

DL254 SERIES

COMMERCIAL DOWN LIGHT

INTRODUCTION

The FGE-DL254 Series Commercial Down Light is designed for retail stores, offices, hotels, and public buildings, offering efficient and elegant lighting for modern commercial spaces. Equipped with high-performance LED chips and precision optical reflectors, it delivers up to 120 lm/W of bright, uniform, and glare-free illumination.

Its compact die-cast aluminum housing ensures superior heat dissipation and long service life, while the anti-glare baffle design provides comfortable visual performance suitable for general or accent lighting.

Available in multiple sizes, wattages, beam angles, and color temperatures, the DL254 supports triac / 0-10V / DALI dimming and emergency backup options, allowing flexible control and easy integration into smart lighting systems. With a 100,000-hour lifetime and 5-year warranty, it delivers a durable, low-maintenance lighting solution ideal for commercial interiors.



Intertek NOM CE CA Compliant RoHS IP54

LM-79 LM-80 TM-21 ISTMT IEC

FEATURES

5 WATTS SELECTABLE

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

5 CCTS SELECTABLE

5 CCTS Selectable: Adjustable color temperature to suit diverse environments.

120lm/W

High Efficacy & Energy Saving: Up to 120 lm/W, reducing energy consumption by over 60% compared with HID fixtures.

0-10V DIMMABLE

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

QUICK & EASY

Easy Installation and Maintenance: Reduce installation time and maintenance labor, effectively lowering overall operational costs.

RELIABLE WARRANTY

Reliable Warranty: 5 Years Warranty.

- **Advanced Optical Design:**
  High-transmittance PC lens with 90° beam options, ensuring uniform illumination and glare reduction.
- **Robust Protection:**
  IP54 waterproof & dustproof, for commercial lighting places.
- **Wide Input Voltage:**
  AC120–277V, suitable for global power grids.

APPLICATIONS



Commercial Buildings: Downlights are installed flush with the ceiling, eliminating protrusions that occupy vertical space, comes in new construction for unfinished ceilings and retrofit for existing ceilings models, making them suitable for both building renovations and new commercial projects.



Offices: Space-Saving & Minimalist Aesthetic. In open-plan offices with shared desks, downlights can be arranged in grids to ensure consistent lighting across the entire area, avoiding dark corners or overlit zones.



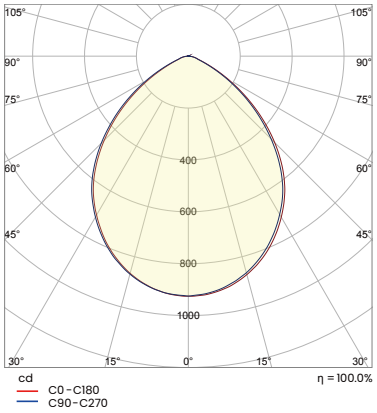
Lobby Spaces: Lobbies serve as the first impression of commercial buildings, by casting soft, downward light, downlights create a warm, inviting atmosphere that puts visitors at ease.

TECHNICAL PARAMETERS

Product Model	DL254-4-16W	DL254-6-30W	DL254-8-35W	DL254-10-40W
Size	4"	6"	8"	10"
Electrical Performance				
Wattage Selectable	6W/8W/10W/12W/16W	12W/16W/22W/26W/30W	16W/22W/26W/30W/35W	22W/26W/30W/35W/40W
Input Voltage	AC120-277V	AC120-277V	AC120-277V	AC120-277V
Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Power Factor (PF)	>0.9	>0.9	>0.9	>0.9
Surge Protection	2.5KV	2.5KV	2.5KV	2.5KV
THD	<20%	<20%	<20%	<20%
Optical Performance				
Luminous Efficacy	120lm/W	120lm/W	120lm/W	120lm/W
Luminous Flux	720lm/960lm/1200lm/1440lm/1920lm	1440lm/1920lm/2640lm/3120lm/3600lm	1920lm/2640lm/3120lm/3600lm/4200lm	2640lm/3120lm/3600lm/4200lm/4800lm
CCT Selectable	2700K/3000K/3500K/4000K/5000K	2700K/3000K/3500K/4000K/5000K	2700K/3000K/3500K/4000K/5000K	2700K/3000K/3500K/4000K/5000K
CRI	Ra>80	Ra>80	Ra>80	Ra>80
Beam Angle	90°	90°	90°	90°
Unified Glare Rating (UGR)	-	-	-	-
Reliability				
Lifetime	>100,000h	>100,000h	>100,000h	>100,000h
Operating Temperature	-20 ~ +40°C	-20 ~ +40°C	-20 ~ +40°C	-20 ~ +40°C
Storage Temperature	-40 ~ +70°C	-40 ~ +70°C	-40 ~ +70°C	-40 ~ +70°C
Ingress Protection	IP54	IP54	IP54	IP54
Impact Resistance	-	-	-	-
Control				
Dimming	0-10V/DALI	0-10V/DALI	0-10V/DALI	0-10V/DALI
Sensor	-	-	-	-
Communication Protocol	-	-	-	-
Emergency Kit	-	-	-	-
Mechanical				
Housing Material	Aluminum	Aluminum	Aluminum	Aluminum
Lens Material	PC	PC	PC	PC
Coating	White/RAL9016	White/RAL9016	White/RAL9016	White/RAL9016
Net Weight	0.38kg	0.52kg	0.67kg	0.75kg
Dimensions	Φ153x103mm	Φ212x123mm	Φ262x135mm	Φ294x151mm
Warranty	5 Years	5 Years	5 Years	5 Years

PHOTOMETRICS

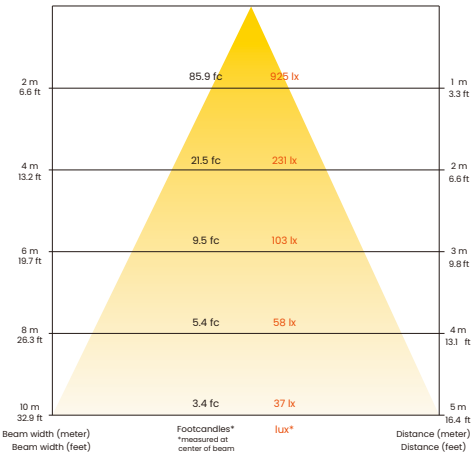
Polar light distribution diagram



90°

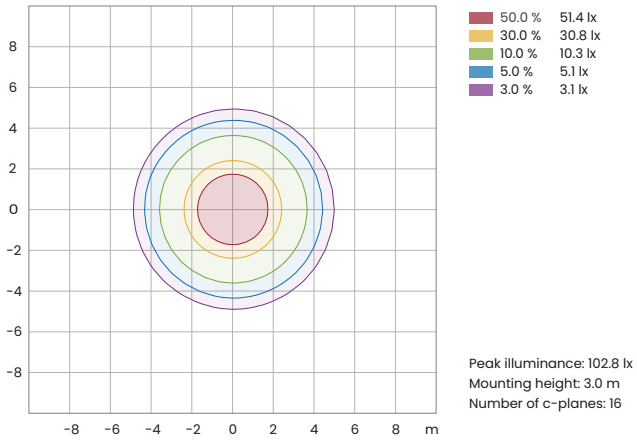
ILLUMINANCE DISTRIBUTION

Illuminance at A Distance



90°

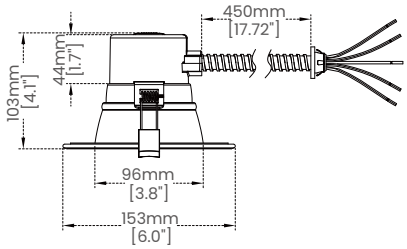
Iso-illuminance Diagram (Iso-lux)



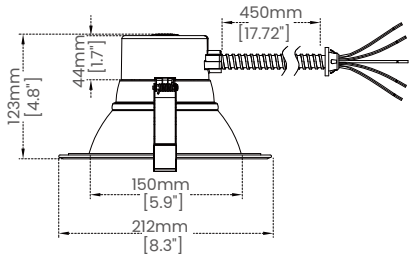
Peak illuminance: 102.8 lx
Mounting height: 3.0 m
Number of c-planes: 16

90°

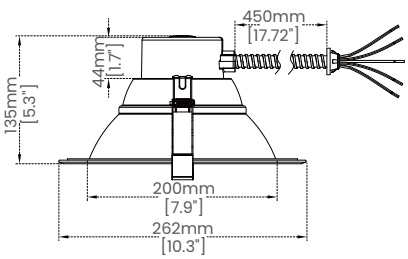
MECHANICAL DIMENSIONS



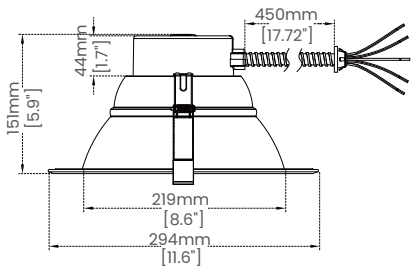
4" 6W/8W/10W/12W/16W



6" 12W/16W/22W/26W/30W



8" 16W/22W/26W/30W/35W



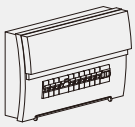
10" 22W/26W/30W/35W/40W

Product Model	DL254-4-16W	DL254-6-30W	DL254-8-35W	DL254-10-40W
Wattage Selectable	6W/8W/10W/12W/16W	12W/16W/22W/26W/30W	16W/22W/26W/30W/35W	22W/26W/30W/35W/40W
Outer box (L*W*H)	530x356x486mm (20.87"x14.00"x19.13")	470x465x414mm (18.50"x18.31"x16.30")	580x575x475mm (22.83"x22.64"x18.70")	635x325x520mm (25.00"x12.80"x20.47")
Q'ty/Ctn	24pcs	12pcs	12pcs	6pcs
N.W./Ctn	11.24kg/24.78lbs	8.95kg/19.73lbs	11.50kg/25.35lbs	7.00kg/15.43lbs
G.W./Ctn	12.24kg/26.98lbs	9.95kg/21.94lbs	12.50kg/27.56lbs	8.00kg/17.64lbs
Remarks	450mm cable	450mm cable	450mm cable	450mm cable

INSTALLATION

WARNING

1. Switch off before installation.
2. Switch on only after complete installation and examination of the circuit.
3. Professional electrician for installation and maintenance only.

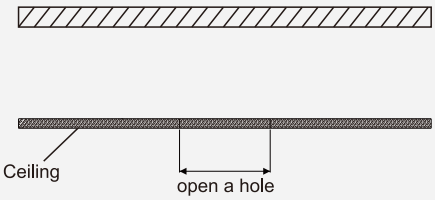




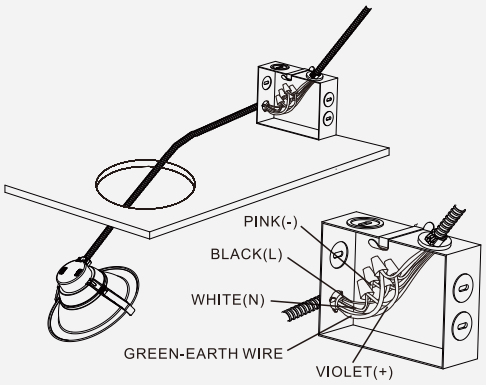
Turn Off Power Supply

Turn off the power supply before starting any installation.
Read instructions & check you have all the tools & accessories to complete the installation correctly.

1. Cut hole in ceiling according to cutout template for each model.



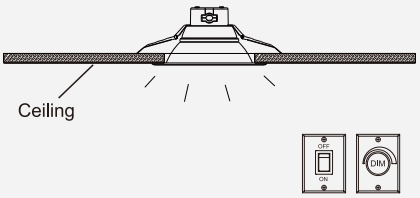
2. Connect AC and Dimming wires correspondingly as shown in picture
Junction box not included.



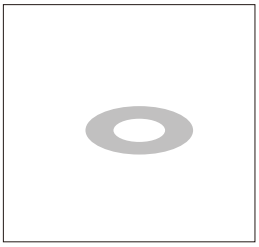
3. Bend back the spring clips then push the light fixture into the hole.

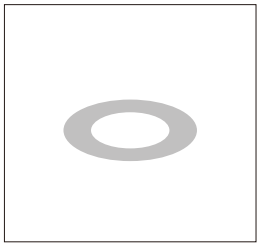


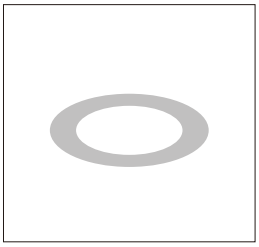
4. Installation completed. Switch on.

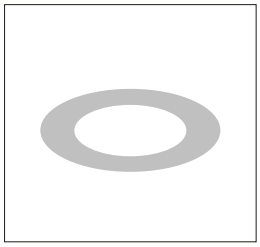


ACCESSORIES

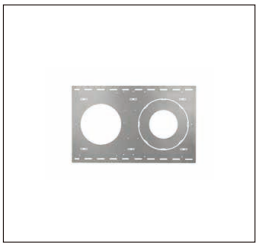

ratedGoof Ring 4"

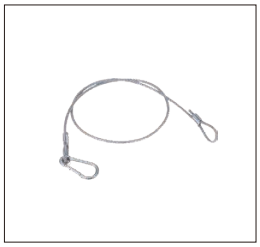

Goof Ring 6"


Goof Ring 8"


Goof Ring 10"


New Construction or Remodel Plate for T-grid Ceilings


New Construction Plate for Stud/Joist Ceilings


Safety Lanyard


Emergency Battery Backup

ORDER INFORMATION

DL254-YY-YY-YY

❶ ❷ ❸ ❹ ❺ ❻ ❼

❶ DL254 Series Commercial Down Light

❷ Size

4	4"
6	6"
8	8"
10	10"

❸ Wattage

16W	6W/8W/10W/12W/16W
30W	12W/16W/22W/26W/30W
35W	16W/22W/26W/30W/35W
40W	22W/26W/30W/35W/40W

❹ Color Temperature

H5C5	2700K/3000K/3500K/ 4000K/5000K Selectable

❺ Voltage

(Blank)	120-277V

❻ Dimmable

(Blank)	0-10V Dimming

❼ Optics

HO	High Lumen Output

WARRANTY PERIOD
5 YEARS WARRANTY

WARRANTY COVERAGE
LED LIGHT SOURCE, DRIVER

AFTER-SALES SERVICE COMMITMENT
24H RESPONSE

AFTER-SALES SERVICE COMMITMENT
72H RESOLUTION/REPLACEMENT