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 9,600 Lumen output at 4000K for 50,000 hours of use. ≥70 CRI. Effective Projected Areas: 0.207 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 100-277 VAC. Consider adding a surge protector to protect your fixtures from power surges in your electrical system as an added insurance policy to your investment.

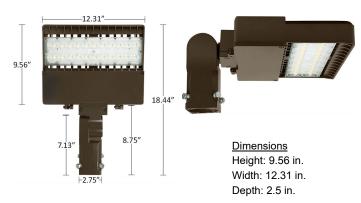
INSTALLATION – A straight-arm mounting bracket makes retrofit installation simple, resulting in reduced installation time and additional labor savings. Adjustable slipfitter is available for round pole mounting applications. Slipfitter mounts provide more flexibility and control over installation and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

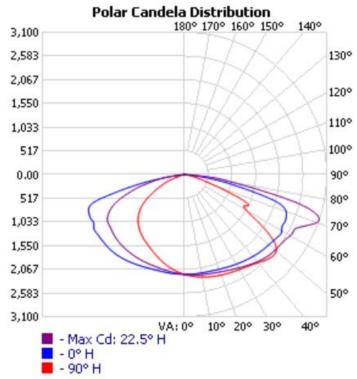
LISTINGS – UL Certified to safety standards for wet location. Rated for - 40° C to 45° C ambient temperature. IP-68 Rated.

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.





3KU #	Kelvili	Lumens	CRI	wattage	voitage	DLC	r Mounting	Life Hours	vvarranty
LEDF-10100-4	₹ 4000	9600	70	75	100-277	NO	STRAIGHT ARM	50,000	5 YEAR

Photometrics

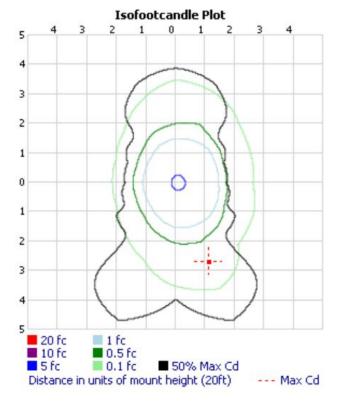


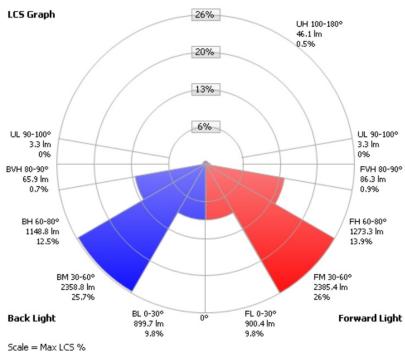
ZONA	L LUMEN	SUMMA	NRY
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	1,800.1	19.6%	19.6%
0-40	3,128.9	34.1%	34.1%
0-60	6,543.4	71.4%	71.4%
60-90	2,574.4	28.1%	28.1%
70-100	1,053.4	11.5%	11.5%
90-120	16.6	0.2%	0.2%
0-90	9,117.8	99.4%	99.5%
90-180	49.5	0.5%	0.5%
0-180	9,167.3	100%	100%

LUME	NS PER	ZONE			
ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	207.1	2.3%	90-100	3.3	0%
10-20	608.8	6.6%	100-110	5.7	0.1%
20-30	984.2	10.7%	110-120	7.6	0.1%
30-40	1,328.9	14.5%	120-130	8.3	0.1%
40-50	1,629.2	17.8%	130-140	7.9	0.1%
50-60	1,785.3	19.5%	140-150	6.9	0.1%
60-70	1,524.4	16.6%	150-160	5.2	0.1%
70-80	897.9	9.8%	160-170	3.3	0%
80-90	152.2	1.7%	170-180	1.2	0%

ROADWAY SUMMARY						
CUTOFF CLASSIFICATION:		SEMICUTOFF				
DISTRIBUTION:	TYPE IV, SHOR					
MAX CD, 90 DEG VERT:		4.3				
MAX CD, 80 TO <90 DEG:		1,232.4				
	LUMENS	% LAMP				
DOWNWARD STREET SIDE:	4,645.3	50.7%				
DOWNWARD HOUSE SIDE:	4,473.1	48.8%				
DOWNWARD TOTAL:	9,118.4	99.5%				
UPWARD STREET SIDE:	24.5	0.3%				
UPWARD HOUSE SIDE:	24.9	0.3%				
UPWARD TOTAL:	49.5	0.5%				
TOTAL LUMENS:	9,167.9	100%				

LCS TABLE		
BUG RATING	В3 -	U2 - G3
FORWARD LIGHT	LUMENS	LUMENS %
LOW(0-30):	900.4	9.8%
MEDIUM(30-60):	2,385.4	26%
HIGH(60-80):	1,273.3	13.9%
VERY HIGH(80-90):	86.3	0.9%
BACK LIGHT		
LOW(0-30):	899.7	9.8%
MEDIUM(30-60):	2,358.8	25.7%
HIGH(60-80):	1,148.8	12.5%
VERY HIGH(80-90):	65.9	0.7%
UPLIGHT		
LOW(90-100):	3.3	0%
HIGH(100-180):	46.1	0.5%
TRAPPED LIGHT:	0.8	0%





Trapped Light: 0.8lm, 0%

Photometrics



0 2 5 2 10 2 15 2	0 2175 2175 2175	22.5	45 2175	67.5		112.5	405						-				
5 2 10 2 15 2	2175 2175 2175	2175		CONTRACTOR OF STREET	90			4	100	202 6	225	247 E	270	202 5	245	227 6	200
5 2 10 2 15 2	2175 2175		21/5		2475											AND DESCRIPTION	-
10 Z	2175	2196	2242			-	2175		2175	-	-	2175		2175	-		2175
15 2		2232					2213		2174	2154		2119		2117			2175
	/ 18D i					2261		2212		2131		2051		2047			2175
	-					2289	-		2170	2110	_	1975		1969			2180
-				2319			2270		2182	2098		1898		1886			2196
				2340		2329			2204	2093		1821		1803			2222
				2363			2299		2235	2087		1742		1719			2255
				2394			2324		2264	2078		1656		-	1769		2290
				2447			2353		2289	1000000	1738	1555		1536			2326
				2540		2526			2302	2051	The second	1431			1569	1993	
	1000			2675			2499	2456		2020		1283		200	1448		2390
-				2656			2648		2300	1984		1104			1318		2430
				1927			2446		2286	1946		856	815		1143		2447
				1407		1486		2596		1783	988	572	541	540	887		2417
70 2	2357	3065	1277	1217	723	976	1227	2223	2232	1449	613	339	249	291	555	1145	2357
75 1	1772	2751	1332	528	278	391	968	1481	1678	995	321	113	108	112	211	785	1772
80	767	1232	1094	184	106	137	380	987	665	547	79	39	28	38	72	457	767
85	124	478	185	30	17	23	64	517	85	76	5	2	1	2	5	65	124
90	4	3	2	1	1	1	2	3	4	4	3	2	1	1	2	3	4
95	6	4	2	1	1	1	2	4	5	5	4	2	2	2	3	5	6
100	7	5	3	2	1	2	3	5	6	7	6	4	3	3	4	6	7
105	9	6	4	3	2	3	4	6	8	8	7	5	4	4	6	7	9
110	10	8	5	4	3	4	5	7	9	9	8	7	6	6	7	9	10
115	11	8	6	5	4	5	6	8	10	10	10	8	7	7	9	10	11
120	11	9	7	5	5	5	6	9	11	11	10	9	9	9	10	10	11
125	12	10	8	6	6	6	7	9	11	12	11	10	10	10	10	11	12
130	12	10	8	7	7	7	8	10	11	12	11	11	11	10	11	11	12
135	12	10	9	8	9	8	9	10	11	12	12	11	11	11	11	11	12
140	12	11	9	9	9	9	9	10	11	12	12	12	11	11	12	11	12
145	11	11	10	9	10	10	10	10	11	12	12	12	12	12	12	11	11
150	11	11	10	10	10	10	10	11	11	12	12	12	12	12	12		
155	11	11	10	11	11	11	11	11	11	12	12	12	12	12	12	12	
160	12	11	11	11	11	11	11	11	12	12	12	12	12	12	12	12	12
165	12	12	11	11	11	11	11	12	12	12	12	13	13	13	12		
170	12	12	12	12	12	12	12	12	12	12	12	13	13	13	12	12	12
175	12	12	12	12	12	12	12	12	12	12	12	12	13	12	12	12	12
180	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12		