## **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 (IP68 rated). Modular LED bricks wired in parallel for ease of maintenance.

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

 $\mbox{LISTINGS}$  – 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.

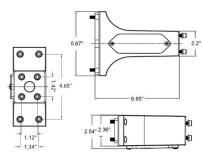
If you live in the northern hemisphere, your photocells should face north whenever possible. North-facing light sensors allow for the most balanced on/off schedule based on the arc of the sun. If pointed west, it will turn on and off late and vice versa for eastfacing light sensors. Photocells facing 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.



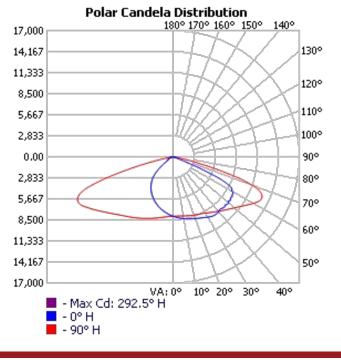




Mounting Arm for Square Pole



Dimensions Height: 28.42 in. Width: 12.99 in. Depth: 2.36 in. Weight: 28 lbs



SKU #	Kelvin	Lumens	Wattage	Voltage	DLC?	Mounting	Life Hours	Warranty	
PLT-10843-S	5000	36,000	220	120-277V	NO	STRAIGHT ARM	50,000	5 YEAR	

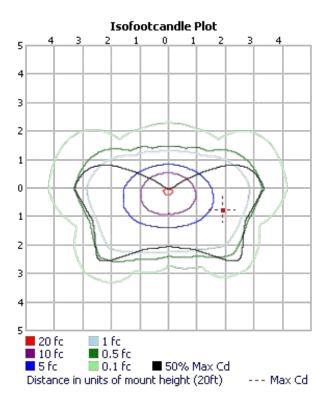


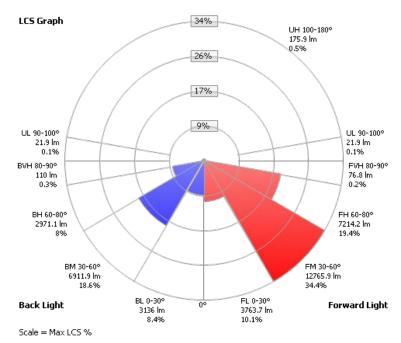
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	6,899.9	18.6%	18.6%
0-40	12,222.0	32.9%	32.9%
0-60	26,574.6	71.5%	71.5%
60-90	10,372.4	27.9%	27.9%
70-100	2,752.2	7.4%	7.4%
90-120	79.7	0.2%	0.2%
0-90	36,947.0	99.5%	99.5%
90-180	197.7	0.5%	0.5%
0-180	37,144.7	100%	100%

ROADWAY SUMMARY CUTOFF CLASSIFICATION:		CUTOFF
DISTRIBUTION:	TYPE	III, SHORT
MAX CD, 90 DEG VERT:		73.5
MAX CD, 80 TO <90 DEG:		950.3
	LUMENS	% LAMP
DOWNWARD STREET SIDE:	23,820.5	64.1%
DOWNWARD HOUSE SIDE:	13,129.0	35.3%
DOWNWARD TOTAL:	36,949.5	99.5%
UPWARD STREET SIDE:	77.4	0.2%
UPWARD HOUSE SIDE:	120.3	0.3%
UPWARD TOTAL:	197.8	0.5%
TOTAL LUMENS:	37,147.2	100%

LUME	NS PER	ZONE			
ZONE	LUMENS	% TOTAL	ZONE	LUMENS 9	% TOTAL
0-10	766.4	2.1%	90-100	21.9	0.1%
10-20	2,303.0	6.2%	100-110	26.0	0.1%
20-30	3,830.5	10.3%	110-120	31.8	0.1%
30-40	5,322.1	14.3%	120-130	32.5	0.1%
40-50	6,673.1	18.0%	130-140	29.4	0.1%
50-60	7,679.5	20.7%	140-150	23.8	0.1%
60-70	7,642.0	20.6%	150-160	17.6	0%
70-80	2,543.5	6.8%	160-170	11.0	0%
80-90	186.8	0.5%	170-180	3.8	0%

BUG RATING	B4 - U3 - G4					
FORWARD LIGHT	LUMENS	LUMENS %				
LOW(0-30):	3,763.7	10.1%				
MEDIUM(30-60):	12,765.9	34.4%				
HIGH(60-80):	7,214.2	19.4%				
VERY HIGH(80-90):	76.8	0.2%				
BACK LIGHT						
LOW(0-30):	3,136.0	8.4%				
MEDIUM(30-60):	6,911.9	18.6%				
HIGH(60-80):	2,971.1	8%				
VERY HIGH(80-90):	110.0	0.3%				
UPLIGHT						
LOW(90-100):	21.9	0.1%				
HIGH(100-180):	175.9	0.5%				
TRAPPED LIGHT:	1.8	0%				





🔾 Trapped Light: 1.8lm, 0%



CAN	DELA	TABLE	- TYP	EC									-				
	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	8002	8002	8002	8002	8002	8002	8002	8002	8002	8002	8002	8002	8002	8002	8002	8002	8002
5	8243	8222	8171	8099	8002	7901	7806	7742	7729	7769	7857	7971	8084	8169	8219	8247	8243
10	8461	8438	8377	8264	8079	7855	7626	7461	7417	7514	7736	8014	8269	8422	8476	8480	8461
15	8651	8643	8621	8484	8198	7827	7440	7151	7067	7226	7620	8113	8533	8765	8800	8715	8651
20	8843	8858	8870	8704	8330	7788	7231	6816	6684	6916	7498	8217	8825	9180	9199	8999	8843
25	9072	9119	9183	8990	8482	7760	6983	6434	6249	6560	7345	8320	9157	9632	9648	9341	9072
30	9373	9460	9546	9375	8739	7766	6704	5996	5760	6142	7123	8403	9518	10111	10105	9739	9373
35	9624	9835	9986	9878	9108	7798	6382	5498	5210	5640	6813	8476	9921	10636	10632	10171	9624
40	9554	10066	10509	10497	9550	7847	5995	4894	4569	5016	6417	8548	10357	11266	11250	10539	9554
45	9666	10144	11142	11260	10086	7884	5498	4171	3757	4258	5893	8603	10935	12092	11963	10618	9666
50	9741	10269	11725	12202	10714	7899	4830	3090	2529	3135	5174	8656	11663	13134	12761	10651	9741
55	9509	10181	12502	13400	11511	7864	3870	1676	1220	1685	4127	8659	12555	14409	13415	10528	9509
60	9139	9558	12902	14575	12512	7693	2481	861	821	864	2628	8496	13543	15589	14071	10095	9139
65	6863	8039	12837	15027	13181	7195	1084	671	686	672	1130	7948	14176	16029	14228	9044	6863
70	772	2332	11043	10043	11637	5747	578	552	497	549	599	6398	12497	10496	13425	4044	772
75	209	580	3933	1058	4738	3133	410	409	352	396	430	3604	5493	1211	6216	726	209
80	101	143	750	294	862	685	250	260	266	255	264	809	895	309	950	183	101
85	51	48	74	173	171	180	156	159	163	157	163	197	187	197	84	54	51
90	10	9	12	39	45	65	69	69	67	70	73	73	55	41	12	8	10
95	3	4	7	19	22	23	22	15	10	13	20	21	26	17	6	4	3
100	4	4	10	25	30	32	30	21	13	18	27	29	34	22	9	5	4
105	6	6	14	30	36	40	38	27	19	24	34	37	40	26	12	6	6
110	9	9	18	34	41	46	41	33	25	30	38	42	43	- 30	16	9	9
115	13	12	22	36	43	49	45	37	31	34	41	45	44	- 33	20	12	13
120	16	15	24	36	46	51	48	39	34	38	44	46	45	-35	22	15	16
125	18	18	26	37	48	52	49	40	37	41	46	46	46	- 36	24	18	18
130	19	21	27	37	48	52	50	43	- 39	42	47	47	46	- 36	26	20	19
135	21	24	29	37	47	50	49	44	41	43	46	46	44	- 36	28	23	21
140	24	26	- 30	37	45	48	47	44	42	43	45	44	43	- 36	29	25	24
145	26	28	32	37	43	45	45	44	42	42	43	43	41	- 36	31	28	26
150	29	31	33	37	41	43	43	43	42	42	42	41	40	- 36	32	-30	29
155	31	33	34	37	41	42	42	43	42	42	42	40	39	37	34	- 32	31
160	33	35	36	38	40	41	41	42	42	42	41	40	39	37	35	- 34	33
165	36	36	37	38	40	41	41	42	42	41	41	40	39	- 38	36	- 36	36
170	- 38	38	38	39	40	40	40	41	42	41	41	40	39	- 38	37	- 37	38
175	39	39	39	39	40	40	40	40	41	41	40	40	39	- 39	38	- 39	39
180	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41