ALL GREEN LIGHTING, INC.

Product Description:

Introducing the **FL-LED-L 5050 Series**, a new evolution of AGL's popular FL-LED-L model. The FL-LED-L 5050 utilizes Lumiled 5050 LED chips for a powerful lumen output and a redesigned housing structure that provides a smaller, more compact body that is lighter and less bulky than before. The FL-LED-L 5050 still incorporates the unique fold fin heatsink technology that greatly reduces thermal density and maintains low LED junction temperatures, as well as providing a full range of optics to fulfill a variety of lighting applications.

Features:

◦ **Application:** LED High Mast Flood, Billboards, etc.

◦ **Warranty:** 5 Years

◦ **Long Life:** 100,000 + Hours

◦ **LED Chip:** Lumileds 5050

◦ **LED Driver:** Meanwell

◦ **Operating Temperature:** -40˚F ~+ 122˚F

◦ **Lens:** Wide variety of asymmetrical and symmetrical optics

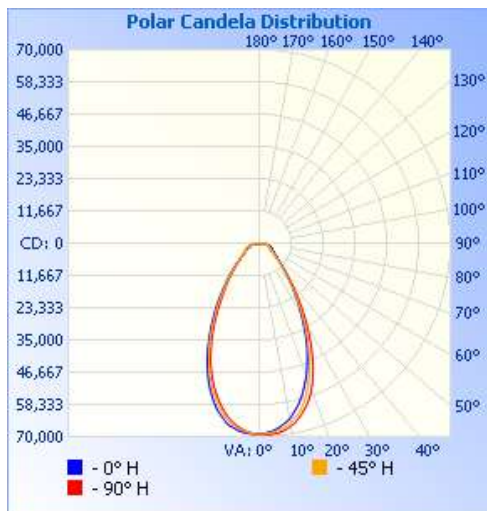◦ **Certifications:** ETL

Technical Data:

LED Source	Lumileds 5050
CRI	**≥ 70** (CRI 80 & 90 available)
IP Rating	**IP65 (Luminaire) IP66 (Light Engine) IP65 (Driver)**
CCT	**3000K~6500K**
Input Voltage	**90-305V or 347-480V**
Power Factor	**>0.90**

Specifications: *Chart based on 85˚x 90˚ optics

Fixture Model	Total Lumens*	Efficacy* (lm/w)	Dimensions (inches)	Weight (lb)	EPA	Beam Angle
FL-LED-L 400W 5050	62,700 lm	>156.7	20.9 x 24.4 x 4.60	39.6	2.5 ft^2	30˚ x 30˚ 45˚ x 45˚ 60˚ x 60˚ 60˚ x 90˚ 60˚ x 135˚ 75˚ x 75˚ 85˚ x 45˚ 85˚ x 90˚ 85˚ x 135˚
FL-LED-L 500W 5050	74,100 lm	>148.2	23.3 x 24.4 x 4.60	46.2	2.8 ft^2	
FL-LED-L 600W 5050	83,933 lm	>139.8	23.3 x 24.4 x 4.60	47.3	2.8 ft^2	
FL-LED-L 800W 5050	125,400 lm	>156.7	32.7 x 24.4 x 4.60	63.8	4.1 ft^2	
FL-LED-L 1000W 5050	156,750 lm	>156.7	29.2 x 30.1 x 6.69	83.6	4.4 ft^2	

Photometrics (600W/60°x60°):

Polar Candela Distribution

Center Beam fc	Beam Width	
734 fc	10.9 ft	11.0 ft
186 fc	21.8 ft	22.0 ft
82.2 fc	32.7 ft	33.0 ft
46.1 fc	43.6 ft	44.0 ft
29.6 fc	54.4 ft	54.9 ft
20.5 fc	65.4 ft	66.0 ft

Illuminance at a Distance (at 9.7ft, 19.3ft, 29.0ft, 38.7ft, 48.3ft, 58.0ft)

Vert. Spread: 58.8°
Horiz. Spread: 59.3°

Ordering Guide:

FL-LED-L-400W 5050	90-305V	BL	50K	85 x 135	YOKE	

Wattage:	**Voltage:**	**Color:**	**CCT:**	**Beam Angle:**	**Mounting:**	**Optional Accessories*:**
400W-5050	90-305V	**[BL]:** Black (RAL:9023)	30K	30˚ x 30˚	Yoke: Standard	See Codes Below
500W-5050	347-480V	**[GR]:** Gray (RAL:9006)	40K	45˚ x 45˚		
600W-5050		**[WH]:** White (RAL:9016)	50K	60˚ x 60˚		(Additional Costs May Apply)
800W-5050		**[BR1]:** Bronze (RAL:8019)	57K	60˚ x 90˚	Slipfitter	
1000W-5050		**[BR2]:** Bronze (RAL:8028)	65K	60˚ x 135˚		
				75˚ x 75˚	High Mast Yoke	
				85˚ x 45˚		
				85˚ x 90˚	High Mast Slipfitter	
				85˚ x 135˚		

Accessory Codes:

DM: 1-10V

DALI: DALI Dimming

10kV: 10kV Surge Protector

20kV: 20kV Surge Protector

CRI80 / **CRI90**

__ FC: "X" foot cord

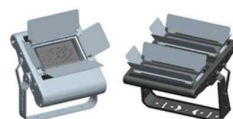**3PCR/5PCR/7PCR**: 3 / 5 / 7 Pin Receptacle

MS: Motion Sensor

WG: Wire Guard

NR: Natatorium Finish

316SS: 316 Stainless Steel Bracket and Screws

GS1: Glare Shield 1

GS2: Glare Shield 2

TMB: Tilt Mount Bracket