

V14 Area/Parking Lot Shoebox LED light

Date:..... Location:

Product:..... Project:.....

Quantity:..... Catalog#



FEATURES

- Multiple mounts Available. Easy install
- 277V-480V input voltage.
- Low profile housing with enhanced thermal heat sink.
- 6kV built-in plus 10kV external surge protection
- 50,000hrs Life time.

SUITABLE APPLICATIONS

- Warehouses
- Stadiums
- Factories
- Parking Lots
- Shopping Malls
- Supermarkets
- Logistic Centers
- Auto dealerships

CONSTRUCTION:

Heavydie-castaluminumalloy housing with bronze powder-coated finish.

OPTICAL SYSTEM:

High-brightnessLumiledsLEDchips, special PC lens with Type III light distribution.

WARRANTY:

5-yearlimitedwarranty. Actual performance may differ as a result of end-user environment and application.

ELECTRICAL:

277V-480Vinput.-20°C to 45°C,

INSTALLATION&MOUNTING:

WallMounting/PoleMountingwithDifferentMount bracket for easy installation.

CONTROLS&DIMMING

0-10Vdimmingcomesstandardandwattage tunable.

PERFORMANCE

Model NO	Wattage	BUG	Voltage/CurrentInput			Light Efficiency	Kelvin Options
			277V	480V			
AST-S-G12C-480WBT3SA1	400W	B5-U0-G5	1.44A	0.83A		140LM/W	5000
	450	B5-U0-G5	1.62A	0.93A		W	K
	W	B5-U0-	1.73A	1.0A	1.73A	140LM/W	5000
AST-S-G12C-480WBT3SH3	480	G5 B5-	1.0A			W	K
	W	U0-G5				140LM/W	5000
	480					W	K
	W					140LM/W	5000
						W	K

Electric Characteristic

Specification/Model	AST-S-G12C-480WBT3SA1			AST-S-G12C-480WBT3SH3
LED Driver	0-10V dimmable			
Input power	400W	450W	480W	480W
Lumens output	56000LM	63000LM	67200LM	67200LM
Efficiency	140LM/W	140LM/W	140LM/W	140LM/W
CRI	>80	>80	>80	>80
Color Temperature	5000K			5000K
Input voltage	120-277V/AC	120-277V/AC	120-277V/AC	277-480V/AC
Light distribution type	TYPE III	TYPE III	TYPE III	TYPE III
Working temperature	-20+45°C	-20+45°C	-20+45°C	-20+45°C
Junction temperature	<75°C	<75°C	<75°C	<75°C
lamps efficiency	≥ 90%	≥ 90%	≥ 90%	≥ 90%
Certificate	UL CU L DLC	UL CU L DLC	UL CU L DLC	UL CU L DLC
Equivalent	1000-2000W MH/HPS	1000-2000W MH/HPS	1000-2000W MH/HPS	1000-2000W MH/HPS

Optional Mount Bracket:



Default AM Slipfitter Mount



Optional DM Direct Mount



Optional YM Yoke Mount

OPTIONAL ACCESSORIES

Watt& Tunable

400W 450W 480W



Power

ElectricCharacteristic

PRODUCT ORDERING GUIDE

AST-S-G12C-480WBT3SA1

1 2 3 4 5
☒AST - ☒S-G12C - ☒480WBT3SA1 ☐

☒ AST

Company name

☒ S-G12C

Product series, LED Shoebox Light;

☒ 480W

Power

☒ T3

represents diffuser light angle

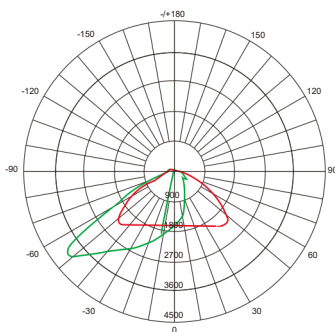
☒ A1

Input voltage 120 - 277 VAC Watt & Tunable

H3

Input voltage 277-480VAC

DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%): 122°

UNIT:CD

—C0/180,113.7

—C30/210,100.

—1

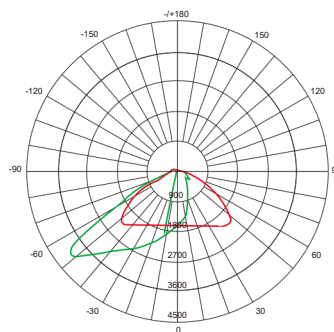
—C60/240,108.

6

—C90/270,130.

9

Lumens:56000LM
 Test Number:400W
 Test Number:5000K



AVERAGE BEAM ANGLE(50%): 122°

UNIT:CD

—C0/180,113.7

—C30/210,100.

—1

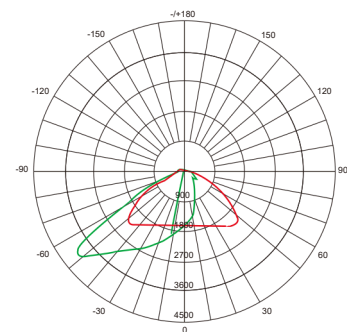
—C60/240,108.

6

—C90/270,130.

9

Lumens:63000LM
 Test Number:450W
 Test Number:5000K



AVERAGE BEAM ANGLE(50%): 122°

UNIT:CD

—C0/180,113.7

—C30/210,100.

—1

—C60/240,108.

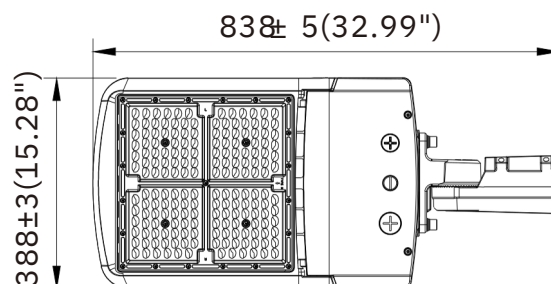
6

—C90/270,130.

9

Lumens:67200LM
 Test Number:480W
 Test Number:5000K

DIMENSION



► Installation

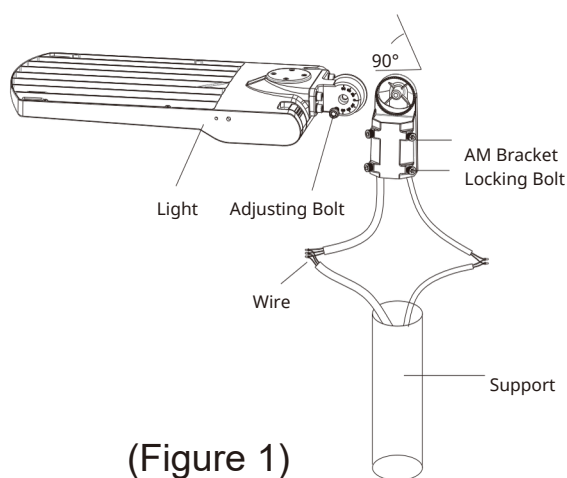
1.Default ADJUSTABLE FITTER MOUNTING (e=AM)

Step 1: Connect the wire correctly and put the wires into pole. Then fasten the locking bolts between slip fitter and the pole.(Figure 1)

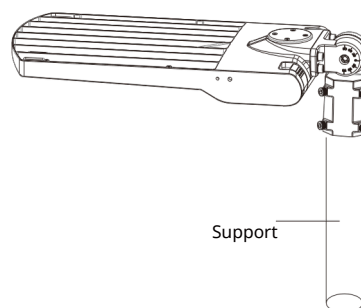
Step 2: Loosen the fixing bolts and adjusting bolts, align the fixture to required angle.

Tighten adjusting bolt and fixing bolts after the angle is confirmed.(Figure 2)

Notice: Adjustable angle is 0~+/-90°(Figure 1)



(Figure 1)



(Figure 2)

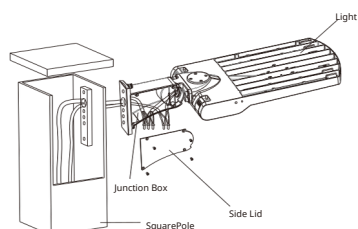
2.DIRECT MOUNTING (e=DM)

Step 1: Fix the DM bracket to the square pole with bolt, open the side lid of DM bracket, pull the wire into junction box, and connect the wires correctly (Figure 3)

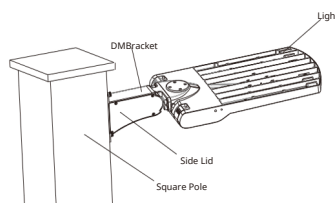
Step 2: Put the connected wires into the junction box, then cover the junction box (Figure 4)

Notice: Adjustable angle range is 0-35°(Figure 3)

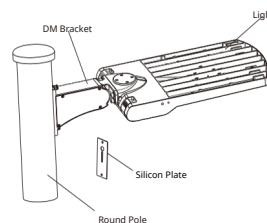
Same as round pole installation, please remember to remove the silicon plate when install the fixture in round pole (Figure 5)



(Figure 3)



(Figure 4)



(Figure 5)

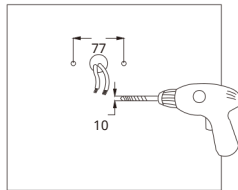
3.YOKE MOUNTING(e=YM)

Step 1: Drill holes on the wall as shown in(Figure 6)

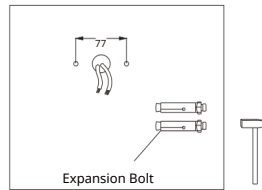
Step 2: Knock the expansion bolts into the wall.(Figure 7)

Step 3: Connect the fixture to the bracket and tighten the screws; connect the wires properly and put them into junction box.(Figure 8)

Notice: Adjustable angle is 0-90°(Figure 8)



(Figure 6)



(Figure 7)

