



FLT SERIES

LED FLOOD LIGHT

INTRODUCTION

The FGE-FLT Series LED Flood Light is designed for a wide range of outdoor and architectural lighting applications, including building facades, plazas, billboards, and industrial areas. Equipped with high-efficiency LED chips and precision optical lenses, it delivers up to 190 lm/W with uniform, glare-free illumination.

Its robust die-cast aluminum housing provides excellent heat dissipation and durability, rated IP66 & IK08 for reliable performance under rain, dust, and impact. Adjustable mounting brackets allow flexible aiming angles, making installation simple and precise.

Optional DALI / 0-10V dimming enable intelligent energy savings. With a 100,000-hour lifetime and 5-year warranty, the FLT Series offers a dependable, high-performance floodlighting solution for modern outdoor environments.



FEATURES



190lm/W

High Efficacy & Energy Saving: Up to 190 lm/W, reducing energy consumption by over 60% compared with HID fixtures.



QUICK & EASY

Easy Installation and Maintenance:

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



0-10V
DIMMABLE

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



RELIABLE
WARRANTY

Reliable Warranty:

5 Years Warranty.

- Advanced Optical Design:

High-transmittance PC lens with 120° beam options, ensuring uniform illumination and glare reduction.

- Robust Protection:

IP66 waterproof & dustproof, IK08 impact resistance for harsh industrial environments.

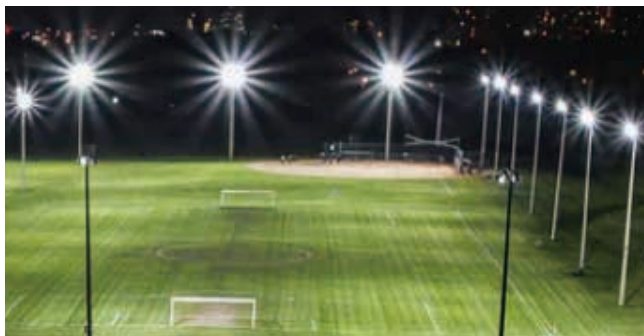
- Superior Thermal Management:

Die-cast aluminum housing with optimized heat sink for reliable performance.

- Wide Input Voltage:

AC120-277V, suitable for global power grids.

APPLICATIONS



Outdoor Playgrounds: Provide bright, uniform illumination that eliminates dark corners. Rugged construction resists impacts, weather exposure, and frequent use in outdoor playgrounds.

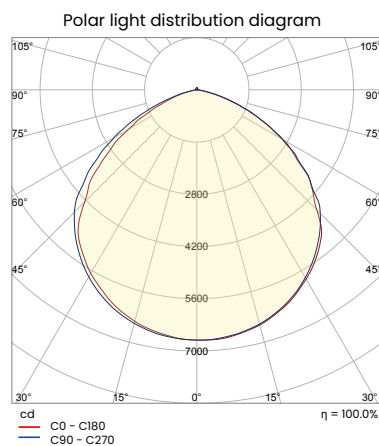


Billboard: Delivering high-brightness, uniform light distribution that fully covers billboard surfaces, ensuring clear visibility even from long distances or busy roads.

TECHNICAL PARAMETERS

Product Model	FLT-40W/60W/80W/100W	FLT-150W	FLT-200W/240W	FLT-300W
Electrical Performance				
Wattage	40W/60W/80W/100W	150W	200W/240W	300W
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	6KV	6KV	6KV	6KV
THD	<20%	<20%	<20%	<20%
Optical Performance				
Luminous Efficacy	190lm/W	190lm/W	190lm/W	190lm/W
Luminous Flux	7600lm/11400lm/15200lm/19000lm	28500lm	38000lm/45600lm	57000lm
CCT	5000K	5000K	5000K	5000K
CRI	Ra>70	Ra>70	Ra>70	Ra>70
Beam Angle	120°	120°	120°	120°
Unified Glare Rating (UGR)	-	-	-	-
Reliability				
Lifetime	>100,000h	>100,000h	>100,000h	>100,000h
Operating Temperature	-40 ~ +45°C	-40 ~ +45°C	-40 ~ +45°C	-40 ~ +45°C
Storage Temperature	-40 ~ +70°C	-40 ~ +70°C	-40 ~ +70°C	-40 ~ +70°C
Ingress Protection	IP66	IP66	IP66	IP66
Impact Resistance	IK08	IK08	IK08	IK08
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	Glass	Glass	Glass	Glass
Coating	Black/RAL9017	Black/RAL9017	Black/RAL9017	Black/RAL9017
Net Weight	1.5kg	2.1kg	2.9kg	3.9kg
Dimensions	303x220x52mm	366x266x52mm	408x295x53mm	481x348x53mm
Warranty	5 Years	5 Years	5 Years	5 Years

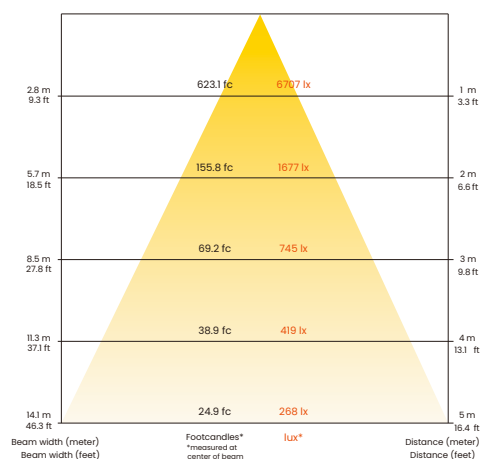
PHOTOMETRICS



120°

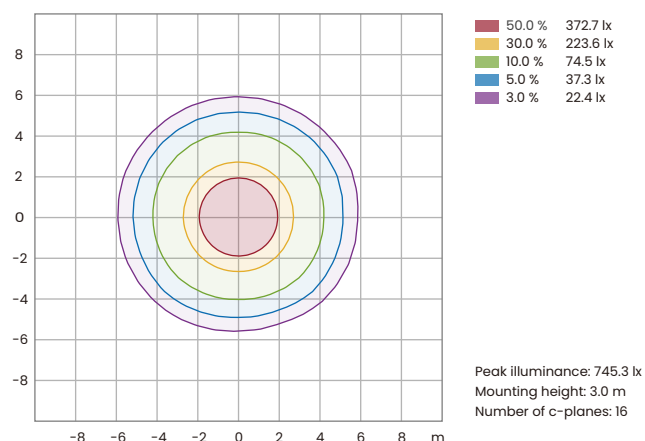
ILLUMINANCE DISTRIBUTION

Illuminance at A Distance



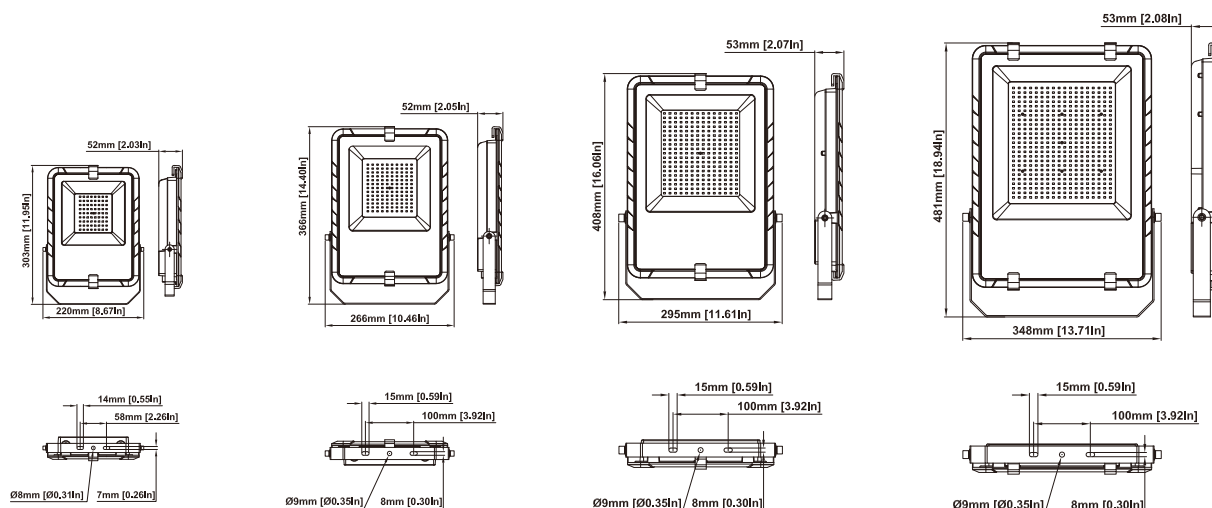
120°

Iso-illuminance Diagram (Iso-lux)



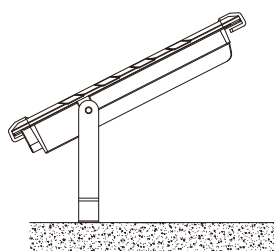
120°

MECHANICAL DIMENSIONS

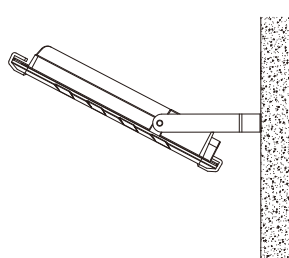


Product Model	FLT-40W/60W/80W/100W	FLT-150W	FLT-200W/240W	FLT-300W
Wattage	40W/60W/80W/100W	150W	200W/240W	300W
Outer box (L*W*H)	485x320x325mm (19.1"x12.6"x12.8")	565x380x325mm (22.2"x15.0"x12.8")	425x320x325mm (16.7"x12.6"x12.8")	500x375x325mm (19.7"x14.8"x12.8")
Q'ty/Ctn	10pcs	10pcs	5pcs	5pcs
N.W./Ctn	15kg/33lbs	21kg/46.3lbs	14.5 kg/31.95lbs	19.5kg/43lbs
G.W./Ctn	16kg/35.2lbs	22kg/48.4lbs	15.6 kg/34.32lbs	20.8kg/45.76lbs
Remarks	0.3M cable	0.3M cable	0.3M cable	0.3M cable

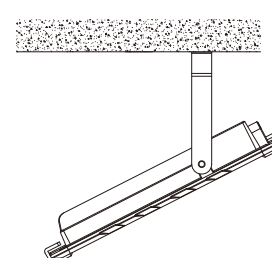
INSTALLATION



Ground installation

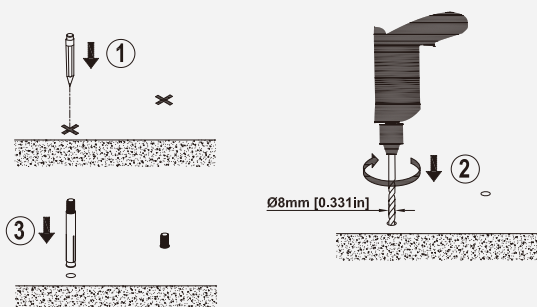


Wall installation

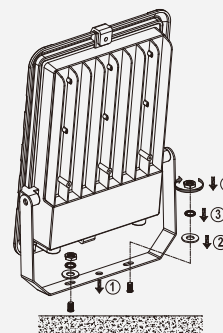


Ceiling installation

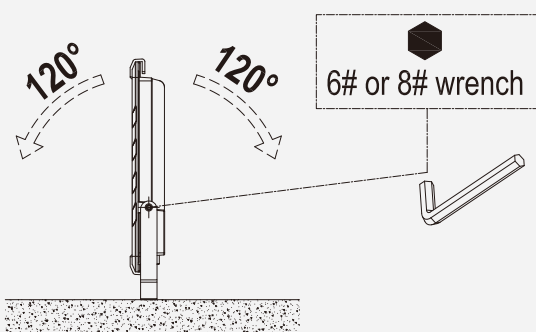
1. Drill holes on the mounting surface with an electric drill, then put the M8 bolts into the holes.



2. Fix the lampbracket on the mounting surface and tighten the screws.

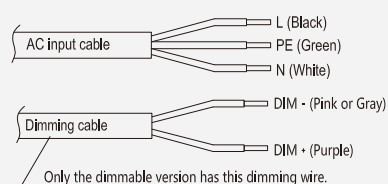


3. Adjust the lighting angle according to site requirements.



4. Make all necessary wiring and observe the correct voltage and polarity. Make sure that the electric lines are seated correctly and clamped.

WARNING
RISK OF FIRE, ELECTRIC SHOCK OR PERSONAL INJURY
Before installation, turn power off.



! The cable connection position must be waterproof

ORDER INFORMATION

FLT-YY-YY-YY-Y

1 2 3 4 5 6 7 8

1 FLT Series LED Flood Light

2 Wattage

40W	40W
60W	60W
80W	80W
100W	100W
150W	150W
200W	200W
240W	240W
300W	300W

3 Color Temperature

50K	5000K
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4 Voltage

(Blank)	120-277V
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5 Dimmable

(Blank)	0-10V Dimming
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6 Optics

(Blank)	120°
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7 Control

(Blank)	No Socket
S	Sensor Socket
C	Control Module

8 Options

(Blank)	0.3M cord
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WARRANTY PERIOD
**5 YEARS
WARRANTY**



WARRANTY COVERAGE
**LED LIGHT SOURCE,
DRIVER**



AFTER-SALES
SERVICE COMMITMENT
24H RESPONSE



AFTER-SALES
SERVICE COMMITMENT
72H RESOLUTION/REPLACEMENT