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 9500 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 100-277 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.

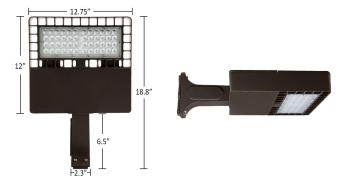
INSTALLATION – A straight-arm mounting bracket makes retrofit installation simple, resulting in reduced installation time and additional labor savings. Adjustable slipfitter is available for round pole mounting applications. Slipfitter mounts provide more flexibility and control over installation and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

LISTINGS – ETL Certified to safety standards for wet location. Rated for -40°C to 45°C ambient temperature. DesignLights Consortium® (DLC) qualified product. IP-65 Rated.

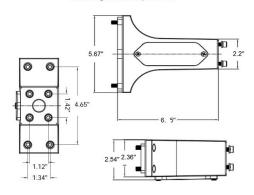
WARRANTY – 5-year warranty. PLT products that are damaged or defective will be repaired or replaced at PLT's choosing for a period of 5 years. Contact 1-800-624-4488 for more information.

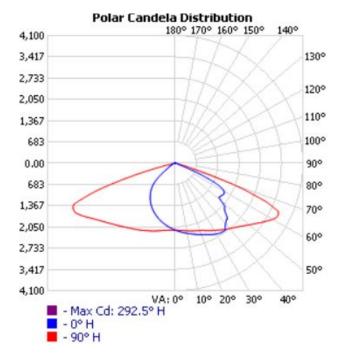
ADD-ONS – Pair with timers, photocells, and motion sensors for hassle free bright night time lighting and energy savings during the day. If pairing with a photocell, it must be LED compatible in order to operate properly. If using a conventional photocell, be sure to replace it with one rated for use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



Mounting Arm for Square Pole





SKU #	Kelvin	Lumens	Wattage	Voltage	DLC?	Mounting	Life Hours	Warranty	
PLT-10842-S	5000	9500	80	100-277V	YES	STRAIGHT ARM	50,000	5 YEAR	_

Photometrics



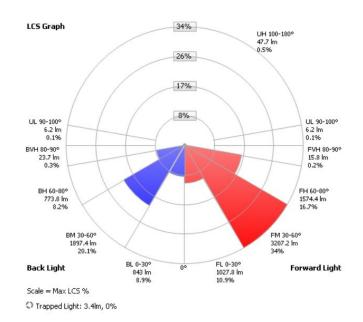
ZONA	LUMEN	SUMMA	ARY
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	1,870.9	19.9%	19.9%
0-40	3,321.6	35.3%	35.3%
0-60	6,974.6	74%	74.1%
60-90	2,387.9	25.3%	25.4%
70-100	577.5	6.1%	6.1%
90-120	21.3	0.2%	0.2%
0-90	9,362.4	99.4%	99.4%
90-180	53.9	0.6%	0.6%
0-180	9,416.3	100%	100%

	ROADWAY SUMMARY
CUTOFF	CUTOFF CLASSIFICATION:
TYPE III, SHORT	DISTRIBUTION:
22.4	MAX CD, 90 DEG VERT:
376.4	MAX CD, 80 TO <90 DEG:
LUMENS % LAMP	
5,825.3 61.8%	DOWNWARD STREET SIDE:
3,537.8 37.6%	DOWNWARD HOUSE SIDE:
9,363.1 99.4%	DOWNWARD TOTAL:
22.5 0.2%	UPWARD STREET SIDE:
31.4 0.3%	UPWARD HOUSE SIDE:
53.9 0.6%	UPWARD TOTAL:
9,417.0 100%	TOTAL LUMENS:

5	4	3	2	1	0	1	2	3	4
H									
H	+	+		+	+	+			
-	+	-							
ŀ	-	1	5	<	-	>	~	7	
ŀ	-	(1		8))	
H	+	A	1			7		1	
-		1	1	1		+		1	
ŀ	-			-					
L	-					+	-		
L	20 fc		1 fc						

LUME	NS PER	ZONE			
ZONE	LUMENS	% TOTAL	ZONE	LUMENS 9	% TOTAL
0-10	206.2	2.2%	90-100	6.2	0.1%
10-20	622.0	6.6%	100-110	6.7	0.1%
20-30	1,042.6	11.1%	110-120	8.5	0.1%
30-40	1,450.8	15.4%	120-130	8.8	0.1%
40-50	1,762.4	18.7%	130-140	8.0	0.1%
50-60	1,890.5	20.1%	140-150	6.6	0.1%
60-70	1,816.5	19.3%	150-160	5.0	0.1%
70-80	531.8	5.6%	160-170	3.1	0%
80-90	39.5	0.4%	170-180	1.1	0%

LCS TABLE		
BUG RATING	B2 -	U2 - G2
FORWARD LIGHT	LUMENS	LUMENS %
LOW(0-30):	1,027.8	10.9%
MEDIUM(30-60):	3,207.2	34%
HIGH(60-80):	1,574.4	16.7%
VERY HIGH(80-90):	15.8	0.2%
BACK LIGHT		
LOW(0-30):	843.0	8.9%
MEDIUM(30-60):	1,897.4	20.1%
HIGH(60-80):	773.8	8.2%
VERY HIGH(80-90):	23.7	0.3%
UPLIGHT		
LOW(90-100):	6.2	0.1%
HIGH(100-180):	47.7	0.5%
TRAPPED LIGHT:	3.4	0%



Photometrics



CAN	IDELA	TAB	E-T	YPE 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	2149				2149		2149	2149		The second second	2149	2149		2149		2149	
5	2223	2222	2213	2196	2167	2138	2107	2082	2070		2095	2125	2160	2186	2206	2218	2223
10	2292	2292	2284	2260	2207	2145	2075	2016	1986	1998	2046	2117	2195	2244	2274	2288	2292
15	2363	2368	2365	2331	2250	2152	2041	1944	1893	1914	1999	2124	2250	2325	2360	2365	2363
20	2441	2457	2470	2426	2305	2164	2002	1862	1790	1822	1952	2138	2314	2425	2470	2459	2441
25	2533	2557	2580	2538	2390	2184	1958	1770	1677	1722	1895	2141	2384	2528	2584	2565	2533
30	2627	2658	2693	2660	2493	2220	1906	1664	1552	1605	1823	2140	2462	2637	2708	2677	2627
35	2682	2747	2822	2804	2611	2269	1849	1543	1408	1472	1733	2139	2548	2762	2837	2789	2682
40	2512	2601	2961	2973	2738	2328	1773	1389	1239	1307	1622	2129	2654	2912	2988	2883	2512
45	2298	2577	3070	3182	2881	2368	1672	1198	1037	1112	1484	2125	2781	3110	3190	2654	2298
50	1982	2198	2863	3452	3083	2418	1523	931	719	831	1296	2121	2942	3358	3403	2291	1982
55	1815	1885	2669	3756	3330	2480	1296	548	355	450	1026	2092	3137	3656	3289	1790	1815
60	1814	1850	2487	4014	3609	2542	937	256	216	231	617	2009	3402	3943	3236	1770	1814
65	1162	1375	2529			2546	480	171	142	169	260	1802	3599	4059	3152	1635	1162
70	169	243	1917			2255	187	127	107	114	156	1343		2868	2993	875	169
75	58	84	509	191	166	1507	101	87	85	85	112	637	864	335		194	58
80	27	24	104	65	8	376	57	59	64	61	70	138	10	90	216	65	27
85	15	11	15	34	9	37	36	39	41	40	40	45	16	58	32	15	15
90	9	8	4	8	4	10	14	19	22	22	19	21	7	22	8	6	9
95	1	1	2	5	6	6	6	4	3	3	5	6	7	5	2	2	1
100	1	1	2	6	8	8	8	5	3	4	6	7	9	7	3	2	1
105	2	2	4	7	9	10	9	6	4	5	8	9	11	8	5	2	2
110	4	3	5	8	11	12	10	7	5	6	9	11	12	9	6	3	4
115	5	4	7	9	12	13	11	8	6	7	10	12	13	10	7	4	5 6
120	6	5	7	9	12	13	12	9	7	8	11	12	13	11	8	5	
125 130	7	5 6	7	10 10	13 13	14 14	12 13	10	9 10	9	12 12	13 13	13 13	11	8	5 6	7
135	7	6	8	10	13	14	12	11	10	11	12	13	13	11	8	7	7
140	7	7	8	10	12	13	12	11	11	11	12	13	13	11	9	7	7 7 7
145	7	8	9	10	12	13	12	11	11	11	12	12	12	11	9	8	7
150	8	8	9	10	11	12	12	12	11	11	12	12	12	11	9	9	
155	9	9	9	10	11	12	12	12	12	12	12	12	11	11	10	9	8
160	9	10	10	10	11	12	12	12	12	12	12	12	11	11	10	10	9
165	10	10	10	11	11	12	12	12	12	12	12	12	11	11	10	10	10
170	10	11	10	11	11	11	11	12	12	12	11	11	11	11	11	11	10
175	11	11	11	11	11	11	11	12	12	12	11	11	11	11	11	11	11
180	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11