ALL GREEN LIGHTING, INC.

FL-LED-L Series (60W-350W)

Product Description:

The FL-LED-L provides up to 60% in energy savings and in its solid state, the fixture is highly resistant to shock and vibration. The luminaire has been nationally lab tested in accordance with IES standards. The fixture's housing is designed to create efficient air flow across the heat sink to provide efficient cooling for the LED light source. The FL-LED-L uses fold-fin heat sink technology and uses low LED junction temperature thin aluminum sheets which are light weight, efficient, and cover a large total surface area. The housing is made of die cast aluminum & tempered glass lens.

Features:

◦ **Application:** LED High Mast Flood, Billboards, etc.
◦ **Natatorium Rated:** Corrosion-resistant paint and stainless steel hardware to withstand the impact of chlorine (optional)
◦ **Warranty:** 5 Years
◦ **Long Life:** 100,000 + calculated hours / 12 Hrs per day for ~ 10 yrs
◦ **LED Driver:** Meanwell
◦ **Operating Temperature:** -40˚F ~ 122˚F
◦ **Lens:** Wide variety of optics - asymmetrial / symmetrical
◦ **Certifications:** ETL (60W-350W) & DLC (200W - 40K & 50K)
◦ **Installation:** Yoke or Slipfitter

Technical Data:

| LED Source	Philips Lumileds / Cree / Osram
CRI	≥ 70 or ≥ 80
IP Rating	IP65 (Luminaire) IP66 (Light Engine) IP67 (Driver)
CCT	2700K ~ 6500K
Input Voltage	90-305V or 347-480V
Power Factor	>0.95

Specifications:

*Chart based on 5000K @ 85˚x135˚

Fixture Model	LED Chips	Total Lumens	Efficacy (lm/w)	Weight (lb)	Dimensions (inches)	EPA	Cert	Beam Angle
FL-LED-L-60W		7,277.2 lm	>121 lm/W	11	14.4 x 12.9 x 9.6	0.76 ft^2	ETL	
FL-LED-L-80W		9,703 lm	>121 lm/W	13.2	14.4 x 15.2 x 9.6	0.9 ft^2	ETL	15˚ x 15˚
FL-LED-L-100W		12,128.7 lm	>121 lm/W	14.3	14.4 x 15.2 x 9.6	1.1 ft^2	ETL	30˚ x 30˚
FL-LED-L-150W	Lumileds Luxeon T	17,586.6 lm	>117 lm/W	17.6	14.4 x 19.96 x 9.6	1.47 ft^2	ETL	40˚ x 40˚ 60˚ x 60˚
FL-LED-L-200W		24,257.4 lm	>121 lm/W	17.6	14.4 x 19.96 x 9.6	1.47 ft^2	ETL	90˚ x 90˚ 60˚ x 90˚
FL-LED-L-250W		29,715.3 lm	>118 lm/W	19.8	14.4 x 22.3 x 9.6	2.5 ft^2	ETL	60˚ x 135˚
FL-LED-L-300W		35,173.2 lm	>117 lm/W	37.4	23.9 x 20.1 x 14.5	2.5 ft^2	ETL	85˚ x 45˚
FL-LED-L-350W		41,844 lm	>119 lm/W	38.5	23.9 x 20.1 x 14.5	2.5 ft^2	ETL	85˚ x 90˚ 85˚ x 135˚
FL-LED-L-200W/DLC	CREE XPG3	26,519.5 lm	>132 lm/W	17.6	14.4 x 19.96 x 9.6	1.47 ft^2	ETL/DLC	

Photometrics:

FL-LED-L-250W-5K/60x60

Polar Candela Distribution
- 0° H
- 90° H
- 45° H
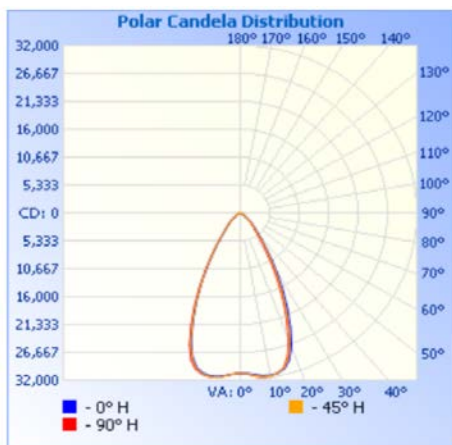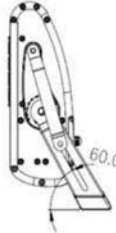
Illuminance at a Distance

	Center Beam fc	Beam Width	
9.7ft	326 fc	9.7 ft	9.8 ft
19.3ft	82.3 fc	19.4 ft	19.5 ft
29.0ft	36.4 fc	29.1 ft	29.3 ft
38.7ft	20.5 fc	38.8 ft	39.1 ft
48.3ft	13.1 fc	48.5 ft	48.8 ft
58.0ft	9.11 fc	58.2 ft	58.7 ft

- Vert. Spread: 53.3°
- Horiz. Spread: 53.6°

Ordering Guide:

FL-LED-L-60W	BL	90-305V	50K	60 x 60	YOKE	[PC][SB][FR]
Wattage:	**Color:**	**Voltage:**	**CCT:**	**Beam Angle:**	**Mounting:**	**Optional Accesssories:**
60W	[BL]: Black (RAL:9023)	90-305V	27K	15˚x 15˚	Yoke	See Codes Below
80W	[GR]: Gray (RAL:9006)	347-480V	30K	30˚x 30˚		
100W	[WH]: White (RAL:9016)		40K	40˚x 40˚		
150W	[BR1]: Bronze (RAL:8019)		50K	60˚x 60˚	Slipfitter	
200W	[BR2]: Bronze (RAL:8028)		57K	60˚x 90˚		
250W			65K	60˚x 135˚		
300W				90˚x 90˚		
350W				85˚x 45˚		
				85˚x 90˚		
				85˚x 135˚		

Accessory Codes:

[SB]:
316 Stainless Steel Bracket

[PC]:
Photocell

[FR]:
Frosted Lens

[10kV]:
10kV Surge Protector

[TMB]:

[GS1][GS2]:
Glare Shield 1 or 2
for the (300W)

[20kV]:
20kV Surge Protector

[NR]:
Natatorium Rated Finish

[DM]:
Dimming (1-10V)