## **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 (IP64 rated). Modular LED bricks wired in parallel for ease of maintenance.

**OPTICS** – High-performance LEDs maintain a 36,000 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.

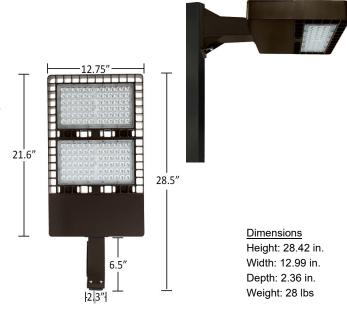
**INSTALLATION** – A straight-arm mounting bracket makes retrofit installation simple, resulting in reduced installation time and additional labor savings. Adjustable slipfitter is available for round pole mounting applications. Slipfitter mounts provide more flexibility and control over installation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

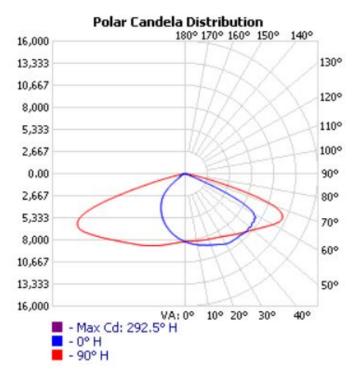
**LISTINGS** – ETL Certified to safety standards for wet location. Rated for -40°C to 45°C ambient temperature. DesignLights Consortium® (DLC) qualified product. IP-65 Rated.

**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.





SKU #	Kelvin	Lumens	Wattage	Voltage	DLC?	Mounting	Life Hours	Warranty	
PLT-10843-S4	IK 4000	36.000	300	120-277	YES	STRAIGHT ARM	50.000	5 YEAR	

## **PHOTOMETRICS**



ZONA	L LUMEN	SUMMA	RY
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	7,074.3	19%	19%
0-40	12,516.9	33.7%	33.7%
0-60	27,184.5	73.1%	73.2%
60-90	9,775.4	26.3%	26.3%
70-100	2,377.7	6.4%	6.4%
90-120	78.0	0.2%	0.2%
0-90	36,960.0	99.4%	99.5%
90-180	198.4	0.5%	0.5%
0-180	37,158.4	99.9%	100%

ROADWAY SUMMARY		
CUTOFF CLASSIFICATION:		CUTOFF
DISTRIBUTION:	TYPE	III, SHORT
MAX CD, 90 DEG VERT:		70.0
MAX CD, 80 TO <90 DEG:		829.1
	LUMENS	% LAMP
DOWNWARD STREET SIDE:	23,698.8	63.7%
DOWNWARD HOUSE SIDE:	13,263.9	35.7%
DOWNWARD TOTAL:	36,962.7	99.4%
UPWARD STREET SIDE:	77.7	0.2%
UPWARD HOUSE SIDE:	120.8	0.3%
UPWARD TOTAL:	198.4	0.5%

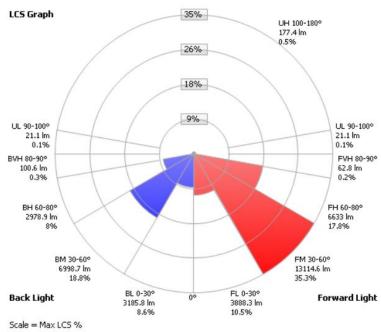
TOTAL LUMENS: 37,161.1

99.9%

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LUME	NS PER	ZONE			
ZONE	LUMENS	% TOTAL	ZONE	LUMENS 4	% TOTAL
0-10	785.8	2.1%	90-100	21.1	0.1%
10-20	2,361.5	6.4%	100-110	25.3	0.1%
20-30	3,927.1	10.6%	110-120	31.7	0.1%
30-40	5,442.5	14.6%	120-130	32.8	0.1%
40-50	6,834.9	18.4%	130-140	30.0	0.1%
50-60	7,832.8	21.1%	140-150	24.4	0.1%
60-70	7,418.8	20.0%	150-160	18.1	0%
70-80	2,193.3	5.9%	160-170	11.3	0%
80-90	163.4	0.4%	170-180	3.9	0%

LCS TABLE		
BUG RATING	B4 - I	U3 - G4
FORWARD LIGHT	LUMENS	LUMENS %
LOW(0-30):	3,888.3	10.5%
MEDIUM(30-60):	13,114.6	35.3%
HIGH(60-80):	6,633.0	17.8%
VERY HIGH(80-90):	62.8	0.2%
BACK LIGHT		
LOW(0-30):	3,185.8	8.6%
MEDIUM(30-60):	6,998.7	18.8%
HIGH(60-80):	2,978.9	8%
VERY HIGH(80-90):	100.6	0.3%
UPLIGHT		
LOW(90-100):	21.1	0.1%
HIGH(100-180):	177.4	0.5%
TRAPPED LIGHT:	25.9	0.1%



Trapped Light: 25.9lm, 0.1%

## **PHOTOMETRICS**



CAN	IDELA	TARI E	- ТҮРЕ	E 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	8201	8201	8201	8201	8201		8201	8201		8201		8201	8201	8201	8201	8201	8201
5	8488	8442	8375	8266	8186	8052		7887	7899	7958	8077	8201	8315	8408	8466	8487	8488
10	8733	8673	8585	8411	8204	7947			7548	7697		8277	8548	8717	8782	8748	8733
15	8926	8900	8825	8611	8294	7889	7479	7177	7156	7392		8408	8871	9142	9171	9025	8926
20	9152	9124	9080	8825	8411	7833	7220	6784	6711	7043	7753	8544	9225	9625	9638	9374	9152
25	9431	9397	9404	9108	8568	7763	6930	6355	6227	6648	7585	8669	9579	10094	10095	9776	9431
30	9787	9770	9764	9482	8775	7706	6603	5856	5678	6182	7340	8777	9979	10596	10593	10193	9787
35	9931	10114	10182	9977	9094	7691	6236	5321	5104	5651	7028	8901	10420	11171	11152	10580	9931
40	9954	10348	10711	10606	9517	7706	5810	4715	4465	5014	6629	9017	10890	11870	11784	10914	9954
45	10070	10597	11318	11330	10016	7718	5301	4035	3716	4277	6125	9101	11475	12706	12457	11090	10070
50	10093	10656	11930	12227	10590	7679	4637	3065	2592	3271	5451	9209	12211	13702	13238	11099	10093
55	10129	10456	12544	13290	11320	7594	3726	1690	1236	1834	4487	9285	13116	14817	13634	10764	10129
60	9521	9860	12890	14305	12255	7412	2395	786	745	809	3024	9265	14072	15735	13990	10262	9521
65	5262	7660	12564	14549	12902	6933	1015	600	619	597	1286	8949	14345	15625	13867	8240	5262
70	497	1545	10197	9236	11387	5488	514	493	475	489	553	7582	11581	8988	12396	1945	497
75	168	426	2410	704	4579	2861	370	369	324	372	384	4406	3908	880	4020	437	168
80	87	129	505	281	827	599	242	238	246	241	237	829	498	273	604	130	87
85	45	43	68	178	152	184	149	145	146	143	147	192	154	166	73	48	45
90	11	6	11	36	45	69	70	70	50	68	68	68	51	32	9	7	11
95	3	3	7	20	22	22	20	13	8	11	18	20	25	17	6	3	3
100	4	4	11	26	29	30	28	19	12	17	25	28	33	22	8	4	4
105	5	6	15	31	36	39	36	25	18	23	32	35	39	26	12	6	5
110	8	9	19	35	41	46	40	32	25	29	37	41	42	29	16	8	8
115	12	12	23	37	44	49	44	37	31	34	40	44	44	32	19	11	12
120	15	16	25	39	46	52	48	39	35	38	44	45	45	34	21	14	15
125	17	19	27	39	49	53	50	41	38	41	46	46	45	36	24	17	17
130	19	21	28	40	50	53	52	43	40	43	47	47	46	36	26	20	19
135	21	24	30	39	49	52	51	46	42	44	47	46	44	36	27	22	21
140	24	26	31	39	47	50	49	46	43	44	45	44	42	36	29	25	24
145	26	29	33	39	45	47	47	45	43	44	44	43	41	36	31	27	26
150	29	31	34	38	44	45	46	45	43	43	43	42	40	36	32	30	29
155	31	33	35	39	43	44	44	45	43	43	43	41	39	37	34	32	31
160	34	35	36	39	42	43	43	44	43	43	42	41	39	38	35	34	34
165	36	37	38	39	42	42	43	44	44	43	42	41	39	38	37	36	36
170	39	39	39	40	42	42	42	43	43	42	42	41	40	39	38	38	39
175	40	40	40	40	41	41	41	42	43	42	41	41	40	40	39	40	40
180	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42