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 LEDs maintain a 18,000 Lumen output at 4000K for 50,000 hours of use. ≥70 CRI.

Type V light distribution is designed for large open spaces like intersections, large parking lots, and roadway medians. Type V light distributions direct light in a circular or square pattern in all directions around the fixture. This light distribution type is best suited for large open spaces like roadway medians and intersections, large parking lots, and anywhere an evenly spread pattern of light is required.

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 straight-arm mounting bracket makes retrofit installation simple, resulting in reduced installation time and additional labor savings. Adjustable slipfitter is available for round 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 $^{\circ}$ C to 45 $^{\circ}$ C ambient temperature. 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 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.





Dimensions
Height: 13.06 in.
Width: 12.31 in.
Depth: 2.5 in.

Polar Candela Distribution 180° 170° 160° 150° 140° 5,300 4.417 130° 3,533 120° 2,650 110° 1,767 100° 883 0.00 900 883 800 1,767 700 2,650 600 3,533 4,417 50% 5,300 VA: 0° 400 Max Cd: 45° H - 0° H - 90° H

SKU #	Kelvin	Lumens	CRI	Wattage	Voltage	DLC?	Mounting	Life Hours	Warranty
LEDF-10116	4000	18,000	70	150	120-277	NO ST	RAIGHT ARM	50.000	5 YEAR

Photometrics

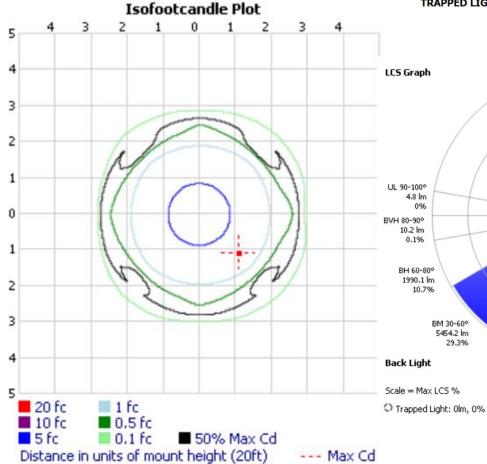


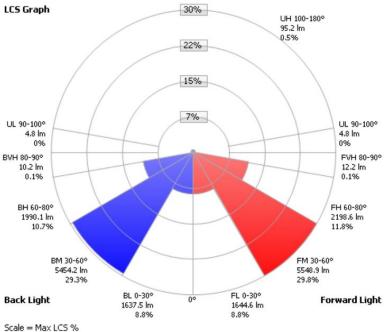
ZONA	L LUMEN	SUMMA	RY
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	3,282.3	17.7%	17.7%
0-40	6,037.5	32.5%	32.5%
0-60	14,283.8	76.8%	76.8%
60-90	4,210.9	22.6%	22.6%
70-100	566.9	3%	3%
90-120	32.8	0.2%	0.2%
0-90	18,494.7	99.5%	99.5%
90-180	100.0	0.5%	0.5%
0-180	18,594.7	100%	100%

ROADWAY SUMMARY		
CUTOFF CLASSIFICATION:		CUTOFF
DISTRIBUTION:		TYPE VS
MAX CD, 90 DEG VERT:		3.0
MAX CD, 80 TO <90 DEG:		76.0
	LUMENS	% LAMP
DOWNWARD STREET SIDE:	9,404.3	50.6%
DOWNWARD HOUSE SIDE:	9,092.0	48.9%
DOWNWARD TOTAL:	18,496.3	99.5%
UPWARD STREET SIDE:	49.5	0.3%
UPWARD HOUSE SIDE:	50.5	0.3%
UPWARD TOTAL:	100.0	0.5%
TOTAL LUMENS:	18,596.3	100%

LUME	NS PER	ZONE			
ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	341.8	1.8%	90-100	4.8	0%
10-20	1,067.1	5.7%	100-110	11.4	0.1%
20-30	1,873.5	10.1%	110-120	16.6	0.1%
30-40	2,755.2	14.8%	120-130	18.3	0.1%
40-50	3,699.9	19.9%	130-140	17.0	0.1%
50-60	4,546.4	24.4%	140-150	13.9	0.1%
60-70	3,648.8	19.6%	150-160	9.9	0.1%
70-80	539.7	2.9%	160-170	6.0	0%
80-90	22.4	0.1%	170-180	2.0	0%

LCS TABLE		
BUG RATING	B4 -	U3 - G2
FORWARD LIGHT	LUMENS	LUMENS %
LOW(0-30):	1,644.6	8.8%
MEDIUM(30-60):	5,548.9	29.8%
HIGH(60-80):	2,198.6	11.8%
VERY HIGH(80-90):	12.2	0.1%
BACK LIGHT		
LOW(0-30):	1,637.5	8.8%
MEDIUM(30-60):	5,454.2	29.3%
HIGH(60-80):	1,990.1	10.7%
VERY HIGH(80-90):	10.2	0.1%
UPLIGHT		
LOW(90-100):	4.8	0%
HIGH(100-180):	95.2	0.5%
TRAPPED LIGHT:	0.000	0%





Photometrics



			U-00 (C)														
CAN		District Control	1000	YPE C			105		100	202 5	225	247.5	270	202.5	215	227.5	200
	0	22.5	45	67.5	90									292.5			
				3530			3530	3530		3530			3530	3530		3530	
				3521			3530	3538		3564			3587	3588		3570	
				3565			3579		3624	3654			3700		3692		
				3655			3670		3734	3776			3840	3842	7.11	3804	
- 1				3786			3795	3828		3917		3986		3997	77 100 100	3946	
			THE RESERVE OF THE PERSON NAMED IN	3929			3934	3973		4069			4161	4160		4105	
	W = W			4095		THE RESERVE	4090	4129		4227			4326	4321		4263	
				4282			4263	4300		4397			4503	4497		4441	
		-		4484		4457		4478		4578			4686	4679		4640	
- 117				4712			4680	4673		4762			4854	4888		4864	-
				4956			4935	4891		4941	Personal Property and Property		5040	5084		5083	
				5184			5126		4948	5037			5179	5193		5226	
60	4730	5011	5202	5061	4848	4950	4997	4649	4383		4886	4714	4598	4828	-	4955	4730
65	3605	3867	4063	3794	3518	3605	3585	3405	3261	3350	3299	3495	3605	3639	3789	3839	3605
70	3223	2709	2600	2953	2796	2738	2648	2174	1877	2228	2470	1956	1679	2269	2614	2648	3223
75	101	235	378	194	91	166	255	145	77	150	195	92	73	105	262	225	101
80	47	76	66	54	50	51	59	62	40	59	42	35	35	38	48	71	47
85	22	30	22	19	15	16	18	22	17	18	11	8	8	10	13	25	22
90	3	3	3	3	2	3	3	3	2	2	2	2	2	2	2	2	3
95	4	4	4	4	4	5	5	5	4	4	4	4	4	4	4	3	4
100	8	8	8	7	7	8	8	9	7	7	7	7	7	7	6	6	8
105	11	11	11	11	11	12	12	13	10	10	10	10	10	10	10	9	11
110	15	15	15	15	15	16	16	16	13	13	13	13	13	13	13	12	15
115	18	18	18	18	18	19	19	19	16	16	16	16	16	15	15	15	18
120	20	20	20	20	20	20	21	21	18	18	18	18	18	18	17	17	20
125	21	21	21	22	22	22	22	22	20	20	20	19	19	19	19	19	21
130	22	22	22	22	22	23	23	23	21	21	21	21	20	20	20	20	22
135	22	22	22	23	23	23	23	23	22	22	22	21	21	21	21	21	22
140	22	22	23	23	24	23	23	23	22	22	22	22	21	21	21	21	22
145	22	22	23	23	24	23	23	23	22	22	22	22	21	21	21	21	22
150	22	22	22	22	23	23	22	22	21	21	21	21	21	21	21	21	22
155	22	22	22	22	23	22	22	22	21	21	21	21	21	21	21	21	22
160	21	22	22	22	22	22	22	21	21	21	21	21	21	20	21	21	21
165	21	21	22	22	22	22	22	21	21	21	21	21	21	21	21	21	21
170	21	21	21	21	22	22	21	21	21	21	21	21	21	21	21	21	21
175	21	21	21	21	22	21	21	21	21	21	21	21	21	21	21	21	21
180	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22