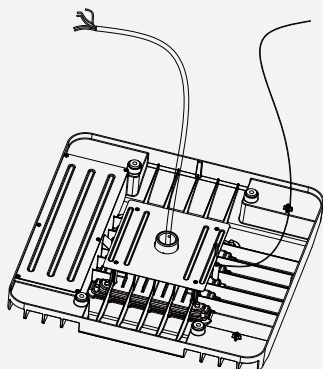
150W/130W/100W

Product Model	CLE-150W	CLE-150W-TCP
Wattage Selectable	150W/130W/100W	150W/130W/100W
Outer box (L*W*H)	440x445x112mm (17.33"x17.52"x4.41")	440x445x112mm (17.33"x17.52"x4.41")
Q'ty/Ctn	1pc	1pc
N.W./Ctn	4.15kg/9.15lbs	4.15kg/9.15lbs
G.W./Ctn	4.35kg/9.59lbs	4.35kg/9.59lbs
Remarks	0.3M cable	0.3M cable

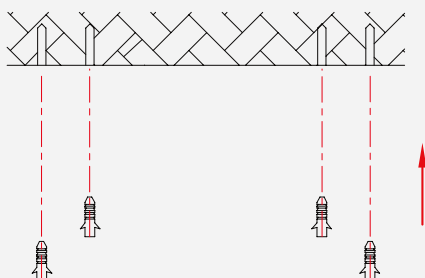
INSTALLATION

Ceiling Installation

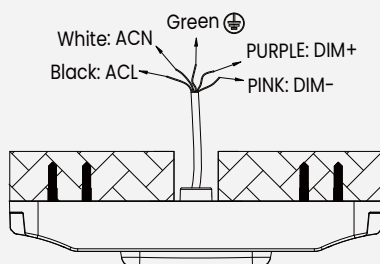
1. Fix the safety rope on the back of fixture by supplied screw PWM4*8.



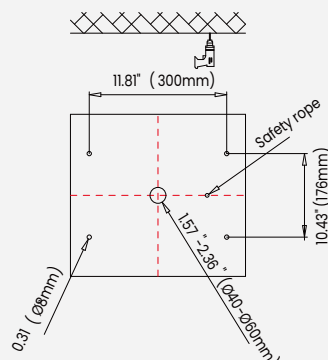
3. Screw the anchors to holes on ceiling respectively.



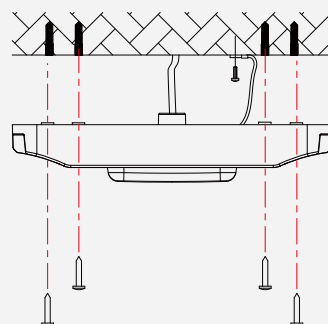
5. Connecting the wires respectively: Black-L, White-N, Green-earth, PURPLE: DIM+, PINK: DIM-



2. Drill 5 holes on the ceiling based on the diameter of supplied plastic anchor as picture, to make them match the holes on the fixture.

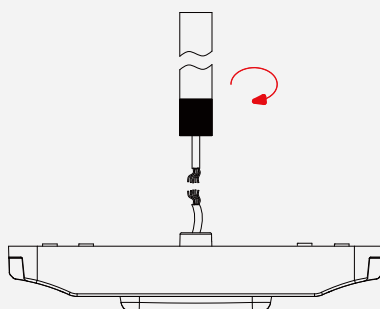


4. Screw the safety rope. And fix the fixture to the ceiling with tapping screws.

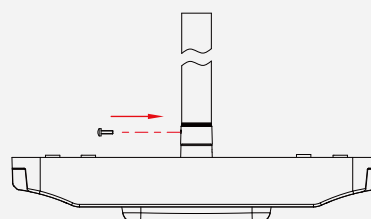


Pole-pendent Installation

1. Connecting wires from fixture and 3/4\" NPT thread with terminal caps as picture



2. Rotating the 3/4\" NPT thread to make it fixed with lamp, and fix the NPT with supplied screw.



ORDER INFORMATION

CLE-YY-YY-YY

① ② ③ ④ ⑤ ⑥ ⑦

① CLE Series Gas Station LED Canopy Light

② Wattage

150W	150W/130W/100W
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③ Color Temperature

50K	5000K
TCP	4000K/5000K/5700K Selectable

④ Voltage

(Blank)	120-277V
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⑤ Dimmable

D	0-10V Dimming
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⑥ Optics

(Blank)	120°
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⑦ Options

(Blank)	0.3M 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