V14 480W LED Shoebox Light

Date:..... Location: .....

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

Quantity:..... Catalog# .....



FEATURES

- 3 Watts 400/450/480W tunable, Multiple mounts Available.
- 100-277v or 277V-480V input voltage.
- Low profile housing with enhanced thermal heat sink.
- 6kV built-in plus 10kV external surge protection
- 50,000 hrs life time, DLC LISTED.

SUITABLE APPLICATIONS

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

CONSTRUCTION:

Heavy die-cast aluminum alloy housing with bronze powder-coated finish.

ELECTRICAL:

100-277v or 277V – 480V input. Operating temperature: -20°C to 45°C.

OPTICAL SYSTEM:

High-brightness Lumileds LED chips, special PC lens with Type III light distribution.

INSTALLATION & MOUNTING:

Adjustable slip filter, direct mount, or yoke mounts available for easy installation

WARRANTY:

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

CONTROLS & DIMMING

Photocell optional. 0-10V dimming

PERFORMANCE

Model NO	Wattage	BEAM ANGLE	Voltage/CurrentInput		Light Efficiency	Kelvin Options
			277V	480V		
AST-S-G12C-480WBT3SA1	400/450/480W	T3	1.44/1.62/1.73A		140LM/W	5000K
AST-S-G12C-480WBT3SH3	480W	T3	277V @1.73A	480V @1.0A	140LM/W	5000K

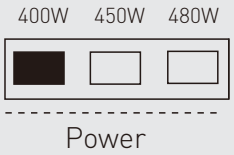
LED SION LIGHTING

Electric Characteristic

Specification/Model	AST-S-G12C-480WBT3SA1	AST-S-G12C-480WBT3SH3
Dimming	0-10V dimmable	0-10V dimmable
Input power	400/450/480W	480W
Lumens output	56000/63000/67200LM	67200LM
Efficiency	140LM/W	140LM/W
CRI	＞80	＞80
Color Temperature	5000K	5000K
Input voltage	100-277VAC	277-480V/AC
Light distribution type	TYPE III	TYPE III
Working temperature	-20+45℃	-20+45℃
Junction temperature	＜75℃	＜75℃
lamps efficiency	≥90%	≥90%
Certificate	UL CUL DLC	UL CUL DLC
Equivalent	1000-2000W MH/HPS	1000-2000W MH/HPS

OPTIONAL ACCESSORIES

Watt& Tunable



Optional Mount Bracket:




Default AM Slip fitter Mount


Optional DM Direct Mount


Optional YM Yoke Mount

PRODUCT ORDERING GUIDE

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

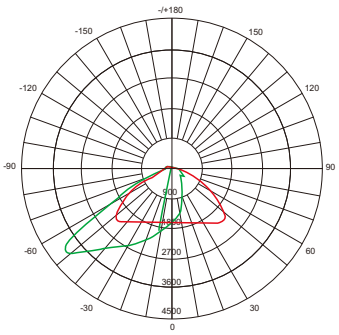
AST - S-G12C - 480W B T3 S A1

☑ AST Company name

☑ S-G12C Product series, LED Shoebox Light; ☑ 480W Power ☑ T3 represents light angle

☑ A1 Input voltage 277-480V/AC Watt& Tunable H3 Input voltage 277-480V/AC

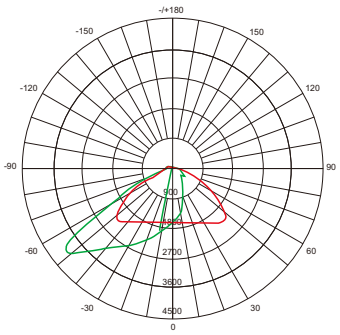
DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%): 122°

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

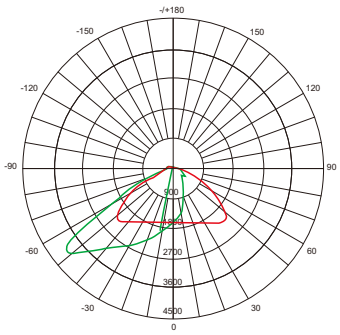
UNIT:CD
C0/180,113.7
C30/210,100.1
C60/240,108.6
C90/270,130.9



AVERAGE BEAM ANGLE(50%): 122°

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

UNIT:CD
C0/180,113.7
C30/210,100.1
C60/240,108.6
C90/270,130.9

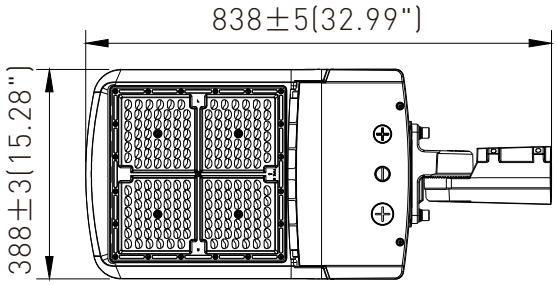


AVERAGE BEAM ANGLE(50%): 122°

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

UNIT:CD
C0/180,113.7
C30/210,100.1
C60/240,108.6
C90/270,130.9

DIMENSION

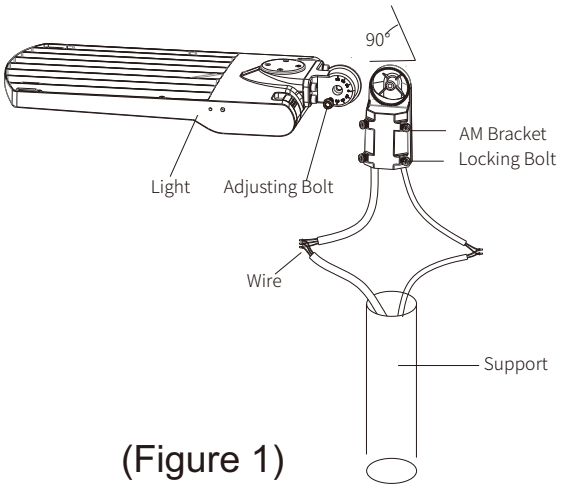


Installation

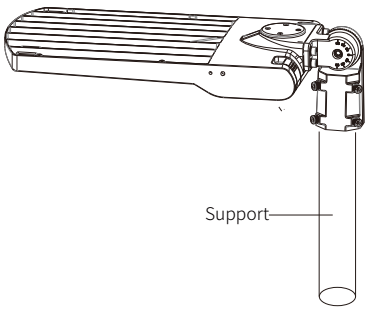
1.Default ADJUSTABLE FITTER MOUNTING (e=AM)

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)

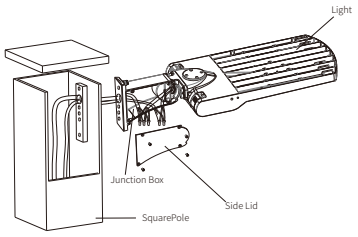
2.DIRECT MOUNTING [e=DM]

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)

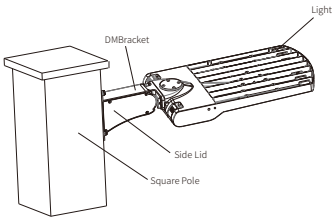
Step 2: Place the connected wires inside the junction box, then reinstall the junction box cover. (Figure 4)

Notice:Adjustable angle range: 0° to 35° (Figure 3).

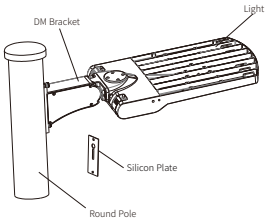
Same as round pole installation, please remember to remove the silicon plate when install the fixture in round pole (Figure 5)



(Figure 3)



(Figure 4)



(Figure 5)

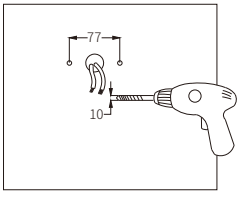
3.YOKE MOUNTING(e=YM)

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

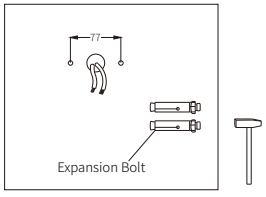
Step 2: Knock the expansion bolts into the wall.(Figure 7)

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

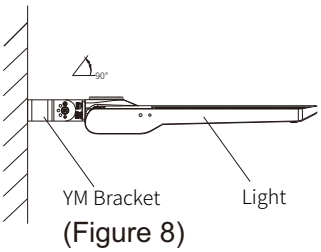
Notice: Adjustable angle is 0-90°(Figure 8)



(Figure 6)



(Figure 7)



(Figure 8)