

FL SERIES

LED FLOOD LIGHT

INTRODUCTION

The FGE-FL Series LED Flood Light is designed with field-adjustable color temperature and wattage, along with an integrated, selectable photocell for flexible lighting control. It offers multiple mounting options—including knuckle, slipfitter, and yoke mounts—to adapt to diverse installation needs.

The fixture features a shatter-resistant tempered glass lens that won't yellow or crack over time, while its durable die-cast aluminum housing efficiently dissipates heat, supporting a long and reliable service life.

Key highlights include light efficiency up to 170lm/W at 4000K (Ra80), six different size options, 3 CCT and 3-wattage selectability, a standard on/off photocell, and IP66/IK07 ratings for robust durability.



NOM CB RoHS IP66 IK07

LM-79 | LM-80 | TM-21 | ISTMT | IEC

FEATURES

3 WATTS SELECTABLE

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

CCT SELECTABLE

CCT Tunable: Adjustable color temperature to suit diverse environments.

170lm/W

High Efficacy & Energy Saving: Up to 170 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.

Dusk to Dawn Photocell Options: Automatically turns lights on at dusk and off at dawn for energy savings, convenience, and extended lifespan.

RELIABLE WARRANTY

Reliable Warranty: 5 Years Warranty.

- **Advanced Optical Design:**
  High-transmittance PC lens with 70°×70° beam options, ensuring uniform illumination and glare reduction.
- **Robust Protection:**
  IP66 waterproof & dustproof, IK07 impact resistance for harsh industrial environments.
- **Superior Thermal Management:**
  Aluminum alloy housing with optimized heat sink for reliable performance.
- **Versatile Mounting Options:**
  Knuckle, slipfitter, yoke mounting for flexible installation.
- **Wide Input Voltage:**
  AC120–277V, suitable for global power grids.

APPLICATIONS



Outdoor Public Lighting: Ideal for parking lots, city squares, and building facades, delivering stable, wide-range illumination to enhance safety and visual appeal in public areas.

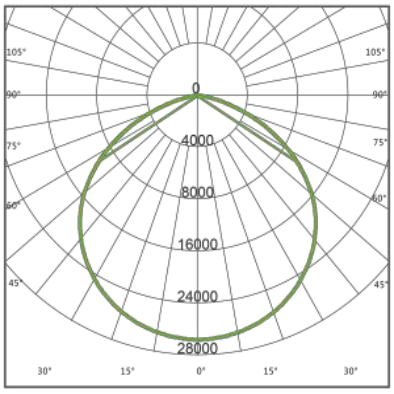


Commercial Display Lighting: Suitable for advertising boards and exhibition centers, providing high-brightness, even lighting to highlight signage and exhibits with clarity.

TECHNICAL PARAMETERS

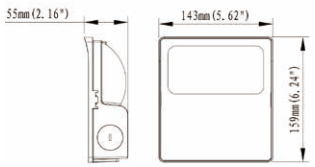
Product Model	FL-30W	FL-60W	FL-100W	FL-150W	FL-200W	FL-300W
Electrical Performance						
Wattage Selectable	30W/20W/15W	60W/50W/40W	100W/80W/60W	150W/120W/90W	200W/160W/120W	300W/240W/180W
Input Voltage	AC120-277V	AC120-277V	AC120-277V	AC120-277V	AC120-277V	AC120-277V
Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Power Factor (PF)	>0.92	>0.92	>0.92	>0.92	>0.92	>0.92
Surge Protection	4KV line-line 3KV line-earth	4KV line-line 6KV line-earth	6KV line-line 10KV line-earth	6KV line-line 10KV line-earth	6KV line-line 10KV line-earth	6KV line-line 10KV line-earth
THD	<20%	<20%	<20%	<20%	<20%	<20%
Optical Performance						
Luminous Efficacy	170lm/W	170lm/W	170lm/W	170lm/W	170lm/W	170lm/W
Luminous Flux	5100lm/3400lm/2550lm	10200lm/8500lm/6800lm	17000lm/13600lm/10200lm	25500lm/20400lm/15300lm	34000lm/27200lm/20400lm	51000lm/40800lm/30600lm
CCT Selectable	3000K/4000K/5000K	3000K/4000K/5000K	3000K/4000K/5000K	3000K/4000K/5000K	3000K/4000K/5000K	3000K/4000K/5000K
CRI	Ra>80	Ra>80	Ra>80	Ra>80	Ra>80	Ra>80
Beam Angle	70°×70°	70°×70°	70°×70°	70°×70°	70°×70°	70°×70°
Unified Glare Rating (UGR)	-	-	-	-	-	-
Reliability						
Lifetime	>100,000h	>100,000h	>100,000h	>100,000h	>100,000h	>100,000h
Operating Temperature	-40 ~ +50°C	-40 ~ +50°C	-40 ~ +50°C	-40 ~ +50°C	-40 ~ +50°C	-40 ~ +50°C
Storage Temperature	-40 ~ +70°C	-40 ~ +70°C	-40 ~ +70°C	-40 ~ +70°C	-40 ~ +70°C	-40 ~ +70°C
Ingress Protection	IP66	IP66	IP66	IP66	IP66	IP66
Impact Resistance	IK07	IK07	IK07	IK07	IK07	IK07
Control						
Dimming	0–10V/DALI	0–10V/DALI	0–10V/DALI	0–10V/DALI	0–10V/DALI	0–10V/DALI
Sensor	Photocell	Photocell	Photocell	Photocell	Photocell	Photocell
Communication Protocol	-	-	-	-	-	-
Emergency Kit	-	-	-	-	-	-
Mechanical						
Housing Material	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
Lens Material	Glass	Glass	Glass	Glass	Glass	Glass
Coating	Black/Bronze	Black/Bronze	Black/Bronze	Black/Bronze	Black/Bronze	Black/Bronze
Net Weight	1.11kg	1.56kg	3.09kg	3.68kg	4.05kg	5.25kg
Dimensions	143x159x55mm	190x180x60mm	251x264x67mm	260x284x67mm	301x299x72mm	361x335x77mm
Warranty	5 Years	5 Years	5 Years	5 Years	5 Years	5 Years

PHOTOMETRICS

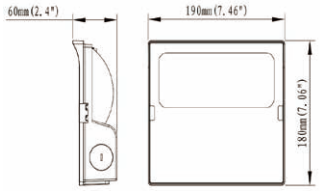


70° x 70°

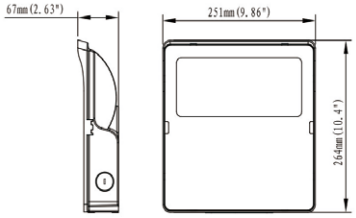
MECHANICAL DIMENSIONS



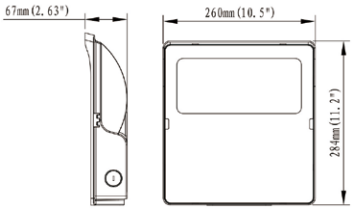
30W



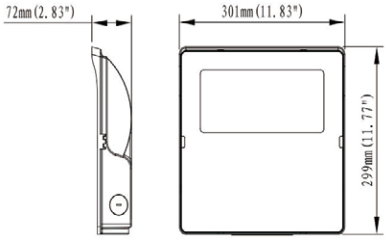
60W



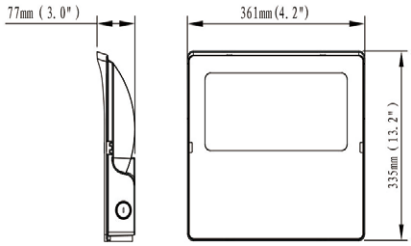
100W



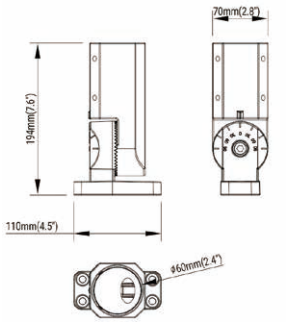
150W



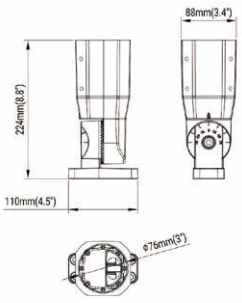
200W



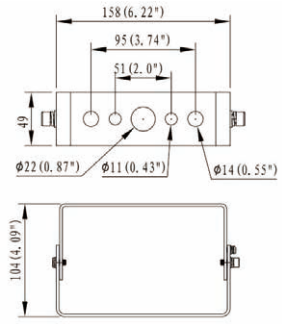
300W



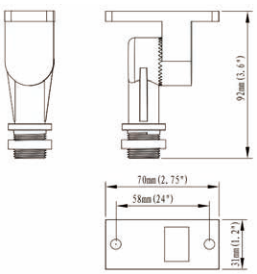
Ø60mm Slipfitter
(100W/150W/200W/300W)



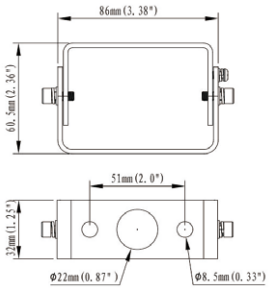
Ø76mm Slipfitter
(100W/150W/200W/300W)



Yoke
(100W/150W/200W/300W)



Knuckle
(30W/60W)



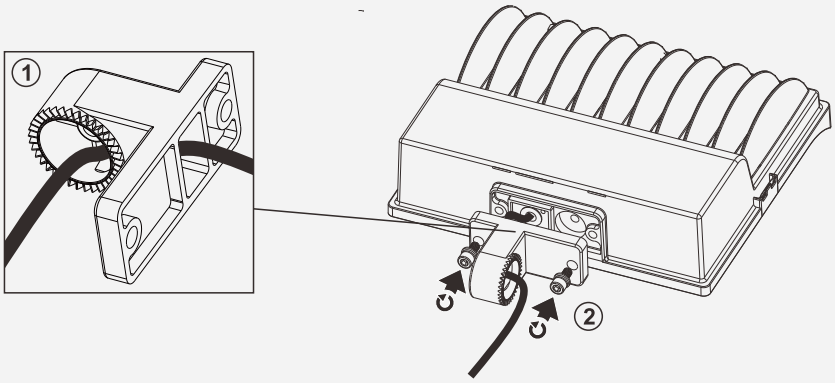
Yoke
(30W/60W)

Product Model	FL-30W	FL-60W	FL-100W	FL-150W	FL-200W	FL-300W
Wattage	30W/20W/15W	60W/50W/40W	100W/80W/60W	150W/120W/90W	200W/160W/120W	300W/240W/180W
Outer box (L*W*H)	465x305x180mm (18.31"x12.01"x7.09")	490x325x225mm (11.02"x12.79"x8.86")	415x260x115mm (19.29"x10.34"x4.53")	440x270x115mm (17.32"x10.63"x4.53")	470x375x125mm (18.5"x14.76"x4.92")	510x440x130mm (20.08"x17.32"x5.12")
Q'ty/Ctn	5pcs	5pcs	1pc	1pc	1pc	1pc
N.W./Ctn	1.11kg/2.45lbs	1.56kg/3.44lbs	3.09kg/6.81lbs	3.68kg/8.11lbs	4.05kg/8.93lbs	5.25kg/11.57lbs
G.W./Ctn	7.9kg/17.41lbs	10.8kg/23.81lbs	3.68kg/8.11lbs	4.30kg/9.48lbs	5.11kg/11.27lbs	6.52kg/14.37lbs
Remarks	0.3M cable	0.3M cable	0.3M cable	0.3M cable	0.3M cable	0.3M cable

INSTALLATION

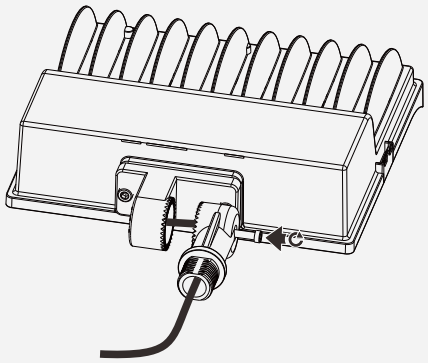
Knuckle Mount

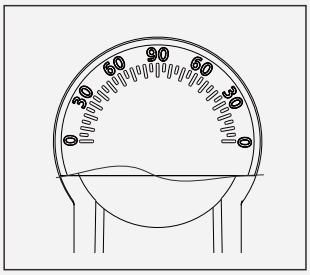
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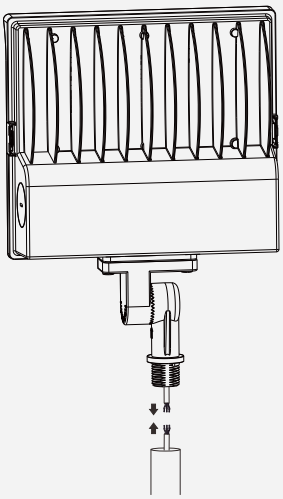
2.

M5
1PC
4
2N.m

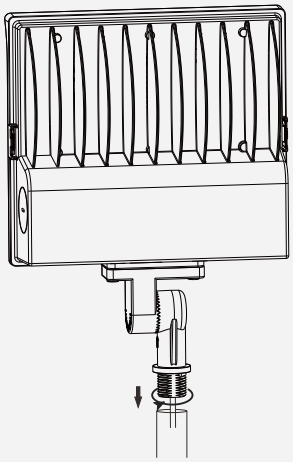




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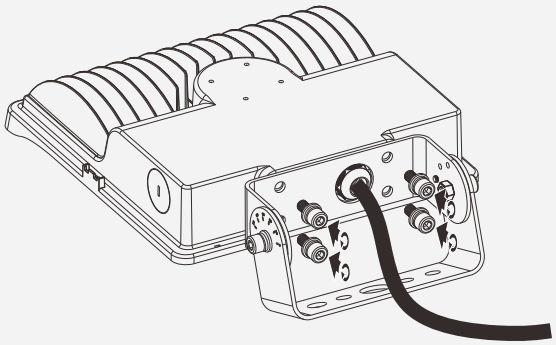
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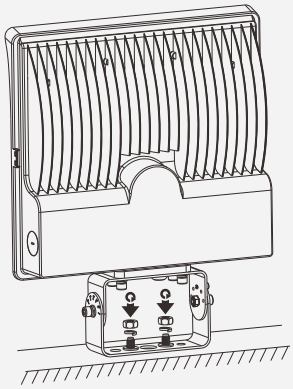
Yoke Mount

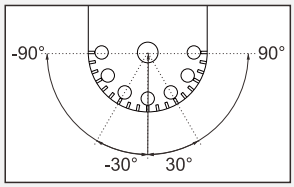
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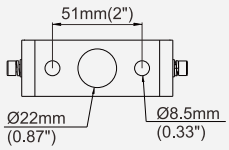
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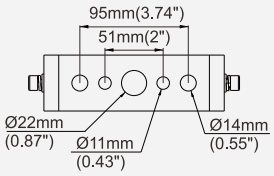




Yoke (30W/60W)

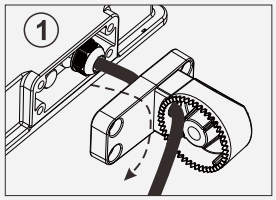


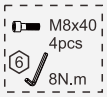
Yoke (100W/150W/200W/300W)

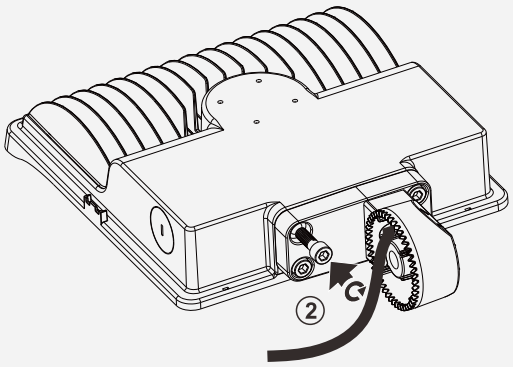


Slipfitter Mount

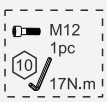
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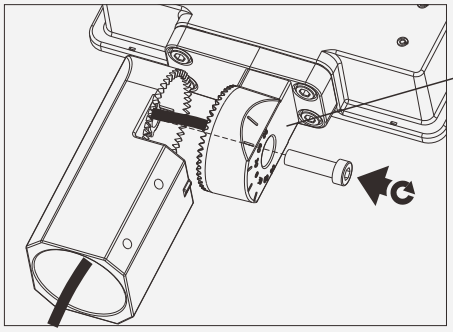


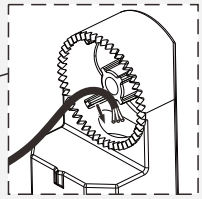


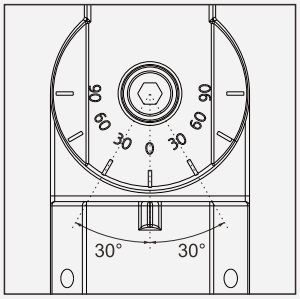


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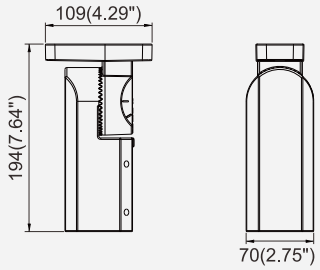




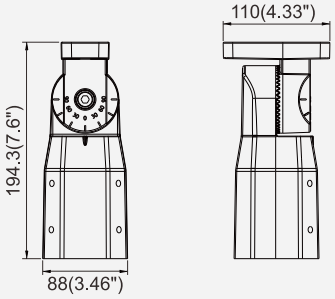




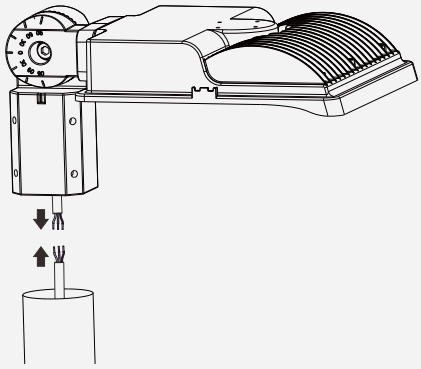
Ø60mm Slipfitter



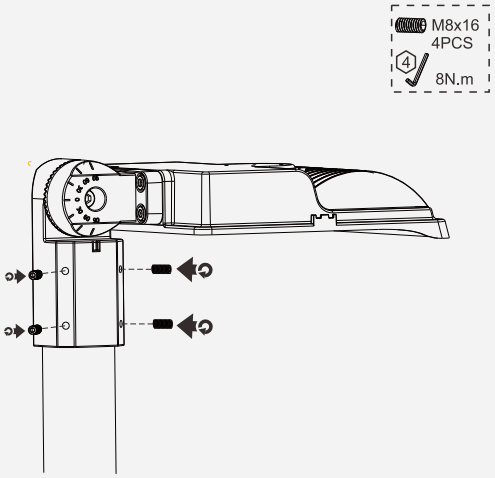
Ø76mm Slipfitter



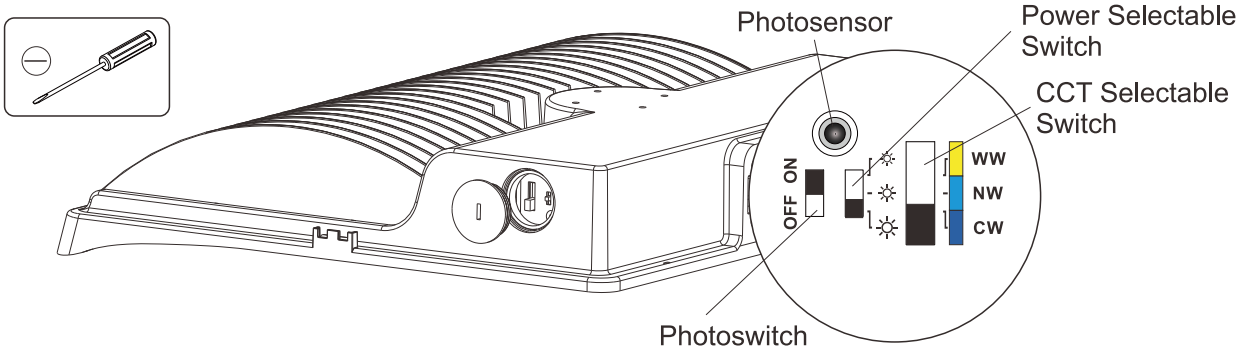
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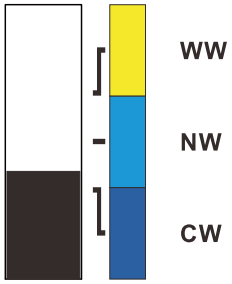
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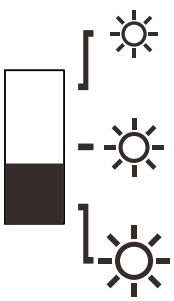


REGULATING SWITCH



CCT Selectable





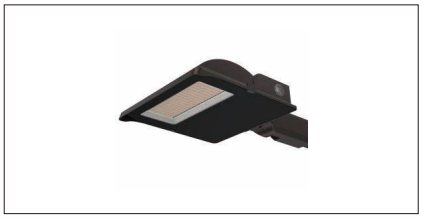
Power Selectable

Power	☼	☼	☼
30W	30W	20W	15W
60W	60W	50W	40W
100W	100W	80W	60W
150W	150W	120W	90W
200W	200W	160W	120W
300W	300W	240W	180W

MOUNTING OPTIONS



Knuckle Mounting
(30W/60W)



Slipfitter Mounting
(100W/150W/200W/300W)



Yoke Mounting
(30W/60W/100W/150W/200W/300W)

ACCESSORIES



NEMA Socket



Photocell



Shorting Cap



Φ60mm
Slipfitter Mounting
(100W/150W/
200W/300W)



Φ76mm
Slipfitter Mounting
(100W/150W/
200W/300W)



Yoke Mounting
(100W/150W/
200W/300W)



Yoke Mounting
(30W/60W)



Knuckle Mounting
(30W/60W)

ORDER INFORMATION

FL-YY-YY-YY-Y
1 2 3 4 5 6 7 8

1 FL Series LED Flood Light

2 Wattage

30W	30W/20W/15W
60W	60W/50W/40W
100W	100W/80W/60W
150W	150W/120W/90W
200W	200W/160W/120W
300W	300W/240W/180W

3 Color Temperature

30K	3000K
40K	4000K
50K	5000K

4 Voltage

(Blank)	120-277V

5 Dimmable

(Blank)	0-10V Dimming

6 Optics

(Blank)	70° x 70°

7 Control

(Blank)	No Socket
S	Sensor Socket
C	Control Module

8 Options

(Blank)	0.3M cord

WARRANTY PERIOD
5 YEARS WARRANTY

WARRANTY COVERAGE
LED LIGHT SOURCE, DRIVER

24h
AFTER-SALES ERVICE COMMITMENT
24H RESPONSE

72h
AFTER-SALES SERVICE COMMITMENT
72H RESOLUTION/REPLACEMENT