Features & Specifications



Weight: 23.5 lbs

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 24,000 Lumen output at 4000K 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 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.

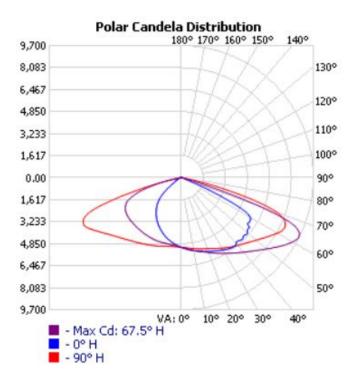
LISTINGS – ETL Certified to safety standards for wet location. Rated for - 40° C to 45° C ambient temperature. IP-65 Rated.

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.





SKU #	Kelvin	Lumens	Wattage	Voltage	DLC?	Mounting	Life Hours	Warranty	
PLT-10828-S4	K 4000	24,000	200	120-277	NO S	STRAIGHT ARM	50,000	5 YEAR	

PHOTOMETRICS



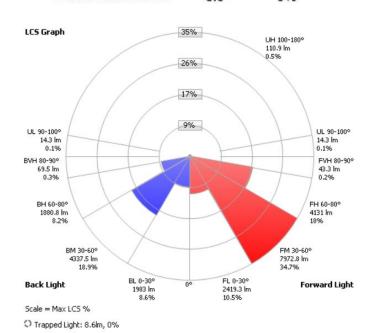
ZONA	L LUMEN	SUMMA	RY
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	4,402.4	19.2%	19.2%
0-40	7,785.2	33.9%	33.9%
0-60	16,710.8	72.7%	72.8%
60-90	6,124.8	26.7%	26.7%
70-100	1,635.9	7.1%	7.1%
90-120	49.7	0.2%	0.2%
0-90	22,835.5	99.4%	99.5%
90-180	125.2	0.5%	0.5%
0-180	22,960.7	100%	100%

	ROADWAY SUMMARY
CUTOFF	CUTOFF CLASSIFICATION:
TYPE III, SHORT	DISTRIBUTION:
51.4	MAX CD, 90 DEG VERT:
665.7	MAX CD, 80 TO <90 DEG:
LUMENS % LAMP	
14,566.4 63.4%	DOWNWARD STREET SIDE:
8,270.8 36%	DOWNWARD HOUSE SIDE:
22,837.2 99.4%	DOWNWARD TOTAL:
49.3 0.2%	UPWARD STREET SIDE:
75.9 0.3%	UPWARD HOUSE SIDE:
125.2 0.5%	UPWARD TOTAL:
22,962.4 100%	TOTAL LUMENS:

	4	3	2	1	0	1	2	3	4
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LUME	NS PER	ZONE			
ZONE	LUMENS	% TOTAL	ZONE	LUMENS 9	% TOTAL
0-10	489.1	2.1%	90-100	14.3	0.1%
10-20	1,468.9	6.4%	100-110	15.7	0.1%
20-30	2,444.5	10.6%	110-120	19.8	0.1%
30-40	3,382.8	14.7%	120-130	20.5	0.1%
40-50	4,200.5	18.3%	130-140	18.7	0.1%
50-60	4,725.0	20.6%	140-150	15.3	0.1%
60-70	4,503.1	19.6%	150-160	11.4	0%
70-80	1,508.8	6.6%	160-170	7.1	0%
80-90	112.8	0.5%	170-180	2.5	0%

LCS TABLE		
BUG RATING	В3 -	U3 - G3
FORWARD LIGHT	LUMENS	LUMENS %
LOW(0-30):	2,419.3	10.5%
MEDIUM(30-60):	7,972.8	34.7%
HIGH(60-80):	4,131.0	18%
VERY HIGH(80-90):	43.3	0.2%
BACK LIGHT		
LOW(0-30):	1,983.0	8.6%
MEDIUM(30-60):	4,337.5	18.9%
HIGH(60-80):	1,880.8	8.2%
VERY HIGH(80-90):	69.5	0.3%
UPLIGHT		
LOW(90-100):	14.3	0.1%
HIGH(100-180):	110.9	0.5%
TRAPPED LIGHT:	8.6	0%



PHOTOMETRICS



CAN	IDELA	TABI	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	5106	5106	5106	5106	5106	5106	5106	5106	5106	5106	5106	5106	5106	5106	5106	5106	5106
5	5282	5292	5281	5254	5178	5105	5021	4944	4921	4914	4955	5003	5079	5150	5220	5244	5282
10	5442	5462	5478	5432	5275	5131	4945	4785	4718	4712	4820	4953	5110	5254	5332	5377	5442
15	5590	5644	5685	5619	5401	5160	4866	4596	4492	4494	4695	4948	5204	5409	5491	5516	5590
20	5760	5858	5947	5848	5533	5189	4762	4383	4213	4245	4566	4959	5324	5600	5688	5680	5760
25	5937	6092	6226	6115	5727	5224	4642	4146	3915	3989	4419	4954	5459	5806	5916	5873	5937
30	6135	6323	6516	6406	5971	5269	4495	3867	3591	3698	4227	4939	5618	6021	6162	6087	6135
35	6313	6570	6817	6737	6234	5322	4308	3547	3231	3380	4012	4923	5788	6264	6427	6330	6313
40	6281	6797	7152	7123	6485	5386	4070	3161	2830	3006	3748	4906	5991	6586	6730	6551	6281
45	6354	6815	7523	7574	6771	5428	3759	2699	2359	2556	3439	4892	6254	7008	7116	6513	6354
50	6341	6627	7742	8134	7137	5428	3338	2050	1640	1939	3045	4882	6589	7558	7422	6364	6341
55	5924	6299	8080	8791	7597	5433	2747	1180	823	1082	2497	4847	7036	8172	7719	5973	5924
60	5847	5830	8309	9439	8140	5381	1883	570	494	525	1666	4746	7584	8728	7836	5525	5847
65	3157	4649	8178	9567	8417	5159	929	396	348	381	735	4478	7957	8924	7510	4498	3157
70	432	1297	7167	6127	7554	4372	407	296	270	283	349	3685	6959	6209		1279	432
75	118	355	2828	616	3505	2719	254	212	216	207	236	2138	2809	654	2226	345	118
80	57	74	480	189	576	666	157	151	165	149	153	518	469	194	445	79	57
85	34	30	46	108	93	125	101	101	108	98	99	115	98	110	54	29	34
90	10	8	8	25	32	45	48	51	41	51	49	46	34	27	8	6	10
95	2	2	4	11	13	13	12	8	5	8	13	14	17	12	4	2	2
100	2	3	6	14	17	18	16	11	7	11	17	19	22	15	6	3	2
105	4	4	8	17	21	22	20	14	11	15	22	24	26	18	9	4	4
110	6	6	11	19	23	26	23	18	15	19	25	28	28	21	12	6	6
115	9	7	13	20	25	28	26	21	18	22	27	30	30	23	14	8	9
120	11	9	15	21	26	30	27	23	21	24	30	31	30	24	15	10	11
125	12	11	15	21	28	30	29	24	23	27	31	31	31	25	17	12	12
130	13	13	16	22	28	30	30	26	25	28	32	32	31	25	18	13	13
135	14	14	17	22	28	30	29	27	26	28	31	31	30	25	19	15	14
140	15	16	18	22	26	29	29	28	27	28	30	30	29	25	20	16	15
145	17	17	19	22	26	28	28	28	27	28	29	29	28	25	21	18	17
150	18	19	20	22	25	27	27	28	27	28	29	28	27	25	22	19	18
155	20	20	21	23	25	26	27	27	28	28	28	27	26	25	22	21	20
160	21	22	22	23	25	26	26	27	28	28	28	27	26	25	23	22	21
165	23	23	23	24	25	26	26	27	28	27	27	27	26	25	24	23	23
170	24	24	24	25	25	26	26	27	28	27	27	27	26	25	24	24	24
175	26	25	25	25	25	26	26	26	27	27	27	26	26	25	25	25	26
180	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27