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 39,000 Lumen output at 4000K for 70,000 hours of use. ≥70 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. Includes 4kV surge protection standard. 10kV and 20kV optional. Includes a shorting cap and photocell receptacle. Features a Meanwell LED Driver.

INSTALLATION – Versatile mount design can be used with different styles of mounts, including slipfitter, straight arm, trunion, and u brackets. Mounts sold separately.

LISTINGS – UL Certified to safety standards for wet location. Rated for -40°C to 45°C ambient temperature. IP-65 Rated. IK10 rated - protected against 20 joules of impact. DesignLights Consortium® (DLC) qualified product. DLC Part Number ®: PLTB973X11X2.

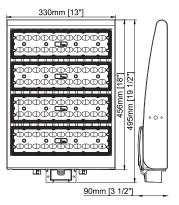
WARRANTY – 5-year warranty. PLT products that are damaged or defective will be repaired or replaced at PLT's choosing for a period of 5 years. Contact 1-800-624-4488 for more information.

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.



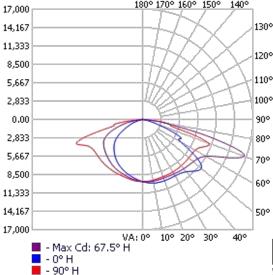




<u>Dimensions</u>

Height: 19.5 in. Width: 13 in. Depth: 3.5 in.

Polar Candela Distribution 180° 170° 160° 19





SKU #	Kelvin	Lumens	CRI	Wattage	Voltage	DLC?	Mounting L	ife Hours	Warranty	
PLT-11554	4000	39,000	70	300	120-277	Yes	Pole or Wall	70,000	5 Years	

Photometrics

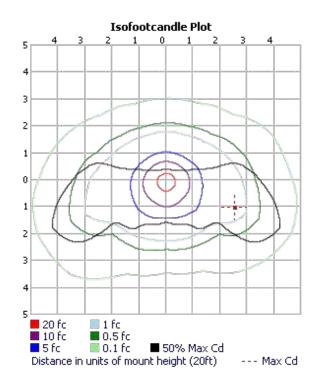


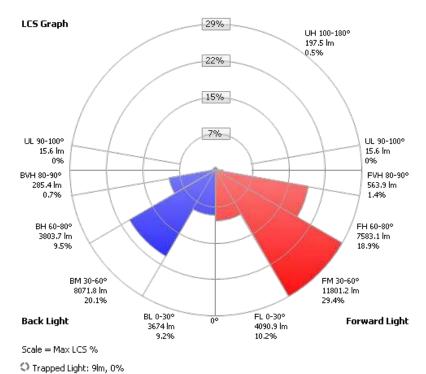
ZONA	LLUMEN	SUMMA	RY
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	7,765.0	19.4%	19.4%
0-40	13,307.0	33.2%	33.2%
0-60	27,634.7	68.9%	68.9%
60-90	12,237.1	30.5%	30.5%
70-100	5,311.0	13.2%	13.2%
90-120	73.7	0.2%	0.2%
0-90	39,871.8	99.4%	99.5%
90-180	213.0	0.5%	0.5%
0-180	40,084.8	100%	100%

ROADWAY SUMMARY					
CUTOFF CLASSIFICATION:	SEMICUTOFF				
DISTRIBUTION:	TYPE	III, MEDIUM			
MAX CD, 90 DEG VERT:		50.9			
MAX CD, 80 TO <90 DEG:		4,622.3			
	LUMENS	% LAMP			
DOWNWARD STREET SIDE:	24,039.1	60%			
DOWNWARD HOUSE SIDE:	15,834.9	39.5%			
DOWNWARD TOTAL:	39,874.0	99.4%			
UPWARD STREET SIDE:	94.3	0.2%			
UPWARD HOUSE SIDE:	118.8	0.3%			
UPWARD TOTAL:	213.1	0.5%			
TOTAL LUMENS:	40,087.1	100%			

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	909.1	2.3%	90-100	15.6	0%
10-20	2,649.0	6.6%	100-110	25.2	0.1%
20-30	4,206.8	10.5%	110-120	32.8	0.1%
30-40	5,542.0	13.8%	120-130	35.5	0.1%
40-50	6,744.0	16.8%	130-140	33.8	0.1%
50-60	7,583.6	18.9%	140-150	28.9	0.1%
60-70	6,941.7	17.3%	150-160	22.1	0.1%
70-80	4,446.0	11.1%	160-170	14.2	0%
80-90	849.4	2.1%	170-180	4.9	0%

LCS TABLE							
BUG RATING	B4 - U3 - G4						
FORWARD LIGHT	LUMENS	LUMENS %					
LOW(0-30):	4,090.9	10.2%					
MEDIUM(30-60):	11,801.2	29.4%					
HIGH(60-80):	7,583.1	18.9%					
VERY HIGH(80-90):	563.9	1.4%					
BACK LIGHT							
LOW(0-30):	3,674.0	9.2%					
MEDIUM(30-60):	8,071.8	20.1%					
HIGH(60-80):	3,803.7	9.5%					
VERY HIGH(80-90):	285.4	0.7%					
UPLIGHT							
LOW(90-100):	15.6	0%					
HIGH(100-180):	197.5	0.5%					
TRAPPED LIGHT:	9.0	0%					





Photometrics



CAN	DELA	TABLE	- TYPE	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	9577	9577	9577	9577	9577	9577	9577	9577	9577	9577	9577	9577	9577	9577	9577	9577	9577
5	9795	9774	9720	9641	9554	9459	9385	9329	9307	9322	9376	9460	9543	9635	9718	9775	9795
10	9947	9906	9794	9643	9484	9312	9165	9052	9014	9042	9147	9299	9455	9627	9789	9908	9947
15	10000	9960	9793	9606	9402	9166	8936	8767	8720	8749	8892	9109	9343	9567	9780	9968	10000
20	10024	9960	9763	9584	9347	9038	8688	8470	8408	8450	8621	8934	9255	9502	9722	9952	10024
25	10012	9924	9735	9604	9335	8924	8413	8132	8073	8111	8310	8765	9197	9474	9666	9900	10012
30	10029	9898	9740	9668	9328	8796	8077	7731	7691	7718	7929	8589	9159	9497	9640	9852	10029
35	10148	9945	9789	9767	9305	8644	7691	7275	7255	7274	7499	8358	9112	9556	9682	9865	10148
40	10515	10195	9913	9873	9288	8483	7264	6789	6771	6787	7040	8088	9062	9631	9784	10057	10515
45	11250	10863	10140	10005	9274	8322	6826	6265	6245	6272	6576	7824	8992	9712	9957	10626	11250
50	11771	11869	10780	10165	9255	8154	6372	5686	5659	5724	6132	7567	8918	9795	10342	11622	11771
55	10085	11597	12119	10465	9259	7971	5879	4949	4847	4965	5656	7289	8880	9913	11315	11896	10085
60	6612	7884	12941	11316	9396	7763	5174	3927	3691	3834	4904	6943	8986	10249	12790	8782	6612
65	6426	6617	8088	13756	10083	7395	4141	2765	2538	2619	3822	6257	9527	11500	10428	6372	6426
70	3464	4358	5324	16605	10874	6379	2939	1751	1662	1685	2673	5036	10889	14873	5497	5018	3464
75	1482	2030	5202	11418	5909	4257	1596	855	787	845	1504	3490	6964	13441	5501	2439	1482
80	599	834	2514	4242	4224	2024	587	453	450	467	597	1909	4461	4622	4261	1033	599
85	158	213	495	1563	1269	423	225	194	171	220	250	494	1460	1904	846	283	158
90	4	4	6	11	13	19	18	18	23	26	34	51	21	13	6	4	4
95	5	6	8	16	19	23	18	10	8	9	16	22	26	17	9	6	5
100	8	8	12	22	25	29	25	16	12	14	23	29	34	23	12	8	8
105	12	13	16	26	30	34	31	22	18	21	30	34	39	28	17	12	12
110	19	18	20	30	34	37	37	29	26	28	36	38	42	31	21	16	19
115	26	22	24	32	38	42	40	34	32	34	41	41	45	34	25	21	26
120	31	26	27	34	41	45	42	38	38	39	45	45	47	37	28	24	31
125	35	29	30	36	42	47	44	42	44	43	47	48	48	40	31	28	35
130	40	33	33	38	43	49	46	45	48	45	49	49	48	41	34	32	40
135	43	37	35	39	43	48	48	47	51	48	49	49	47	42	36	35	43
140	45	40	38	41	43	47	50	50	53	51	50	48	47	43	38	38	45
145	46	42	40	42	44	46	50	52	54	52	51	48	47	44	40	41	46
150	47	45	42	44	45	47	49	52	54	53	50	48	47	45	42	43	47
155	47	46	45	45	46	47	49	52	53	52	51	49	48	47	45	45	47
160	48	48	47	47	47	48	50	52	53	52	51	50	49	48	46	47	48
165	49	50	49	49	49	49	51	53	53	53	52	51	50	50	48	49	49
170	51	51	50	51	50	50	51	53	54	53	52	52	51	51	49	50	51
175	52	51	51	51	51	51	51	52	53	53	52	52	51	51	51	51	52
180	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52





Plug & Play Mount Design

LED: LUMILEDS SMD 3030. 135LPW for fixture.

Driver: 100-277VAC, 200-480VAC/50-60Hz Light Distribution: TypeII/ III/TypeIV/V/ 90x120° Surge Protection: 4KV standard, 20KV for option

3G Vibration Test: Passed Salt-Spray Test: 30,000hrs

IK10 Rated. IP65 Rated.

Slin Fitter

Straight Mount For Round Pole

Straight Mount for Square Pole

Trunnior





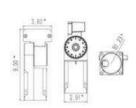


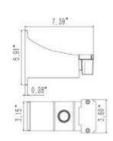


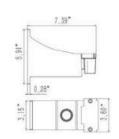
Installation Remarks

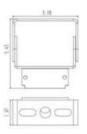
- 1. Installation angle: 0-90°
- 2. Max Pole size: 2-3/8"
- 3. Each rotation is 4°
- 4. Max Load Weight: 110lbs
- 1. Installation: wall mount or for Round Pole.
- 2. Pole size: 4",5",6"
- 3. Max Load Weight:110lbs
- 1. Installation: wall mount or for Round Pole.
- 2. Min Pole size: 3"x3"
- 3. Max Load Weight:110lbs
- 1. Installation angle: 0-180°
- 2. Max Pole size: 2-3/8"
- 3. Each rotation is 30°
- 4. Max Load Weight:110lbs

Dimensions



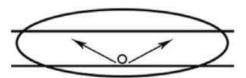






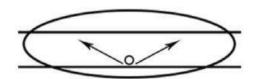


Type II



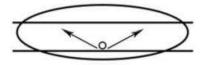
The Type II distribution is used for wide walkways, on ramps and entrance roadways, as well as other long, narrow lighting. This type is meant for lighting larger areas and usually is located near the roadside. You'll find this type of lighting mostly on smaller side streets or jogging paths. Type II light distributions have a preferred lateral width of 25 degrees. They are generally applicable to luminaires located at or near the side of relatively narrow roadways, where the width of the roadway does not exceed 1.75 times the designed mounting height.

Type III



The Type III distribution is meant for roadway lighting, general parking areas and other areas where a larger area of lighting is required. Type III lighting needs to be placed to the side of the area, allowing the light to project outward and fill the area. This produces a filling light flow. Type III light distributions have a preferred lateral width of 40 degrees. This distribution is intended for luminaires mounted at or near the side of medium width roadways or areas, where the width of the roadway or area does not exceed 2.75 times the mounting height.

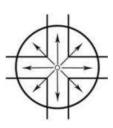
Type IV

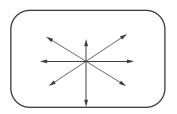


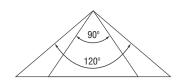
Type IV The Type IV distribution produces a semicircular light meant for mounting on the sides of buildings and walls. It's best for illuminating the perimeter of parking areas and businesses. The intensity of the Type IV lighting has the same intensity at angles from 90 degrees to 270 degrees. Type IV light distributions have a preferred lateral width of 60 degrees. This distribution is intended for side-of-road mounting and is generally used on wide roadways where the roadway width does not exceed 3.7 times the mounting height.

Type V

Type V produces a circular distribution that has the same intensity at all angles. This distribution has a circular symmetry of candlepower that is essentially the same at all lateral angles. It is intended for luminaire mounting at or near center of roadways, center islands of parkway, and intersections. It is also meant for large, commercial parking lot lighting as well as areas where sufficient, evenly distributed light is necessary







90x120°

90x120" distribution is meant for flood light luminiares and is ideal for large open areas, building outside areas, stadiums, parks, billboards, etc.









Parking Lots Campuses Auto Dealerships

Packing Dimensions

Model	Case Oty	Slip Fit	Slip Fitter		Straight Mount		nion	Circ(nm)	20GP	40GP	40HQ
Model	(PCS)	N.W(KG)	G.W(KG)	N.W(KG)	G.W(KG)	N.W(KG)	G.W(KG)	Size(cm)	(PCS)	(PCS)	(PCS)
80W/120W 150W	1	6.4	7.3	6.1	7.0	5.9	6.8	49.5*38.5*12.5cm	1000	2150	2500
220/300W	1	10.1	11.1	6.7	7.5	6.5	7.3	69*38.5*12.5cm	960	2070	2400

U Bracket	Case Oty (PCS)	N.W(KG)	G.W(KG)	Size(cm)
80W/120W 150W	1	5.8	6.6	38.5*38.5*12.5cm
220/300W	1	10.0	10.8	59*38.5*12.5cm