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 Samsung LEDs maintain a 18,000 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 – Integral 10kV surge protector, 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.

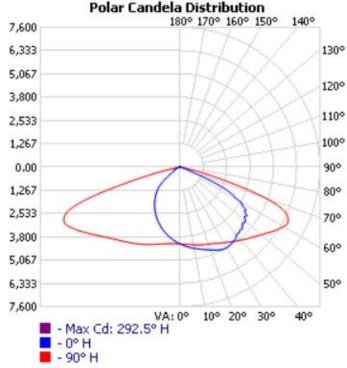
LISTINGS – ETL Certified to safety standards for wet location. Rated for -40 $^{\circ}$ C to 45 $^{\circ}$ C ambient temperature. IP-65 Rated.

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-10827-S4	K 4000	18,000	150	120-277	NO S	TRAIGHT ARM	50,000	5 YEAR	

PHOTOMETRICS



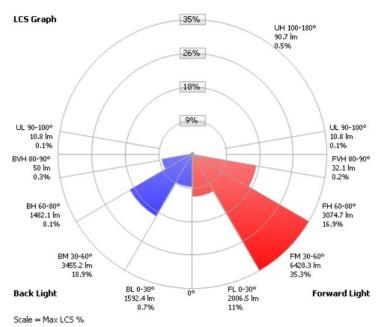
ZONA	L LUMEN	SUMMA	RY
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	3,599.0	19.7%	19.8%
0-40	6,341.8	34.8%	34.8%
0-60	13,480.8	73.9%	74%
60-90	4,638.9	25.4%	25.5%
70-100	1,181.3	6.5%	6.5%
90-120	39.3	0.2%	0.2%
0-90	18,119.8	99.4%	99.4%
90-180	101.4	0.6%	0.6%
0-180	18,221.2	99.9%	100%

ROADWAY SUMMARY		
CUTOFF CLASSIFICATION:		CUTOFF
DISTRIBUTION:	TYPE	III, SHORT
MAX CD, 90 DEG VERT:		38.5
MAX CD, 80 TO <90 DEG:		654.8
	LUMENS	% LAMP
DOWNWARD STREET SIDE:	11,541.6	63.3%
DOWNWARD HOUSE SIDE:	6,579.6	36.1%
DOWNWARD TOTAL:	18,121.2	99.4%
UPWARD STREET SIDE:	40.3	0.2%
UPWARD HOUSE SIDE:	61.1	0.3%
UPWARD TOTAL:	101.4	0.6%
TOTAL LUMENS:	18,222.6	99.9%

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ZONE	LUMENS	% TOTAL	ZONE	LUMENS 9	% TOTAL
0-10	400.3	2.2%	90-100	10.8	0.1%
10-20	1,201.2	6.6%	100-110	12.6	0.1%
20-30	1,997.5	11.0%	110-120	16.0	0.1%
30-40	2,742.8	15.1%	120-130	16.7	0.1%
40-50	3,382.6	18.6%	130-140	15.3	0.1%
50-60	3,756.4	20.6%	140-150	12.6	0.1%
60-70	3,468.4	19.0%	150-160	9.4	0.1%
70-80	1,088.4	6.0%	160-170	5.9	0%
80-90	82.1	0.5%	170-180	2.0	0%

LCS TABLE		
BUG RATING	В3 -	U3 - G3
FORWARD LIGHT	LUMENS	LUMENS %
LOW(0-30):	2,006.5	11%
MEDIUM(30-60):	6,428.3	35.3%
HIGH(60-80):	3,074.7	16.9%
VERY HIGH(80-90):	32.1	0.2%
BACK LIGHT		
LOW(0-30):	1,592.4	8.7%
MEDIUM(30-60):	3,455.2	18.9%
HIGH(60-80):	1,482.1	8.1%
VERY HIGH(80-90):	50.0	0.3%
UPLIGHT		
LOW(90-100):	10.8	0.1%
HIGH(100-180):	90.7	0.5%
TRAPPED LIGHT:	11.4	0.1%



Trapped Light: 11.4lm, 0.1%

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	4180	4180	4180	4180	4180	4180	4180	4180	4180	4180	4180	4180	4180	4180	4180	4180	4180
5	4347	4351	4333	4286	4222	4144	4075	4018	3997	4009	4048	4111	4183	4244	4298	4332	4347
10	4495	4511	4496	4427	4303	4135	3977	3851	3793	3821	3934	4084	4231	4345	4418	4466	4495
15	4634	4672	4662	4571	4383	4127	3868	3654	3560	3622	3832	4102	4343	4502	4575	4608	4634
20	4793	4860	4859	4735	4456	4115	3726	3427	3304	3404	3730	4133	4479	4712	4787	4780	4793
25	4973	5070	5065	4929	4582	4102	3565	3186	3037	3175	3608	4160	4644	4933	5023	4985	4973
30	5061	5238	5295	5171	4752	4103	3389	2908	2738	2918	3465	4180	4813	5172	5267	5131	5061
35	4966	5300	5558	5460	4951	4116	3194	2616	2427	2657	3302	4204	4992	5433	5520	5183	4966
40	4781	5418	5801	5778	5179	4128	2963	2287	2098	2334	3079	4231	5196	5730	5761	5285	4781
45	4758	5342	6118	6162	5429	4140	2677	1925	1756	1986	2825	4243	5457	6106	6027	5158	4758
50	4634	4987	6178	6572	5736	4130	2326	1477	1270	1571	2503	4273	5801	6563	6054	4851	4634
55	4300	4597	6318	7007	6109	4094	1872	821	627	938	2099	4308	6231	7052	6263	4584	4300
60	3777	3910	6185	7314	6485	3994	1204	401	383	429	1509	4307	6692	7437	6238	3981	3777
65	2306	2886	5744	6985	6459	3721	502	301	311	306	724	4194	6976	7511	6064	3022	2306
70	358	969	4580	3344	4969	2920	260	242	232	245	306	3697	6032	5667	5422	1027	358
75	110	279	1151	307	1500	1431	181	176	165	183	197	2432	2083	627	2229	283	110
80	56	71	306	145	102	324	114	115	123	120	124	655	156	172	515	74	56
85	30	23	35	81	22	83	69	70	73	74	77	133	29	96	47	27	30
90	11	8	7	16	10	27	29	31	32	36	36	38	14	25	9	10	11
95	1	2	4	10	11	11	10	7	5	6	9	10	12	8	3	2	1
100	2	2	6	13	15	16	14	9	6	8	12	14	16	11	4	2	2
105	4	3	8	15	18	20	17	11	8	11	16	18	19	13	6	3	4
110	6	5	10	17	21	23	20	14	11	14	18	21	22	15	8	5	6
115	8	6	12	18	22	25	22	17	14	16	21	23	23	17	10	6	8
120	9	8	13	19	24	26	23	18	16	19	23	24	24	18	12	7	9
125	10	9	13	19	25	27	24	20	18	21	24	25	24	19	12	9	10
130	10	10	14	19	25	27	25	21	20	22	25	25	25	20	13	10	10
135	11	12	15	19	24	26	25	22	21	22	25	26	24	20	14	11	11
140	12	13	15	19	23	25	24	23	22	23	24	25	24	20	15	13	12
145	13	14	16	19	23	24	24	23	22	23	24	24	23	20	16	14	13
150	15	15	17	19	22	23	23	23	23	23	23	23	22	20	17	15	15
155	16	17	18	19	21	23	23	23	23	23	23	23	22	20	18	17	16
160	17	18	19	20	21	22	22	23	23	23	23	22	21	20	19	18	17
165	19	19	19	20	21	22	22	23	23	23	23	22	21	20	19	19	19
170	20	20	20	21	21	22	22	23	23	23	22	22	21	21	20	20	20
175	21	21	21	21	21	22	22	22	23	22	22	22	21	21	21	21	21
180	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22