## **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 12,500 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.

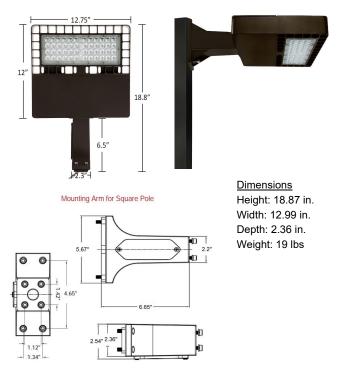
**INSTALLATION** – A straight-arm mounting bracket makes retrofit installation simple, resulting in reduced installation time and additional labor savings. Adjustable slipfitter is available for round pole mounting applications. Slipfitter mounts provide more flexibility and control over installation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

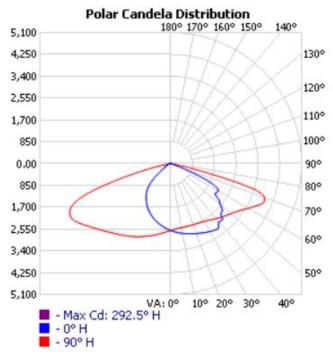
**LISTINGS** – ETL Certified to safety standards for wet location. Rated for - $40^{\circ}$ C to  $45^{\circ}$ C ambient temperature. IP-65 Rated.

**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-10826-S4	K 4000	12,500	100	120-277	YES	STRAIGHT ARM	50,000	5 YEAR	

## **PHOTOMETRICS**



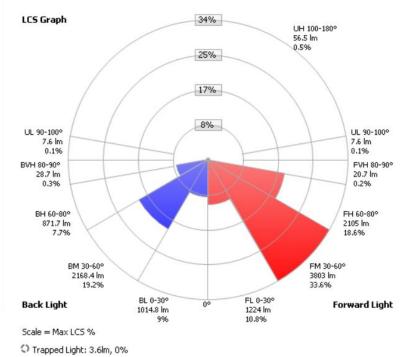
ZONA	L LUMEN	SUMMA	RY
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	2,238.9	19.8%	19.8%
0-40	3,944.1	34.9%	34.9%
0-60	8,209.3	72.6%	72.7%
60-90	3,026.2	26.8%	26.8%
70-100	861.5	7.6%	7.6%
90-120	25.8	0.2%	0.2%
0-90	11,235.5	99.4%	99.4%
90-180	64.1	0.6%	0.6%
0-180	11,299.6	100%	100%

	ROADWAY SUMMARY
CUTOFF	CUTOFF CLASSIFICATION:
TYPE III, SHORT	DISTRIBUTION:
27.2	MAX CD, 90 DEG VERT:
266.0	MAX CD, 80 TO <90 DEG:
LUMENS % LAMP	
7,152.7 63.3%	DOWNWARD STREET SIDE:
4,083.6 36.1%	DOWNWARD HOUSE SIDE:
11,236.3 99.4%	DOWNWARD TOTAL:
26.2 0.2%	UPWARD STREET SIDE:
37.9 0.3%	UPWARD HOUSE SIDE:
64.1 0.6%	UPWARD TOTAL:
11,300.4 100%	TOTAL LUMENS:

4	3	2	1	0	1	2	3	4
					+	+	+	+
			-	-	-			+
1		~		_		-	~	1
1	1	75	=	=	5	~	-	1
(				~		1		))
	4	1			1	1	1	
	1		1	+	+		1	
		-		-	+	+		
	JX I	1 LUX						

ZONE	LUMENS	% TOTAL	ZONE	<b>LUMENS</b>	% TOTAL
0-10	249.5	2.2%	90-100	7.6	0.1%
10-20	748.9	6.6%	100-110	8.1	0.1%
20-30	1,240.5	11.0%	110-120	10.1	0.1%
30-40	1,705.2	15.1%	120-130	10.3	0.1%
40-50	2,063.9	18.3%	130-140	9.4	0.1%
50-60	2,201.3	19.5%	140-150	7.7	0.1%
60-70	2,172.4	19.2%	150-160	5.8	0.1%
70-80	804.4	7.1%	160-170	3.7	0%
80-90	49.4	0.4%	170-180	1.3	0%

LCS TABLE		
BUG RATING	В3 -	U3 - G2
FORWARD LIGHT	LUMENS	LUMENS %
LOW(0-30):	1,224.0	10.8%
MEDIUM(30-60):	3,803.0	33.6%
HIGH(60-80):	2,105.0	18.6%
VERY HIGH(80-90):	20.7	0.2%
BACK LIGHT		
LOW(0-30):	1,014.8	9%
MEDIUM(30-60):	2,168.4	19.2%
HIGH(60-80):	871.7	7.7%
VERY HIGH(80-90):	28.7	0.3%
UPLIGHT		
LOW(90-100):	7.6	0.1%
HIGH(100-180):	56.5	0.5%
TRAPPED LIGHT:	3.6	0%



## **PHOTOMETRICS**



CAN	DELA	TABL	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	2605	2605	2605	2605		2605			2605	2605			2605	2605	2605	2605	2605
5	2689	2659	2623	2590	2550	2520	2502	2497	2513	2545	2592	2643	2688	2714	2722	2711	2689
10	2762	2704	2651	2593	2524	2462	2410	2390	2410	2476	2579	2694	2793	2843	2846	2813	2762
15	2827	2751	2691	2622	2523	2419	2324	2275	2294	2392	2560	2748	2902	2986	2986	2921	2827
20	2898	2804	2746	2668	2534	2384	2238	2153	2165	2298	2526	2793	3016	3136	3138	3040	2898
25	2974	2870	2819	2732	2558	2355	2148	2025	2022	2179	2474	2830	3141	3287	3283	3159	2974
30	3053	2947	2925	2835	2601	2327	2051	1883	1860	2035	2400	2851	3259	3442	3435	3281	3053
35	3126	3032	3041	2963	2676	2302	1943	1726	1679	1859	2294	2870	3387	3612	3598	3396	3126
40	2950	2977	3176	3113	2786	2279	1817	1547	1471	1647	2160	2883	3531	3812	3781	3402	2950
45	2774	2959	3330	3303	2910	2257	1658	1319	1187	1374	1981	2893	3700	4060	4007	3336	2774
50	2556	2699	3219	3561	3040	2227	1452	957	761	961	1734	2888	3902	4367	3956	3023	2556
55	2117	2352	3244	3898	3222	2174	1135	522	379	484	1352	2850	4148	4694	3996	2560	2117
60	2129	2021	3278	4350	3483	2085	698	288	262	271	807	2756	4388	4991	3966	2211	2129
65	1630	1836	3341	4753	3808	1892	322	213	178	206	338	2510	4341	4905	3864	2057	1630
70	257	663	3069	4485	3893	1461	188	154	141	146	188	1880	3539	2716	3689	1194	257
75	76	154	1404	1080	2050	817	130	108	111	108	131	888	1384	292	1690	236	76
80	36	41	244	120	22	215	82	76	84	77	81	173	157	90	266	64	36
85	19	16	27	58	14	57	52	51	55	50	49	55	12	56	29	16	19
90	13	6	7	18	8	22	25	27	27	26	24	22	8	14	6	6	13
95	1	1	2	6	7	7	7	5	4	4	7	8	9	5	2	1	1
100	1	2	3	8	9	10	9	6	4	5	8	10	11	6	3	2	1
105	2	2	5	9	12	13	11	7	5	6	10	12	12	8	4	3	2
110	4	3	6	11	13	15	13	9	6	8	11	14	13	9	6	4	4
115	6	4	8	12	15	16	14	10	8	9	13	14	14	10	7	4	6
120	7	5	9	12	16	14	15	11	9	10	14	15	14	11	8	5	7
125	7	7	9	13	17	14	16	13	11	12	14	15	14	11	8	6	7
130	8	7	10	13	17	15	16	13	12	12	14	15	14	11	8	7	8
135	8	8	10	13	16	15	16	14	13	13	14	14	14	11	9	7	8
140	8	9	10	13	16	14	16	14	13	13	14	14	13	11	9	8	8
145	9	10	11	13	15	13	16	14	13	13	13	13	13	11	10	9	9
150	9	10	11	13	15	13	15	14	14	13	13	13	13	12	10	10	9
155	10	11	12	13	14	12	15	15	14	13	13	13	13	12	11	11	10
160	11	12	12	13	14	12	15	15	14	14	13	13	13	12	11	11	11
165	12	13	13	13	14	12	14	15	14	14	13	13	13	12	12	12	12
170	13	13	13	13	14	12	14	14	14	14	13	13	13	13	12	13	13
175	13	13	13	13	14	12	14	14	14	14	14	13	13	13	13	13	13
180	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14