



Sabre Wattage and Color Selectable LED Area Lights

DESCRIPTION

Outlasting and outperforming traditional metal halide fixtures, these beam angle, wattage, and color selectable LED area lights are ideal for a variety of outdoor applications.

FEATURES

- Up to 176 LPW ultra-high efficiency delivers superior performance over older HID fixtures
- Output varies depending on the wattage and color temperature selected, see Selectable Table for full breakdown
- Switchable lenses allow you to swap between Type III (pre-installed), Type IV, and Type V light distribution
- Type III light distribution projects light outwards with a lateral width of 40 degrees
- Type IV light distribution projects light outwards in a wide forward throw with very little light spillage behind the fixture, making it ideal for perimeter lighting
- Type V light distribution projects light in a circular pattern with the same intensity at all angles
- Select fixtures come with photocell and shorting cap (PLT-13612 & PLT-13613 only); see Photocells & Shorting Cap section for more information
- 0-10V dimming
- 3.9' whip
- Mounting accessories sold separately, see Mounting Accessories sections for full list of compatible mounts
- Shielding accessories sold separately, see Shields sections for full list of compatible mounts
- Wattage and color temperature can be adjusted using the switched location on the driver of the fixture; see installation instructions for more information

LISTINGS

- UL Listed for wet locations
- IP65
- IK08

PERFORMANCE

- CRI: >80
- CCT: 3000K, 4000K, & 5000K
- LED L70 Life Hours: 155,000 hours (PLT-13144), 145,000 hours (PLT-13145)
- Light Distribution: Type V
- Philips Lumiled LEDs & Sosen driver

THERMAL

- -40°F to 122°F (-40°C to 50°C) operating temperature

ELECTRICAL

- THD: ≤20%
- Power Factor: ≥0.9
- Input Voltage: 120-277V
- Dimmable power supply (0-10V)
- Surge Protection: 6kV, 10kV

Project name	Type
Catalog number	
Comments	Voltage
Approved by	Date



LISTED



INSTALLATION

- Designed to be mounted with Series Series slipfitters, straight arms, or U brackets (all sold separately), see Mounting Accessories section for full list of compatible products. See installation instructions for more information on how to install these fixtures.

CONSTRUCTION

- Low profile die-cast aluminum housing
- Durable dark bronze powder coat finish
- Polycarbonate lens

WARRANTY

- 5-year limited warranty; see pltsolutions.com for warranty details

APPLICATIONS

- Parking Lots
- Automotive Dealerships
- Roadways
- Campuses
- Area Security Lighting
- Airports

PERFORMANCE SUMMARY

Item #	Family	Watts*	CCT*	CRI	Dimming	Voltage	Replaces	Light Distribution	Sensors	BUG
PLT-13144	Sabre Series	100 / 120 / 150	3000K / 4000K / 5000K	>80	0-10V	120-277V	MH400	Type III & Type V	N/A	B4-U0-G4
PLT-13145	Sabre Series	260 / 280 / 300	3000K / 4000K / 5000K	>80	0-10V	120-277V	MH1000	Type III & Type V	N/A	B5-U0-G5
PLT-13612	Sabre Series	100 / 120 / 150	3000K / 4000K / 5000K	>80	0-10V	120-277V	MH450	Type II / Type IV / Type V	Photocell & Shorting Cap	B3-U0-G3 / B3-U0-G3 / B4-U0-G4
PLT-13613	Sabre Series	100 / 120 / 150	3000K / 4000K / 5000K	>80	0-10V	277-480V	MH450	Type III / Type IV / Type V	Photocell & Shorting Cap	B3-U0-G3 / B3-U0-G3 / B4-U0-G4

* See Selectable Table for full breakdown

SELECTABLE TABLE

SKU	Wattage	Voltage	CCT	Lumens	Efficacy
PLT-13144	100	AC120V	3000K	14,707	147
			4000K	15,193	152
			5000K	15,276	153
	120		3000K	16,833	140
			4000K	17,666	147
			5000K	17,617	147
	150		3000K	21,782	145
			4000K	21,507	143
			5000K	22,238	148
PLT-13145	200	AC120V	3000K	30,734	154
			4000K	31,924	160
			5000K	31,972	160
	240		3000K	35,616	148
			4000K	37,228	155
			5000K	37,099	155
	300		3000K	43,363	145
			4000K	45,922	153
			5000K	45,605	152

SKU	Wattage	Voltage	Beam Angle	CCT	Lumens	LPW	
PLT-13612	100	120	Type III	3000K	16,920	169	
				4000K	17,180	172	
				5000K	1,7330	173	
			TYPE IV	3000K	16,845	168	
				4000K	17,447	174	
				5000K	17,602	176	
			TYPE V	3000K	16,147	161	
				4000K	16,736	167	
				5000K	16,750	168	
	120		Type III	3000K	19,313	161	
				4000K	20,049	167	
				5000K	19,973	166	
			TYPE IV	3000K	19,683	164	
				4000K	20,498	171	
				5000K	20,769	173	
			TYPE V	3000K	18,893	157	
				4000K	19,698	164	
				5000K	19,600	163	
			150	Type III	3000K	23,496	157
					4000K	24,445	163
					5000K	24,117	161
	TYPE IV			3000K	24,097	161	
				4000K	25,217	169	
				5000K	25,312	169	
	TYPE V			3000K	22,884	153	
				4000K	24,024	160	
				5000K	23,679	158	

SELECTABLE TABLE

SKU	Wattage	Voltage	Beam Angle	CCT	Lumens	LPW
PLT-13613	100	277V	Type III	3000K	16,526	165
				4000K	17,117	171
				5000K	17,163	172
			TYPE IV	3000K	16,720	167
				4000K	17,313	173
				5000K	17,546	175
			TYPE V	3000K	15,907	159
				4000K	16521	165
				5000K	16,547	165
	120		Type III	3000K	19,251	160
				4000K	20,715	173
				5000K	20,406	170
			TYPE IV	3000K	20,065	167
				4000K	20,886	174
				5000K	21,058	175
			TYPE V	3000K	18,852	157
				4000K	19,751	165
				5000K	19,586	163
	150		Type III	3000K	23,147	154
				4000K	24,311	162
				5000K	24,016	160
			TYPE IV	3000K	24,264	162
				4000K	25,300	169
				5000K	24,655	164
			TYPE V	3000K	22,749	152
				4000K	23,920	159
				5000K	23,776	159

MOUNTING ACCESSORIES (SOLD SEPARATLY)

Item #	Family	Description	Adjustable	Compatible Fixtures
PLT-13146	Sabre Series	Slipfitter Mount – for 2 ½ in. Tenon - Bronze	0-90°	PLT-13144, PLT-13145, PLT-13612, PLT-13613
PLT-13147	Sabre Series	6 in. Aluminum Adjustable Arm – for Square Poles - Bronze	0-35°	PLT-13144, PLT-13145, PLT-13612, PLT-13613
PLT-13148	Sabre Series	Adjustable U-Bracket – Bronze – for 150W PLT Sabre Series LED Area Lights	0-180°	PLT-13144
PLT-13149	Sabre Series	Adjustable U-Bracket – Bronze – for 300W PLT Sabre Series LED Area Lights	0-180°	PLT-13145
PLT-13627	Sabre Series	Adjustable U-Bracket – Bronze – for 150W PLT Sabre Series LED Area Lights	0-180°	PLT-13612, PLT-13613

SHIELDS

Item #	Family	Description	Compatible Fixture
PLT-13153	Sabre Series	Front Cutoff Shield	PLT-13144, PLT-13612, PLT-13613
PLT-13154	Sabre Series	Back Cutoff Shield	
PLT-13155	Sabre Series	Left Cutoff Shield	
PLT-13156	Sabre Series	Right Cutoff Shield	
PLT-13157	Sabre Series	Front Cutoff Shield	PLT-13145
PLT-13158	Sabre Series	Back Cutoff Shield	
PLT-13159	Sabre Series	Left Cutoff Shield	
PLT-13160	Sabre Series	Right Cutoff Shield	

PHOTOCELLS & SHORTING CAP

	Type	Sensor	ANSI	Rated Volts	Surge Protection	Turn-On Light Levels	Operating Temp	IP
Photocell for PLT-13612	Twist-Lock Electronic	IR Filter Phototransistor	ANSI C136.10 & UL773	120 to 277V	320 Joules	10-16Lux	-40°F to 158°C	IP65
Photocell for PLT-13613	Twist-Lock Electronic	IR Filter Phototransistor	ANSI C136.10 & UL773	277 to 480V	640 Joules	10-16Lux	-40°F to 158°C	IP65
Shorting Cap for PLT-13612 & PLT-13613	N/A	N/A	ANSI C136.10 & UL773	0 to 480V	N/A	N/A	-40°F to 158°C	IP65

FIXTURES DIMENSIONS

PLT-13144

Length: 19.5"
Height: 3.1"
Width: 10.6"
Weight: 9.01 lbs



PLT-13612 & PLT-13613

Depth: 2.6"
Height: 3.1"
Width: 10.6"
Weight: 10.87 lbs



PLT-13145

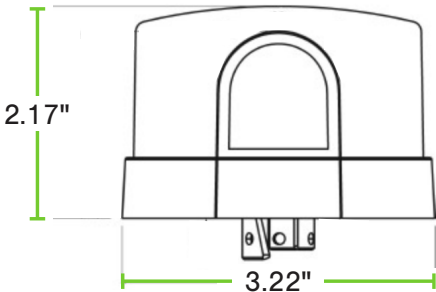
Length: 21.5"
Height: 3.1"
Width: 12.7"
Weight: 11.22 lbs



PHOTOCELLS DIMENSIONS

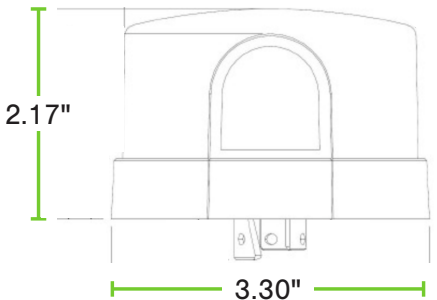
PLT-13612

Height: 2.17"
Diameter: 3.22"



PLT-13613

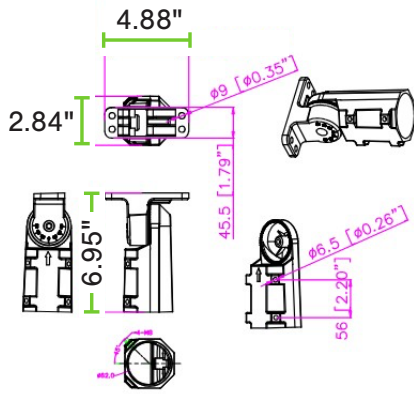
Height: 2.17"
Diameter: 3.30"



MOUNTS DIMENSIONS

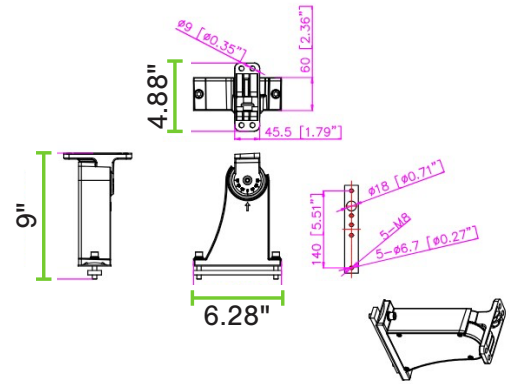
PLT-13146:

Length – 6.95"
Height – 4.88"
Width – 2.84"
Diameter – 2.44"
Weight – 1.44 lbs



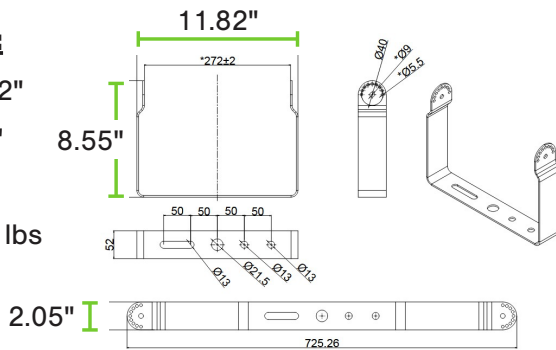
PLT-13147:

Length – 9"
Height – 6.28"
Width – 4.88"
Weight – 2.21 lbs



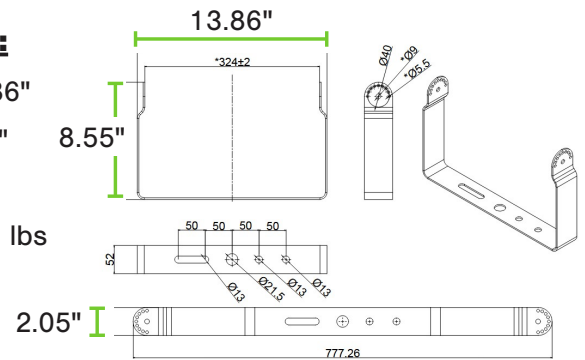
PLT-13148:

Length – 11.82"
Height – 2.05"
Width – 8.55"
Weight – 1.35 lbs



PLT-13149:

Length – 13.86"
Height – 2.05"
Width – 8.55"
Weight – 1.99 lbs



PLT-13627:

Length – 11.73"
Height – 1.77"
Width – 10.31"
Weight – 1.21 lbs

PLT-13153:

Length – 10.75"
Width – 5.95"
Height – 2.95"
Wight – 1.25 lbs

PLT-13154:

Length – 10.75"
Width – 5.95"
Height – 2.95"
Wight – 1.25 lbs

PLT-13155:

Length – 10.24"
Width – 5.56"
Height – 0.48"
Wight – 1.02 lbs

PLT-13156:

Length – 10.24"
Width – 5.56"
Height – 0.48"
Wight – 1.02 lbs

PLT-13157:

Length – 12.80"
Width – 6.74"
Height – 6.78"
Wight – 1.27 lbs

PLT-13158:

Length – 12.80"
Width – 6.74"
Height – 6.78"
Wight – 1.27 lbs

PLT-13159:

Length – 12.21"
Width – 6.78"
Height – 0.48"
Wight – 1.3 lbs

PLT-13160:

Length – 12.21"
Width – 6.78"
Height – 0.48"
Wight – 1.3 lbs