## **Features & Specifications**

**INTENDED USE** – LED area lights are all-purpose site lighting fixtures that can be used for parking lots, car dealerships, outdoor stadiums, pathways, and parks. These LED fixtures will yield a significant reduction in energy consumption compared to standard HID systems and virtually eliminate ongoing maintenance expenses with a long-lasting lifespan. Designed for outdoor applications, the LED area light fixtures will provide reduced offsite visibility as well as effective security lighting.

**CONSTRUCTION** – Heavy-duty die cast aluminum housing with bronze polyester powder paint for corrosion-free durability. Resistant to rough vibrations and external impacts. Acrylic lens protects the LEDs and provides even light distribution. Housing is sealed with a silicone gasket, protecting against moisture and environmental contaminants (IP68 rated). Modular LED bricks wired in parallel for ease of maintenance.

**OPTICS** – High-performance LEDs maintain a 36,000 Lumen output at 5000K for 50,000 hours of use.

Type III light distribution is intended for perimeter lighting of parking lots and along the edges of an open area as well as large roadways and parking lot aisles. It casts more light forward so that it can be used to light roads and pathways from the side of the road rather than being installed in the median.

LED area lights are designed to have a more directional beam angle than metal halide and high pressure sodium fixtures so no light is lost within or above the fixture. These LED fixtures also do not lose Lumens in the same way as a HID fixture, meaning the brightness stays consistent longer and needs to be replaced far less frequently.

**ELECTRICAL** – Input voltage of 200-480 VAC, 50/60Hz. Consider adding a surge protector to protect your fixtures from power surges in your electrical system as an added insurance policy to your investment.

**INSTALLATION** – A straight-arm mounting bracket makes retrofit installation simple, resulting in reduced installation time and additional labor savings. Adjustable slipfitter is available for square pole mounting applications. Slipfitter mounts provide more flexibility and control over installation and light distribution by offering a broader range of angles than a stationary arm.

**LISTINGS** – UL Certified to safety standards for wet location. Rated for -40°C to 113°F ambient temperature. DesignLights Consortium® (DLC) qualified product. IP-68 Rated.

**WARRANTY** – 5-year warranty. PLT products that are damaged or defective will be repaired or replaced at PLT's choosing for a period of 5 years. Contact 1-800-624-4488 for more information.

**ADD-ONS** – Pair with timers, photocells, and motion sensors for hassle free bright night time lighting and energy savings during the day. If pairing with a photocell, it must be LED compatible in order to operate properly. If using a conventional photocell, be sure to replace it with one rated for use with LEDs. While conventional light sensors will still work with LED fixtures at first, they will burn out prematurely. The same is true for motion sensors.

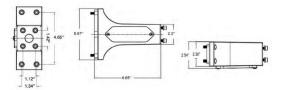
If you live in the northern hemisphere, your photocells should face north whenever possible. North-facing light sensors allow for the most balanced on/off schedule based on the arc of the sun. If pointed west, it will turn on and off late and vice versa for eastfacing light sensors. Photocells facing the south will be exposed to the most direct sunlight which can burn out the components and cause premature failure. If you want your lights to come on early or late, we recommend pointing the light sensor northeast or northwest, respectfully. The opposite is true south of the equator.

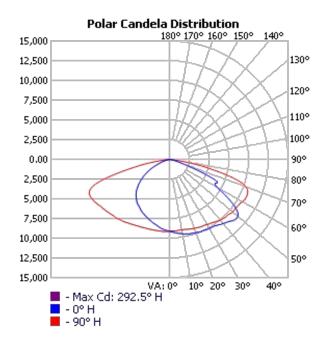






Dimensions Height: 21.38 in. Width: 12.31 in. Depth: 2.26 in. Weight: 28 lbs





SKU #	Kelvin	Lumens	Wattage	Voltage	DLC?	Mounting	Life Hours	Warranty	
LEDF-10127	5000	36,000	300	200-480V	YES	STRAIGHT ARM	50,000	5 YEAR	

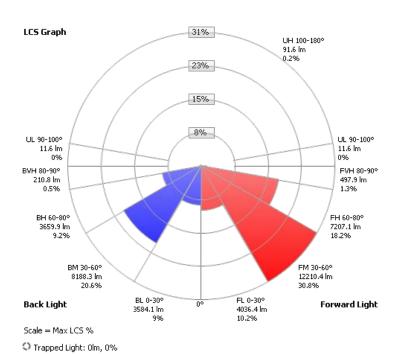


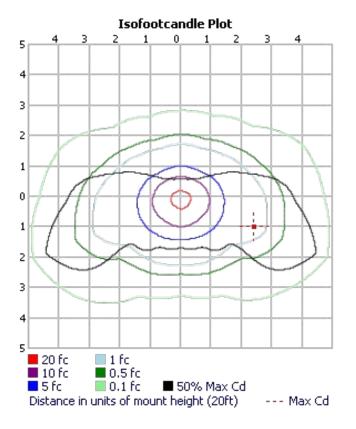
ZONE	LUMENS %	LUMINAIRE
0-30	7,620.6	19.2%
0-40	13,296.5	33.5%
0-60	28,016.0	70.6%
60-90	11,576.6	29.2%
70-100	4,814.2	12.1%
90-120	44.2	0.1%
0-90	39,592.6	99.7%
90-180	103.2	0.3%
0-180	39,695.8	100%

DISTRIBUTION:	TYPE I	II, MEDIUM
MAX CD, 90 DEG VERT:		27.3
MAX CD, 80 TO <90 DEG:		5,354.7
	LUMENS	% LAMP
WNWARD STREET SIDE: 2		60.3%
OWNWARD HOUSE SIDE: 1	15,643.1	39.4%
DOWNWARD TOTAL: 3	39,59 <mark>4</mark> .9	99.7%
UPWARD STREET SIDE:	46.7	0.1%
UPWARD HOUSE SIDE:	56.5	0.1%
UPWARD TOTAL:	103.2	0.3%
TOTAL LUMENS: 3	39,698.1	100%

ZONE	LUMENS	% TOTAL	ZONE	LUMENS 9	6 TOTAL
0-10	869.1	2.2%	90-100	11.6	0%
10-20	2,570.3	6.5%	100-110	15.0	0%
20-30	4,181.2	10.5%	110-120	17.5	0%
30-40	5,675.9	14.3%	120-130	17.5	0%
40-50	7,008.7	17.7%	130-140	14.5	0%
50-60	7,710.8	19.4%	140-150	11.3	0%
60-70	6,774.0	17.1%	150-160	8.4	0%
70-80	4,093.8	10.3%	160-170	5.2	0%
80-90	708.8	1.8%	170-180	2.1	0%

BUG RATING	B4 - 1	U3 - G4
FORWARD LIGHT	LUMENS	LUMENS %
LOW(0-30):	4,036.4	10.2%
MEDIUM(30-60):	12,210.4	30.8%
HIGH(60-80):	7,207.1	18.2%
VERY HIGH(80-90):	497.9	1.3%
BACK LIGHT		
LOW(0-30):	3,584.1	9%
MEDIUM(30-60):	8,188.3	20.6%
HIGH(60-80):	3,659.9	9.2%
VERY HIGH(80-90):	210.8	0.5%
UPLIGHT		
LOW(90-100):	11.6	0%
HIGH(100-180):	91.6	0.2%
TRAPPED LIGHT:	0.000	0%







CAN	DELA 1	FABLE	- TYPE	C													
	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5	360
0	9099	9099	9099	9099	9099	9099	9099	9099	9099	9099	9099	9099	9099	9099	9099	9099	9099
5	9360	9272	9285	9213	9110	8982	8965	8865	8888	8907	8968	9047	9175	9209	9265	9317	9360
10	9566	9461	9409	9255	9058	8938	8760	8596	8578	8669	8811	8971	9157	9342	9404	9449	9566
15	9764	9613	9526	9289	9158	8956	8609	8317	8272	8357	8608	8929	9188	9454	9506	9574	9764
20	9869	9751	9571	9430	9285	8972	8477	8046	7951	8086	8521	8957	9228	9549	9592	9622	9869
25	9976	9794	9712	9586	9420	9029	8244	7759	7633	7788	8273	8883	9337	9693	9748	9728	9976
30	10094	9837	9895	9796	9532	8985	8022	7353	7331	7401	7936	8817	9498	9904	9920	9843	10094
35	10256	10047	10134	10217	9720	8962	7711	6957	6979	7020	7671	8869	9728	10312	10150	9977	10256
40	10611	10248	10298	10554	10033	8996	7296	6405	6518	6469	7240	8851	9904	10819	10315	10312	10611
45	11047	10762	10493	10933	10199	9039	6832	5816	5974	5897	6715	8722	10069	11069	10624	10804	11047
50	11260	11360	10924	11137	10411	8790	6242	5097	5201	5152	6167	8559	10290	11269	10926	11516	11260
55	9768	10836	11592	11370	10449	8422	5518	4207	4289	4203	5470	8188	10514	11611	11645	11188	9768
60	6862	7583	11398	11827	10683	8057	4769	3209	3269	3152	4643	7713	10862	12072	11749	7907	6862
65	6677	6361	7289	12697	10823	7154	3832	2238	2191	2138	3655	6715	11079	13151	7914	6380	6677
70	2834	4355	5462	13154	10309	5696	2590	1267	1200	1188	2364	5229	10527	14518	5562	4543	2834
75	1002	1628	5192	10046	7209	4209	1225	618	584	591	1052	3888	6931	11686	5676	1724	1002
80	447	617	2289	5186	2890	2587	493	315	279	294	425	2131	2808	5355	3115	650	447
85	113	164	490	2241	474	671	169	114	79	105	148	469	524	1962	567	176	113
90	3	4	10	26	23	20	8	3	2	3	9	21	22	27	14	5	3
95	2	2	6	15	19	20	9	5	3	5	10	20	19	16	8	3	2
100	2	3	6	14	20	22	12	8	6	7	12	22	22	14	7	3	2
105	4	5	9	16	23	25	16	10	9	11	17	25	26	17	9	5	4
110	7	7	11	20	25	26	18	14	14	14	20	28	29	20	10	7	7
115	9	8	13	21	24	26	19	15	16	14	20	26	30	22	12	8	9
120	9	12	14	22	23	24	19	18	17	18	21	25	30	22	15	12	9
125	15	15	15	22	21	22	17	19	21	20	20	24	29	23	15	15	15
130	16	16	15	20	21	20	17	20	21	20	21	22	27	22	15	16	16
135	18	17	15	19	20	18	16	21	21	21	19	21	24	20	14	17	18
140	19	18	13	19	20	18	14	21	21	20	16	21	22	19	13	18	19
145	16	18	14	17	20	18	14	18	19	20	17	21	21	18	14	18	16
150	18	19	17	17	20	18	16	19	20	19	23	20	20	17	17	18	18
155	20	19	18	17	16	18	16	18	16	17	21	19	18	17	19	19	20
160	19	19	18	16	17	17	16	18	16	15	19	19	17	17	19	19	19
165	18	18	18	16	18	17	16	17	17	15	19	21	18	18	20	17	18
170	19	22	22	19	20	20	20	23	23	22	23	26	20	20	22	21	19
175	22	21	23	21	22	22	22	23	23	22	22	26	22	22	23	21	22
180	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21