

Features & Specifications



ALPINE LED AREA LIGHTS

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. Water-tight photocell receptacle protects fixture from moisture damage until a photocell is added.

OPTICS – High-performance LEDs maintain a 26,000 Lumen output at 4000K for 50,000 hours of use. ≥80 CRI.

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. Shorting cap is included. 0-10V dimmable with compatible dimmer switch. Integrated 10kV surge protection. 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 – Versatile mount design can be used with different styles of mounts, including straight arm, slipfitter, trunnion, and u brackets. Mounts sold separately.

LISTINGS – UL Certified to safety standards for wet location. Rated for -40°C to 50°C ambient temperature. IP-65 Rated. DesignLights Consortium® (DLC) qualified product. DLC® part no: PLTT431111

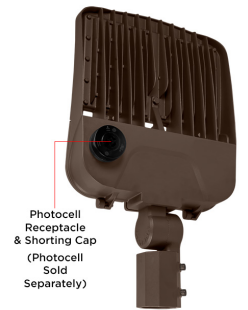
WARRANTY – 5-year warranty. PLT products that are damaged or defective will be repaired or replaced at PLT's choosing for a period of 5 years. Contact 1-800-624-4488 for more information.

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.

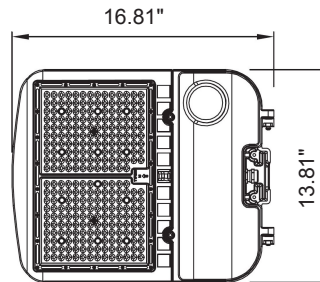
If you live in the northern hemisphere, your photocells should face north whenever possible. North-facing light sensors allow for the most balanced on/off schedule based on the arc of the sun. If pointed west, it will turn on and off late and vice versa for east-facing light sensors. Photocells facing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



Shorting Cap Included

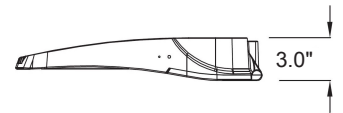


Dimensional Images:



Dimensions

Length: 16.81 in.
Width: 13.81 in.
Height: 3.0 in.



SKU #	Kelvin	Lumens	CRI	Wattage	Voltage	DLC?	Mounting	Life Hours	Warranty
PLT-11402A	4000K	26,000	80	200	120-277V	YES	Ú[√Á Á æ	50,000	5 Years

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	2,116.3	16.1%
0-40	4,268.6	32.4%
0-60	9,977.0	75.7%
60-90	3,170.7	24%
70-100	858.4	6.5%
90-120	14.7	0.1%
0-90	13,147.6	99.7%
90-180	38.0	0.3%
0-180	13,185.6	100%

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	208.1	1.6%	90-100	2.9	0%
10-20	657.9	5.0%	100-110	5.0	0%
20-30	1,250.2	9.5%	110-120	6.9	0.1%
30-40	2,152.3	16.3%	120-130	7.5	0.1%
40-50	2,735.2	20.7%	130-140	6.3	0%
50-60	2,973.2	22.5%	140-150	4.4	0%
60-70	2,315.2	17.6%	150-160	2.8	0%
70-80	770.7	5.8%	160-170	1.6	0%
80-90	84.8	0.6%	170-180	0.6	0%

Table--1 UNIT: cd

C (DEG) \ y (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5
0	2143	2143	2143	2143	2143	2143	2143	2143	2143	2143	2143	2143	2143	2143	2143	2143
5	2164	2220	2264	2293	2297	2294	2265	2212	2150	2099	2057	2023	2017	2030	2060	2107
10	2232	2342	2415	2464	2482	2468	2411	2317	2196	2090	2002	1939	1926	1948	2014	2114
15	2378	2526	2605	2659	2691	2662	2576	2466	2293	2122	1973	1878	1855	1888	1992	2167
20	2647	2827	2848	2886	2960	2887	2767	2675	2488	2208	1958	1829	1798	1839	1976	2275
25	3036	3338	3217	3248	3372	3233	3050	3045	2839	2355	1941	1789	1759	1799	1942	2369
30	3429	4089	3847	3944	4209	3940	3568	3712	3406	2484	1909	1754	1734	1769	1895	2364
35	3583	4895	4820	5043	5417	5106	4603	4834	3931	2473	1859	1702	1669	1711	1847	2293
40	3508	5040	5293	5495	5887	5660	5405	5507	3994	2398	1791	1586	1517	1576	1762	2232
45	3469	4770	5005	5411	5908	5664	5267	5216	3922	2335	1659	1362	1264	1334	1584	2149
50	3521	4792	4934	5536	6075	5850	5221	5099	4025	2243	1408	1053	948	1020	1286	1978
55	3547	5079	5183	5586	5899	5884	5515	5450	4183	2026	1048	757	657	736	931	1662
60	3400	5323	5071	4728	4533	4886	5454	5798	4218	1602	693	549	473	528	638	1193
65	2948	5258	4172	2884	2287	2809	4407	5806	4005	999	467	399	399	380	455	718
70	1922	4028	2508	1182	792	1005	2388	4796	3008	507	335	295	352	294	326	415
75	748	1479	933	436	355	388	748	1937	1139	286	211	215	271	222	213	250
80	260	317	322	225	188	208	265	439	297	147	109	83.5	43.2	60.6	103	113
85	85.5	74.4	110	78.3	61.5	73.0	97.0	106	86.7	48.2	15.2	2.67	1.06	2.28	10.3	35.6
90	3.76	4.01	3.69	2.25	1.91	2.07	3.16	4.82	3.06	2.26	1.68	1.09	0.95	1.20	1.63	2.95
95	4.86	2.31	1.88	1.34	1.29	1.30	1.63	2.31	2.92	3.70	2.72	1.59	1.25	1.45	2.58	4.73
100	7.63	2.16	1.48	1.20	1.22	1.26	1.40	1.92	3.95	6.64	4.85	2.93	2.20	2.75	4.86	7.63
105	9.96	3.19	1.67	1.25	1.28	1.28	1.43	2.30	5.60	9.00	7.27	4.82	4.14	4.90	7.48	10.0
110	11.8	4.66	1.92	1.39	1.34	1.49	1.71	3.29	7.45	10.2	8.70	7.45	6.82	7.29	8.61	11.7
115	12.7	5.99	2.71	1.58	1.75	1.84	2.42	4.52	8.42	11.5	9.64	8.53	9.31	8.35	9.65	12.5
120	13.3	6.53	3.60	2.27	1.89	2.24	2.91	5.30	8.58	12.2	11.7	10.0	10.5	10.3	11.1	12.6
125	13.5	7.27	3.90	3.07	3.13	3.09	3.32	6.09	8.73	12.8	10.8	11.5	13.4	12.0	11.1	12.8
130	13.0	7.47	3.97	3.82	3.33	3.64	3.86	6.27	9.04	11.7	10.1	12.3	14.1	13.3	11.0	11.2
135	11.1	7.22	4.05	4.02	3.88	3.94	4.11	6.24	8.36	9.72	9.67	11.4	13.4	12.7	9.74	10.1
140	9.93	6.93	4.12	4.32	4.07	4.59	4.21	6.24	7.70	9.33	7.85	10.4	11.3	11.5	8.41	9.19
145	8.57	5.99	4.34	4.66	4.29	4.68	4.27	6.14	7.05	7.76	7.28	9.08	9.59	10.2	8.71	8.10
150	7.45	5.46	4.94	4.76	4.72	4.75	4.65	5.97	6.18	6.93	7.14	8.72	9.39	9.17	8.71	7.03
155	6.14	5.35	5.48	4.73	4.71	4.81	5.54	5.90	5.31	6.09	6.51	7.43	7.44	7.76	7.76	6.57
160	5.30	5.28	5.85	4.86	4.78	4.94	5.62	5.70	5.09	5.25	5.82	5.80	5.91	6.18	6.27	5.55
165	5.40	5.34	5.88	5.11	4.87	5.14	5.73	5.31	4.87	5.06	5.48	5.63	5.83	5.74	5.34	5.61
170	5.64	5.70	6.57	6.00	5.71	6.28	5.99	5.45	5.34	5.61	6.52	7.34	7.21	6.83	6.98	6.49
175	5.71	6.19	6.92	6.33	6.61	6.43	6.33	5.66	5.43	5.65	6.67	7.09	7.11	7.28	7.08	6.85
180	5.45	6.29	7.16	6.35	6.86	6.48	6.43	5.75	5.26	5.50	6.32	6.95	6.41	6.93	6.43	6.39

