



Sabre Wattage Color & Beam Angle Selectable LED Area Lights

DESCRIPTION

Outlasting and outperforming traditional metal halide fixtures, these wattage and color selectable LED area lights with adjustable beam angles 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
- Integrated lenses allow you to select between Type III, Type IV, and Type V light distribution angles using a DIP switch located on the fixture
- 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
- Comes with photocell and shorting cap; see Photocells & Shorting Cap section for more information
- 0-10V dimming
- 3.9' whip
- Mounting accessories sold separately, see Mounting Accessories section for full list of compatible mounts
- Wattage and color temperature can be adjusted using the switches location on the driver of the fixture; see installation instructions for more information

LISTINGS

- UL Listed for wet locations
- IP65
- IK08
- DesignLights Consortium® 5.1 Premium - meets the requirements for the highest DLC qualification for efficacy and lumen maintenance

PERFORMANCE

- CRI: >80
- CCT: 3000K, 4000K, & 5000K
- LED L70 Life Hours: 100,000 hours
- Light Distribution: Type III/Type IV/Type V
- 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, 277-480V
- Dimmable power supply (0-10V)
- Surge Protection: 10kV

Project name	Type
Catalog number	
Comments	Voltage
Approved by	Date



INSTALLATION

- Designed to be mounted with select Sabre 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	DLC #	DLC Level
PLT-13612	Sabre Series	100/ 120/ 150	3000K/ 4000K/ 5000K	>80	0-10V	120-277V	MH400	Type III/ Type IV/ Type V	Photocell & Shorting Cap	B3-U0-G3/ B3-U0-G3/ B4-U0-G4	PLTSNIC111[1;2]1[1;2;blank] [1;2;3;4;5;6;blank][1;2;blank] [1;2;3;5;6]	5.1 Premium
PLT-13613	Sabre Series	100/ 120/ 150	3000K/ 4000K/ 5000K	>80	0-10V	277-480V	MH400	Type III/ Type IV/ Type V	Photocell & Shorting Cap	B3-U0-G3/ B3-U0-G3/ B4-U0-G4	PLTSNIC1211[1;2]1[1;2;blank] [1;2;3;4;5;6;blank][1;2;blank] [1;2;3;5;6]	5.1 Premium

* See Selectable Table for full breakdown

SELECTABLE TABLE

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	22,749	153		
		4000K	23,920	160		
		5000K	23,776	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-13612, PLT-13613
PLT-13147	Sabre Series	6 in. Aluminum Adjustable Arm – for Square Poles - Bronze	0-35°	PLT-13612, PLT-13613
PLT-13627	Sabre Series	Adjustable U-Bracket – Bronze – for 150W PLT Sabre Series LED Area Lights	0-180°	PLT-13612, PLT-13613

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-13612 & PLT-13613

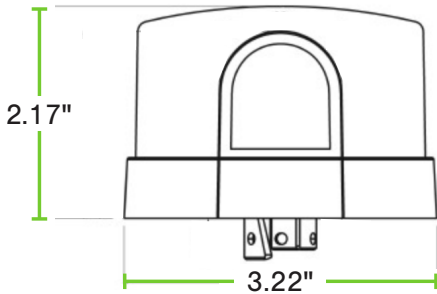
Depth: 2.6"
 Height: 3.1"
 Width: 10.6"
 Weight: 10.87 lbs



PHOTOCELLS DIMENSIONS

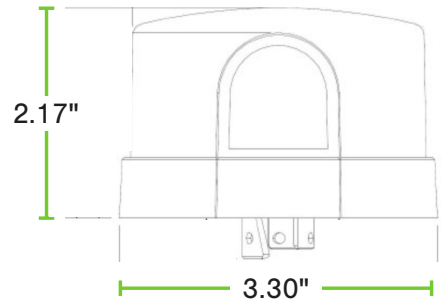
PLT-13612

Height: 2.17"
 Diameter: 3.22"



PLT-13613

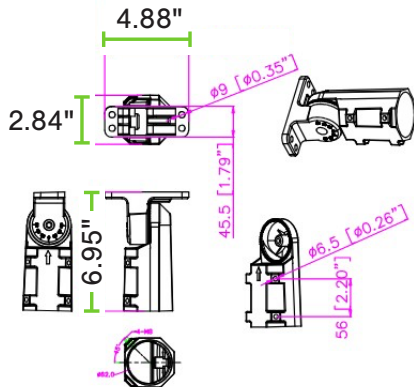
Height: 2.17"
 Diameter: 3.30"



MOUNTS DIMENSIONS

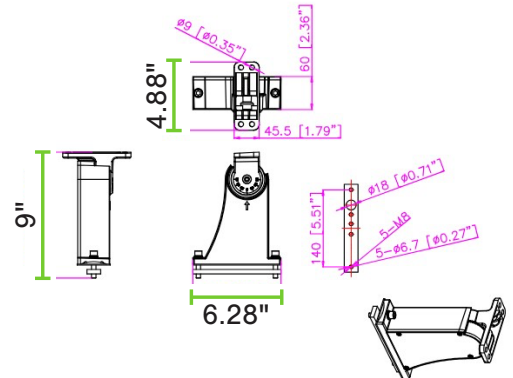
PLT-13146:

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-13627:

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