

Catalog #	
Project name	
Prepared by	

FL1 LED Flood Light

PRODUCT OVERVIEW

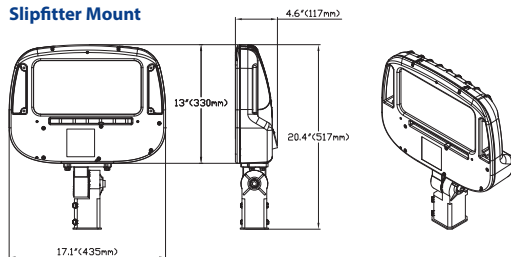


APPLICATIONS

Auto dealerships
Building facades
General site lighting
Parking lots
Shopping centers
Substations

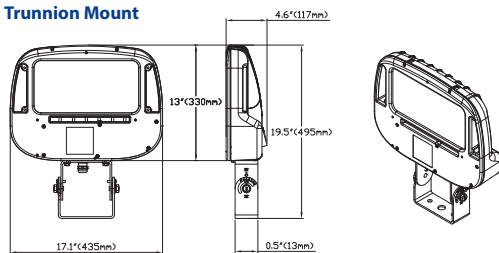
DIMENSIONS

Slipfitter Mount



Unit: inch (mm)
Dimensions: 17.1" X 20.4" X 4.6"
Weight: 21 lbs
Effective Projected Area (EPA): 1.14 sq. ft. (0.106 sq. m.)

Trunnion Mount



Unit: inch (mm)
Dimensions: 17.1" X 19.5" X 4.6"
Weight: 21 lbs
Effective Projected Area (EPA): 1.14 sq. ft. (0.106 sq. m.)

PRODUCT CERTIFICATIONS



PRODUCT SPECIFICATIONS

OPTICAL

Impact resistant tempered IK-8 flat glass

High efficiency optics offers NEMA type 6H x 6V and 6H x 5V wide distributions

Offer standard 4000K CCT/ 70 CRI minimum. Optional 3000K CCT/ 70 CRI minimum is available

IP66 optical enclosure per ANSI C136.25 and IEC 60598

ELECTRICAL

120-277 VAC and 347-480 VAC available

Standard 1-10V dimming; DALI dimming option available

10kV/ 5kA surge protection meets IEEE/ ANSI C62.41.2

20kV/ 10kA surge protection is also available

Driver power factor is 90% minimum

THD is less than 20%

CONSTRUCTION

Low copper die cast aluminum alloy casting with slim design corrosion resistance polyester powder painted with minimum 2.0 mil. thickness

Meet 3G vibration rating per ANSI C136.31-2018

Provide trunnion or optional knuckle slipfitter with external 3ft #14/ 3 pre-wire power cable

CONTROL

Standard advance 7-pin photocontrol receptacle available to meet ANSI C136.41

WARRANTY

Ten-year warranty*1

*1 See your sales representative for warranty terms and conditions

RATING AND CERTIFICATIONS

UL and cUL Wet Location Listed

DesignLights Consortium® (DLC) Qualified Product

Dark Sky Compliant (<3000K CCT only)

Rated for -40°C to +50°C ambient*2 (-40°F to +122°F ambient)

Meets FCC Part 15, Subpart B, Class A Standards

Meets Buy American Requirements within ARRA

RoHS Compliant

*2 -40°C to 45°C ambient for 1200mA

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PERFORMANCE TABLE

LED Number	Light Distribution	Drive Current (mA)	Color Temp. 3000K			Color Temp. 4000K		
			Flux (lm)	Power (W)	LPW	Flux (lm)	Power (W)	LPW
90	6 x 5	700	14996	100	150	15269	100	153
		900	19177	130	148	19510	130	150
		1050	21885	153	143	22283	153	146
		1200	24514	176	139	24902	176	141
	6 x 6	700	15172	100	152	15448	100	154
		900	19388	130	149	19740	130	152
		1050	22143	153	145	22535	153	147
		1200	24745	176	141	25194	176	143

CURRENT DRAW

Driver Current (mA)	Power (W)	Input Amps (A)			
		120V	277V	347V	480V
700	100	0.92	0.4	0.32	0.23
900	130	1.19	0.52	0.41	0.3
1050	153	1.4	0.61	0.49	0.35
1200	176	1.6	0.7	0.56	0.4

LUMEN MAINTENANCE

Ambient Temp.	25,000 Hour	50,000 Hour	88,000 Hour	100,000 Hour
<40°C(104°F)	97.44%	94.84%	91.03%	89.86%
45°C(113°F)	96.07%	92.93%	88.35%	86.95%
50°C(122°F)	95.35%	91.55%	86.06%	84.4%

ORDERING INFORMATION

EFL-		090			M-		
Product Family	1	Input Voltage	Light Distribution	LED Number	Color Temperature	Luminaire Type	Drive Current
EFL – EOI Flood Light	1 – Gen 1	A1 – 120-277VAC A2 – 347-480VAC	65 – 6 x 5 66 – 6 x 6	090 – 90 LEDs	30 – 3000K > 70 CRI 40 – 4000K > 70 CRI	M – Medium	700 – 700 mA 900 – 900 mA 105 – 1050 mA 120 – 1200 mA

ACCESSORY OPTIONS

U-						
Finish	Safety Certificate	Driver Option	Control Option	SPD Rating	Additional Option	
B – Bronze (RAL 8019) I – Light Gray (RAL 7038)	U – UL	1 – 1-10V Dimming 5 – DALI Module 6 – 1-10V & 8 Levels Field Adjustable Dimming	1 – 3-Pin Photocontrol Receptacle 2 – Regular Photocontrol 3 – Receptacle & Shorting Cap 4 – Receptacle & Long Life Photocontrol 5 – 7-Pin Photocontrol Receptacle 6 – 7-Pin PCR & Shorting Cap 8 – 7-Pin PCR & Long Life Photocontrol 9 – 5-Pin Photocontrol Receptacle	1 – 10kV/5kA 3 – 20kV/10kA 4 – 20Kv/10kA FTO	1 – Trunion/ 3ft #14 STW power cord 2 – Slip-fitter/ 3ft #14 STW power cord 3 – Trunion/ 6ft #14 STW power cord 4 – Slip-fitter/ 6ft #14 STW power cord	

Please contact your sales representative for the latest product information.