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 (IP65 rated). Modular LED bricks wired in parallel for ease of maintenance.

OPTICS – High-performance Lumileds LEDs and Mean Well driver maintain a 18,000 Lumen output at 5000K. Effective Projected Areas: 0.272 square feet.

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 120-277 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 slipfitter mounting bracket for square pole mounting applications makes retrofit installation simple, resulting in reduced installation time and additional labor savings. 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 -45°C to 113°F ambient temperature. DesignLights Consortium® (DLC) qualified product. IP-65 Rated. DLC® part no: PLTB455X1102

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.

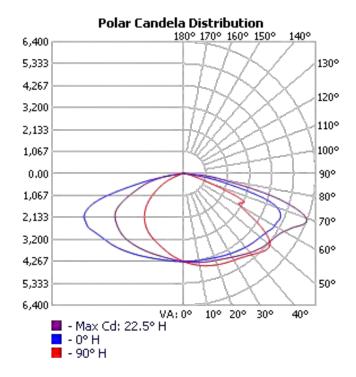
ADD-ONS – Pair with timers, photocells, and motion sensors for hassle free bright night time lighting and energy savings during the day. If pairing with a photocell, it must be LED compatible in order to operate properly. If using a conventional photocell, be sure to replace it with one rated for use 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 east-facing 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.



<u>Dimensions</u> Height: 21.81 in.

Width: 12.31 in.
Depth: 2.5 in.
Weight: 17 lbs





SKU#	Kelvin	Lumens	Wattage	Voltage	DLC?	Mounting	Life Hours	Warranty	
LEDF-10110	5000	18,000	150	120-277V	YES	SLIPFITTER	50,000	5 YEAR	

Photometrics

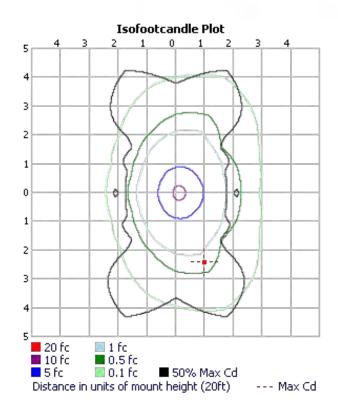


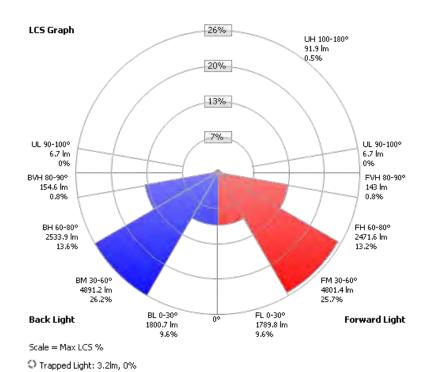
ZONA	LUMEN	SUMMA	RY
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	3,590.6	19.2%	19.2%
0-40	6,281.2	33.6%	33.6%
0-60	13,281.6	71.1%	71,1%
60-90	5,303.4	28.4%	28.4%
70-100	2,141.4	11.5%	11.5%
90-120	33.6	0.2%	0.2%
0-90	18,585.0	99,4%	99.5%
90-180	98.6	0.5%	0.5%
0-180	18,683.6	100%	100%

		ROADWAY SUMMARY
SEMICUTOFF	is.	CUTOFF CLASSIFICATION:
TYPE IV, VERY SHORT	2 7	DISTRIBUTION:
9.5	ş	MAX CD, 90 DEG VERT;
2,234.9	;	MAX CD, 80 TO <90 DEG:
LUMENS % LAMP	1	
9,205.7 49.3%		DOWNWARD STREET SIDE:
9,380.4 50.2%	;	DOWNWARD HOUSE SIDE:
18,586.2 99.5%	: 1	DOWNWARD TOTAL:
50.1 0.3%		UPWARD STREET SIDE:
48.5 0.3%		UPWARD HOUSE SIDE:
98.6 0.5%	ė.	UPWARD TOTAL:
18,684.8 100%	: 1	TOTAL LUMENS:

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	407.8	2.2%	90-100	6.7	0%
10-20	1,208.4	6.5%	100-110	11.5	0.1%
20-30	1,974.4	10.6%	110-120	15.3	0.1%
30-40	2,690.7	14.4%	120-130	16.7	0.1%
40-50	3,332.2	17.8%	130-140	15.8	0.1%
50-60	3,668.2	19.6%	140-150	13.5	0.1%
60-70	3,168.7	17.0%	150-160	10.3	0.1%
70-80	1,837.1	9.8%	160-170	6.5	0%
80-90	297.6	1.6%	170-180	2.2	0%

LCS TABLE		
BUG RATING	B4 -	U3 - G4
FORWARD LIGHT	LUMENS	LUMENS %
LOW(0-30):	1,789.8	9.6%
MEDIUM(30-60):	4,801.4	25.7%
HIGH(60-80);	2,471.6	13.2%
VERY HIGH(80-90):	143.0	0.8%
BACK LIGHT		
LOW(0-30):	1,800.7	9.6%
MEDIUM(30-60);	4,891.2	26.2%
HIGH(60-80):	2,533.9	13.6%
VERY HIGH(80-90):	154.6	0.8%
UPLIGHT		
LOW(90-100);	6.7	0%
HIGH(100-180):	91.9	0.5%
TRAPPED LIGHT:	3.2	0%





Photometrics



CAN	DELA	TABL	E-T	ME 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	4273	4273	4273	4273	4273	4273	4273	4273	4273	4273	4273	4273	4273	4273	4273	4273	4273
5	4277	4329	4371	4400	4410	4401	4374	4332	4281	4226	4175	4140	4124	4137	4171	4222	4277
10	4289	4383	4459	4512	4532	4516	4466	4391	4297	4190	4081	3996	3960	3988	4070	4181	4289
15	4311	4432	4525	4601	4633	4611	4541	4448	4325	4169	3994	3853	3791	3837	3975	4153	4311
20	4354	4490	4577	4669	4715	4689	4609	4521	4380	4169	3914	3719	3636	3697	3882	4136	4354
25	4419	4574	4634	4723	4789	4758	4688	4625	4459	4184	3825	3580	3500	3567	3780	4128	4419
30	4494	4690	4715	4779	4861	4825	4789	4763	4555	4204	3712	3409	3360	3416	3659	4126	4494
35	4578	4839	4822	4863	4969	4917	4905	4939	4664	4223	3562	3201	3185	3223	3503	4130	4578
40	4668	5011	4949	5013	5139	5068	5027	5129	4787	4236	3374	2960	2963	2981	3303	4129	4668
45	4750	5176	5097	5268	5372	5317	5170	5299	4900	4218	3158	2676	2683	2688	3071	4073	4750
50	4825	5300	5314	5580	5439	5615	5400	5438	4998	4147	2892	2321	2329	2327	2795	3962	4825
55	4941	5402	5660	5350	4668	5339	5748	5568	5125	4038	2565	1886	1883	1874	2463	3830	4941
60	5089	5620	5578	3664	3201	3650	5570	5810	5311	3848	2181	1415	1410	1371	2068	3582	5089
65	5158	6069	3481	3058	3233	3059	3425	6239	5311	3318	1713	982	963	928	1580	3013	5158
70	4824	6323	2585	2309	1406	2262	2606	6172	4959	2553	1101	555	479	508	960	2288	4824
75	3023	4785	2651	868	486	844	2557	4535	3364	1907	507	245	232	233	420	1689	3023
80	1095	2210	1280	316	223	312	1140	2235	1285	1095	181	107	91	99	156	934	1095
85	170	863	233	96	66	98	234	1003	189	182	40	24	13	19	32	136	170
90	9	7	3	2	2	2	3	10	6	8	5	3	2	3	5	8	9
95	12	7	3	2	2	2	3	7	9	10	7	4	4	4	7	11	12
100	16	10	5	3	3	3	5	10	13	14	10	7	6	7	10	14	16
105	19	13	7	4	4	4	7	12	16	16	14	10	9	10	13	17	19
110	22	15	9	6	6	6	9	14	18	19	17	13	12	13	17	19	22
115	23	17	11	8	7	8	11	16	20	21	19	16	15	16	19	21	23
120	24	19	13	10	9	10	12	18	22	22	21	18	18	18	21	23	24
125	25	20	14	12	11	12	14	18	23	23	22	20	20	20	22	24	25
130	25	20	16	13	12	13	15	19	23	24	22	21	21	22	23	25	25
135	24	21	17	15	15	15	16	19	22	24	23	23	22	23	24	25	24
140	24	21	18	16	17	17	17	20	22	24	24	23	23	23	24	24	24
145	23	21	19	18	18	18	18	20	22	23	24	24	24	24	24	24	23
150	23	21	19	19	19	19	19	21	22	23	24	24	24	24	24	24	23
155	23	22	20	20	20	20	20	21	22	23	24	24	24	24	24	24	23
160	23	22	21	21	21	21	21	22	22	23	24	25	25	24	24	23	23
165	23	23	22	22	22	22	22	22	23	23	24	25	25	25	24	24	23
170	23	23	22	22	23	23	22	23	23	23	24	24	25	24	24	24	23
175	23	23	23	23	23	23	23	23	23	23	24	24	25	24	24	24	23
180	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24