



CONTRACTOR:	
PROJECT:	DATE:
PREPARED BY:	MODEL#:

SERIES AND SPECIFICATIONS



LPFLED

The LPFLED area light with its extreme low-profile and architectural styling make it a great alternative to conventional luminaries. Available in multiple light distributions and mounting options to suite any application.



FEATURES/WARRANTY

Construction

Die-cast aluminum housing has integral heat sink to optimize thermal management through conductive and onvective cooling. Housing is completely sealed against moisture and environmental contaminants. Low profile design for optimized pole wind loading.

Finish

Paint after fabrication (PAF) of die-cast body adds high resistance to rust over its lifetime.

Optics*

Precision-molded polycarbonate lenses are engineered for superior light area distribution, uniformity, and spacing. Zero uplight when mounted at 0°.

Electrical

70% lumen maintenance at >155,000 hours. Long-life LEDs PCB mounted, coupled with high-efficiency drivers, provide extended service life. Delivers up to 131 lumens per watt and LED Lumen maintenance of L80/100,000 hours. Thermally protected driver standard.

Dimming

LED drivers deliver dimming from a 0-10V control signal. Dims to 10% standard using PWM dimming.

Installation

The LPFLED has optional mounting options of a square pole arm, round pole arms for 3", 4", 5" diameter poles, slipfitter mounting, and trunnion mounting.

Listings

UL listed to US and Canadian safety standards. Wet location listed. For use in ambient operating temperatures ranging from -40°C to 40°C.

Warranty

5-year limited warranty.

NOTE: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

Voltage

120-277V & 480V

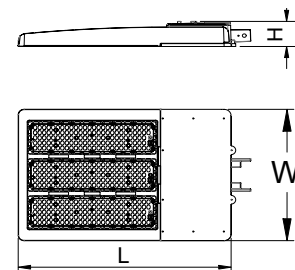
Color Temperature

4000k & 5000k

*Mounting and optics assembled in America

LINE DRAWING

	100W	150W	230W & 300W	400W
Length	16 1/8"	16 1/8"	21 1/4"	22"
Width	12 1/2"	12 1/2"	14 5/8"	16 7/8"
Height	2 7/8"	2 7/8"	2 7/8"	3 1/4"
Weight (max)	14 lbs	15 lbs	25 lbs	30 lbs





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ORDERING INFORMATION

Example: LPFLED1004KFUSPBZ

SERIES	WATTAGE	COLOR TEMP	DISTRIBUTION	VOLTAGE	MOUNTING	FINISH
LPFLED	[100] : 100W [150] : 150W [230] : 230W [300] : 300W [400] : 400W	[4K] : 4000K [5K] : 5000K	[F] : 90 x 120H Flood Distribution [T2] : Type 2 [T3] : Type 3 [T4] : Type 4	[U] : 100-277V [E] : 277-480V	[SP] : Square Pole Arm [R3] : 3" Dia. Pole [R4] : 4" Dia. Pole [R5] : 5" Dia. Pole [TR] : Trunnion [SF] : Slip Fitter	[BZ] : Bronze [WH] : White

PERFORMANCE SPECIFICATIONS

WATTAGE	LED COUNT	DISTRIBUTION	4000K (70 CRI)					5000K (70 CRI)			
			LUMENS	B	U	G	LPW	LUMENS	B	U	G
100	180	90 X 120H	13721	3	0	1	140	13567	3	0	1
		TYPE 2	13300	3	0	3	137	13467	3	0	3
		TYPE 3	13275	3	0	3	137	12934	3	0	3
		TYPE 4	13200	3	0	3	136	13260	3	0	3
150	270	90 X 120H	20567	4	0	2	149	20892	4	0	2
		TYPE 2	20518	4	0	4	133	20392	4	0	4
		TYPE 3	20194	3	0	4	150	20013	3	0	4
		TYPE 4	19412	3	0	3	129	19533	3	0	3
230	378	90 X 120H	32602	5	0	2	140	32507	5	0	2
		TYPE 2	31356	4	0	4	135	29488	4	0	4
		TYPE 3	29913	4	0	4	134	31597	4	0	4
		TYPE 4	29007	4	0	4	130	30403	4	0	4
300	378	90 X 120H	39027	5	0	3	130	39054	5	0	3
		TYPE 2	39259	5	0	5	132	40824	5	0	5
		TYPE 3	39838	5	0	4	131	38645	5	0	4
		TYPE 4	38789	4	0	4	128	38095	4	0	4
400	504	90 X 120H	51430	5	0	3	126	51954	5	0	3
		TYPE 2	49408	5	0	5	121	50337	5	0	5
		TYPE 3	50429	5	0	5	123	50712	5	0	5
		TYPE 4	48910	5	0	4	119	49098	5	0	4

ELECTRICAL SPECIFICATIONS

Projected LED Lumen Maintenance

WATTAGE	0	25000	50000	100000
100	1.00	0.95	0.91	0.82
150	1.00	0.95	0.91	0.82
230	1.00	0.95	0.91	0.82
300	1.00	0.94	0.89	0.79
400	1.00	0.94	0.89	0.79

Electrical Load

WATTAGE	LED COUNT	INPUT CURRENT (A)				
		120	208	240	277	480
100	180	0.82	0.48	240	0.41	0.22
150	270	1.22	0.72	0.63	0.55	0.32
230	378	1.87	1.11	0.96	0.82	0.48
300	378	2.46	1.44	1.25	1.11	0.63
400	504	3.37	1.92	1.67	1.44	0.85



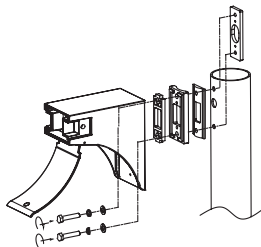
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SURGE PROTECTION SPECIFICATIONS

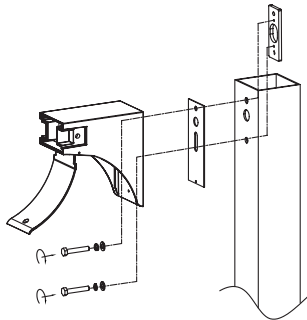
WATTAGE	VOLTAGE	SURGE PROTECTION FOR DRIVERS
100W	100-277V	Line to Line 4 kV Line to GND 6KV
150W	100-277V	Line to Line 4 kV Line to GND 6KV
200W	100-277V	Line-Earth 4KV, Line-Line 2KV
230W	100-277V	Line-Earth 4KV, Line-Line 2KV
300W	100-277V	Line-Earth 4KV, Line-Line 2KV
400W	100-277V	6kV line-line, 10kV line-earth
100W	277-480V	Line-Earth 4KV, Line-Line 2KV
150W	277-480V	Line-Earth 4KV, Line-Line 2KV
230W	277-480V	Line-Earth 4KV, Line-Line 2KV
300W	277-480V	Line-Earth 4KV, Line-Line 2KV
400W	277-480V	Line-Earth 4KV, Line-Line 2KV

MOUNTING DRAWINGS

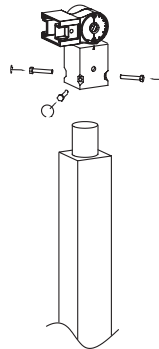
Round Pole Adapter
(Used with Square Pole Arm)



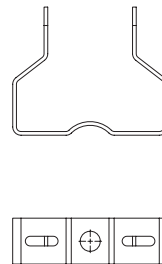
Arm Mount



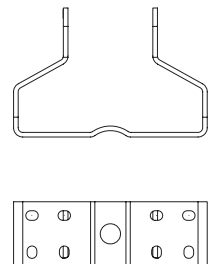
Slipfitter



Trunnion
100W



Trunnion
230W



EPA



EPA's maximum

100W	0.63	1.89
150W	0.63	1.89
230W	0.64	2.8
300W	0.64	2.8
400W	0.84	3.32

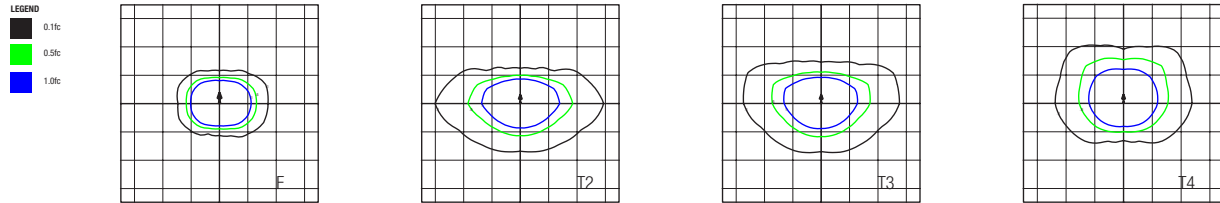


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PHOTOMETRIC DIAGRAMS

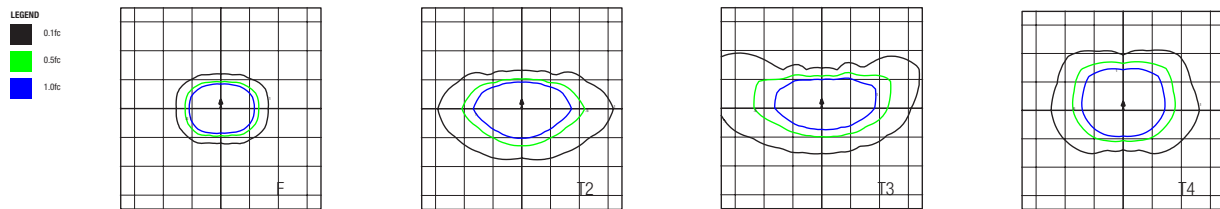
100W

Isofootcandle plots for the LPFLED 100W. Distances are in units of 30'. Mounting height is 20'.



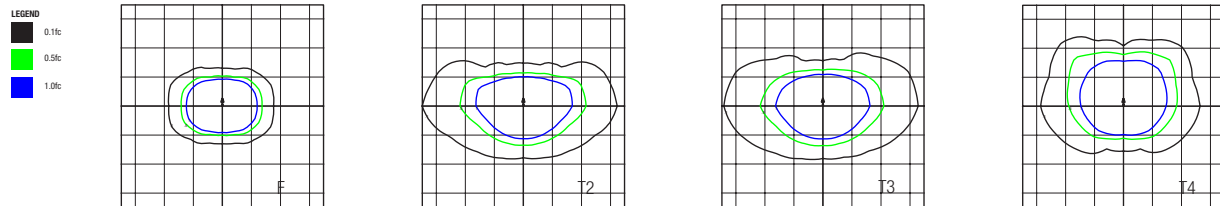
150W

Isofootcandle plots for the LPFLED 150W. Distances are in units of 30'. Mounting height is 20'.



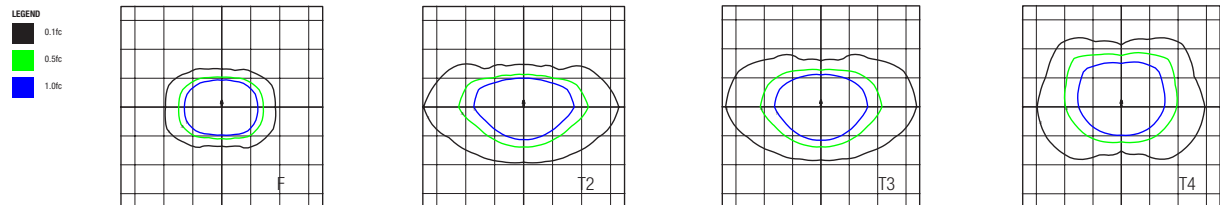
230W

Isofootcandle plots for the LPFLED 230W. Distances are in units of 35'. Mounting height is 25'.



300W

Isofootcandle plots for the LPFLED 300W. Distances are in units of 40'. Mounting height is 30'.



400W

Isofootcandle plots for the LPFLED 400W. Distances are in units of 50'. Mounting height is 50'.

