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

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

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

V12 Shoebox CCT with EZ-Swap Lense Design

EZ-change Lens TYPE 3/4/5 options

FEATURES

- Watts CCT tunable with EZ swap lense design.
- 100-277V or 480V input voltage available.
- 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:

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

ELECTRICAL:

Available as 120-277V or 480V input. -20°C to 45°C,

OPTICAL SYSTEM:

High brightness lumileds LED chips.
Special PC lens with TYPE III and TYPE V distribution

INSTALLATION&MOUNTING:

Wall Mounting/Pole Mounting/Trunion mount bracket for easy installation.

WARRANTY:

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

CONTROLS&DIMMING

0-10V dimming comes standard and Watt&CCT tunable.

PERFORMANCE

Model NO	Wattage	BUG	Voltage/CurrentInput		Light Efficiency	Kelvin Options
			120V	277V		
AST-S-G20-150WXYDA1	80W	B3-U0-G3	0.66A	0.28A	150LM/W	3000K/4000K/5000K
	100W	B3-U0-G3	0.83A	0.36A	150LM/W	3000K/4000K/5000K
	150W	B3-U0-G3	1.25A	0.54A	150LM/W	3000K/4000K/5000K
AST-S-G20-300WXYDA1	200W	B4-U0-G3	1.66A	0.72A	150LM/W	3000K/4000K/5000K
	240W	B4-U0-G4	2.00A	0.72A	150LM/W	3000K/4000K/5000K
	300W	B4-U0-G4	2.50A	1.08A	150LM/W	3000K/4000K/5000K

V12 Shoebox CCT with EZ-Swap Lense Design

Model NO	Wattage	BUG	Voltage/CurrentInput		Light Efficiency	Kelvin Options
			277V	480V		
AST-S-G20-150WXYDH1	80W	B3-U0-G3	0.28A	0.16A	150LM/W	3000K/4000K/5000K
	100W	B3-U0-G3	0.36A	0.21A	150LM/W	3000K/4000K/5000K
	150W	B3-U0-G3	0.54A	0.31A	150LM/W	3000K/4000K/5000K
AST-S-G20-300WXYDH1	200W	B4-U0-G3	0.72A	0.42A	150LM/W	3000K/4000K/5000K
	240W	B4-U0-G4	0.72A	0.50A	150LM/W	3000K/4000K/5000K
	300W	B4-U0-G4	1.08A	0.63A	150LM/W	3000K/4000K/5000K

Electric Characteristic

Specification/Model	AST-S-G20-150WXYDA1			AST-S-G20-300WXYDA1		
LED Driver	SOSEN 0-10V dimmable			SOSEN 0-10V dimmable		
Input power	80W	100W	150W	200W	240W	300W
Lumens output	12000LM	15000LM	22500LM	30000LM	36000LM	45000LM
Efficiency	150LM/W	150LM/W	150LM/W	150LM/W	150LM/W	150LM/W
CRI	＞80	＞80	＞80	＞80	＞80	＞80
Color Temperature	3000K/4000K/5000K			3000K/4000K/5000K		
Input voltage	120-277V/AC	120-277V/AC	120-277V/AC	120-277V/AC	120-277V/AC	120-277V/AC
Light distribution type	TYPE III or TYPE V	TYPE III or TYPE V	TYPE III or TYPE V	TYPE III or TYPE V	TYPE III or TYPE V	TYPE III or TYPE V
Working temperature	-20+45℃	-20+45℃	-20+45℃	-20+45℃	-20+45℃	-20+45℃
Junction temperature	＜75℃	＜75℃	＜75℃	＜75℃	＜75℃	＜75℃
lamps efficiency	⩾90%	⩾90%	⩾90%	⩾90%	⩾90%	⩾90%
Certificate	UL CUL DLC	UL CUL DLC	UL CUL DLC	UL CUL DLC	UL CUL DLC	UL CUL DLC
Equivalent	200-300W MH/HPS	200-300W MH/HPS	300-450W MH/HPS	450-600W MH/HPS	600-800W MH/HPS	800-1000W MH/HPS

Specification/Model	AST-S-G20-150WXYDH1			AST-S-G20-300WXYDH1		
LED Driver	Fahold 0-10V dimmable			Fahold 0-10V dimmable		
Input power	80W	100W	150W	200W	240W	300W
Lumens output	12000LM	15000LM	22500LM	30000LM	36000LM	45000LM
Efficiency	150LM/W	150LM/W	150LM/W	150LM/W	150LM/W	150LM/W
CRI	＞80	＞80	＞80	＞80	＞80	＞80
Color Temperature	3000K/4000K/5000K			3000K/4000K/5000K		
Input voltage	277-480V/AC	277-480V/AC	277-480V/AC	277-480V/AC	277-480V/AC	277-480V/AC
Light distribution type	TYPE III or TYPE V	TYPE III or TYPE V	TYPE III or TYPE V	TYPE III or TYPE V	TYPE III or TYPE V	TYPE III or TYPE V
Working temperature	-20+45℃	-20+45℃	-20+45℃	-20+45℃	-20+45℃	-20+45℃
Junction temperature	＜75℃	＜75℃	＜75℃	＜75℃	＜75℃	＜75℃
lamps efficiency	⩾90%	⩾90%	⩾90%	⩾90%	⩾90%	⩾90%
Certificate	UL CUL DLC	UL CUL DLC	UL CUL DLC	UL CUL DLC	UL CUL DLC	UL CUL DLC
Equivalent	150-250W MH/HPS	250-300W MH/HPS	300-450W MH/HPS	450-600W MH/HPS	600-800W MH/HPS	800-1000W MH/HPS

V12 Shoebox CCT with EZ-Swap Lense Design

Optional Mount Bracket:

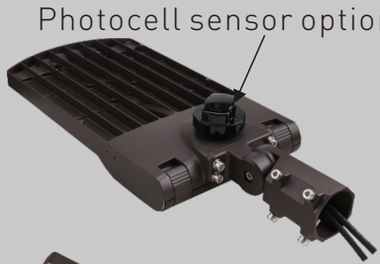
AM Slipfitter Mount

DM Direct Mount

YM Yoke Mount

Optional Functions:

Photocell sensor options



Occupancy sensor/Lens TYPE options
Watt & CCT Tunable

ElectricChar acteristic

OPTIONAL ACCESSORIES

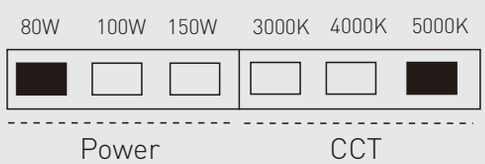
PRODUCT ORDERING GUIDE

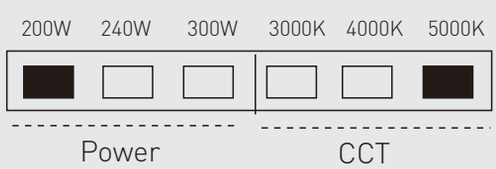
AST-S-G20-80WXYDA1
1 2 3 456 7

AST - S-G20 80W X Y D A1

☑ AST	LEDSION Company
☑ S-G20	Product series, LED Shoebox Light;
☑ 80W Power	☑ Y represents diffuser light angle
☑ D	Color Tunable
☑ A1	Inputvoltage 120-277V/AC
☑ H1	Inputvoltage 277-480V/AC

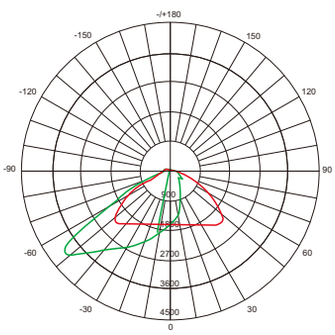
Watt&CCT Tunable





DISTRIBUTION DIAGRAM

AST-S-G20-80WXYDA1

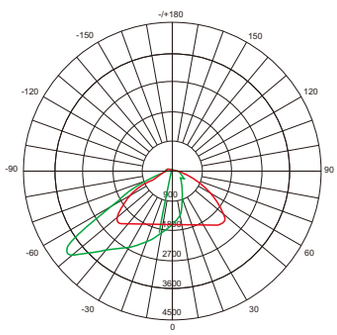


AVERAGE BEAM ANGLE(50%): 122°

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

Lumens:12000LM
Test Number:80W
Test Number:5000K

AST-S-G20-100WXYDA1

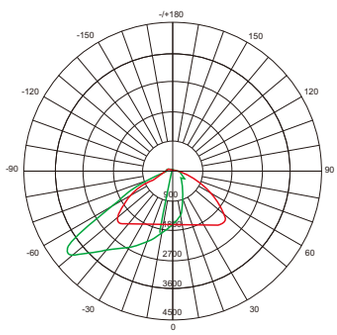


AVERAGE BEAM ANGLE(50%): 122°

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

Lumens:15000LM
Test Number:100W
Test Number:5000K

AST-S-G20-150WXYDA1

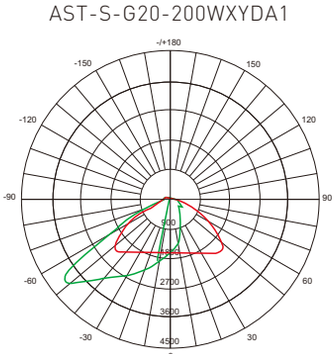


AVERAGE BEAM ANGLE(50%): 122°

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

Lumens:22500LM
Test Number:150W
Test Number:5000K

AST-S-G20-200WXYDA1

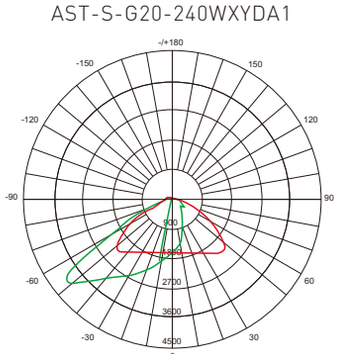


AVERAGE BEAM ANGLE(50%): 122°

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

Lumens:30000LM
Test Number:200W
Test Number:5000K

AST-S-G20-240WXYDA1

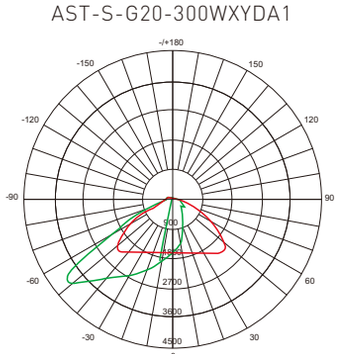


AVERAGE BEAM ANGLE(50%): 122°

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

Lumens:36000LM
Test Number:240W
Test Number:5000K

AST-S-G20-300WXYDA1



AVERAGE BEAM ANGLE(50%): 122°

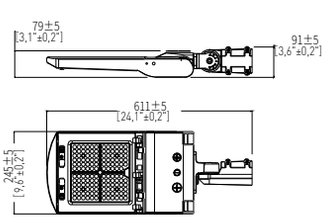
UNIT:CD
C0/180,113.7
C30/210,100.1
C60/240,108.6
C90/270,130.9

Lumens:45000LM
Test Number:300W
Test Number:5000K

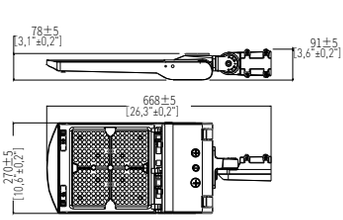
DIMENSION

AM

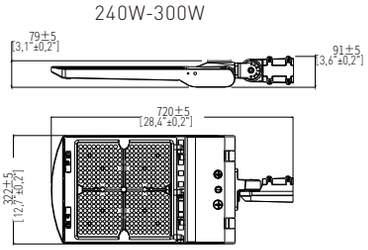
80W-100W



150W-200W

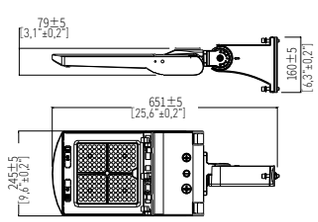


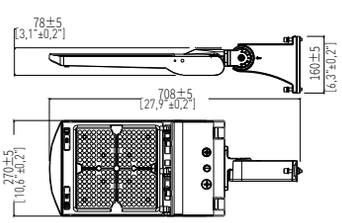
240W-300W

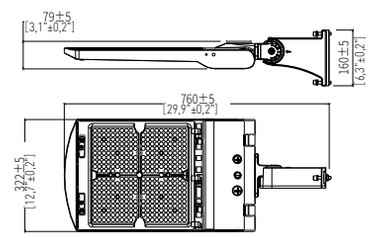


80W-100W | 150W-200W | 240W-300W

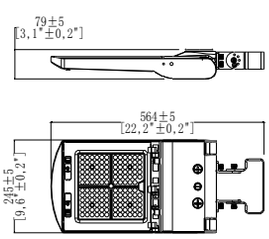
DM

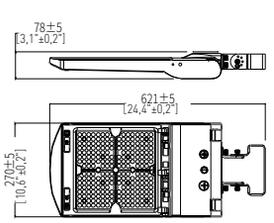


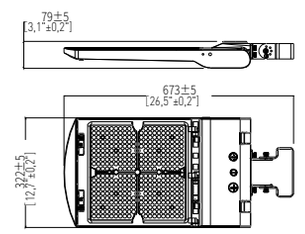




YM







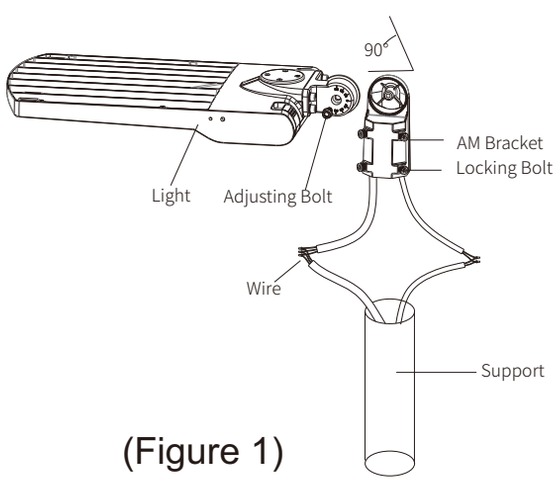
Installation

1.ADJUSTABLE FITTER MOUNTING (e=AM)

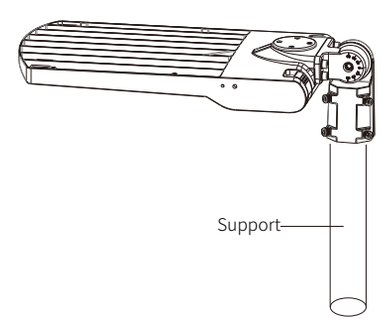
Step 1: Connect the wire correctly and put the wires into pole. Then fasten the locking bolts between slip fitter and the pole.(Figure 1)

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)

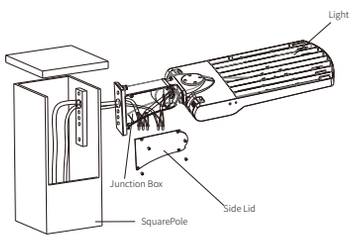
2.DIRECT MOUNTING (e=DM)

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)

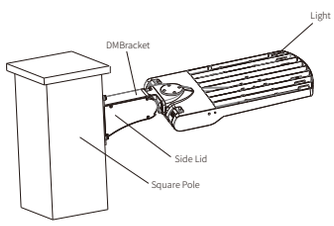
Step 2: Put the connected wires into the junction box, then cover the junction box (Figure 4)

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

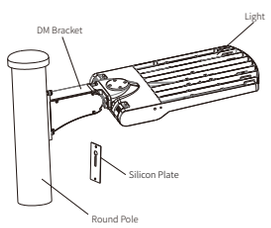
Same as round pole installation, please remember to remove the silicon plate when install the fixture in round pole (Figure 5)



(Figure 3)



(Figure 4)



(Figure 5)

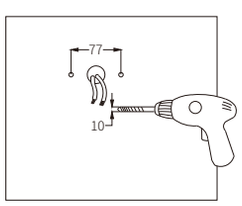
3.YOKE MOUNTING(e=YM)

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

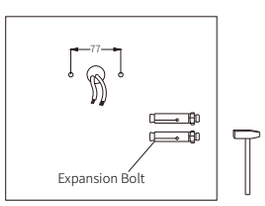
Step 2: Knock the expansion bolts into the wall.(Figure 7)

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

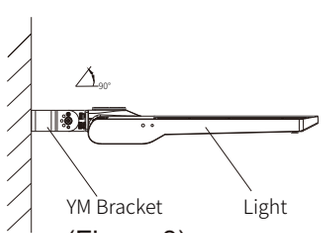
Notice: Adjustable angle is 0-90°(Figure 8)



(Figure 6)



(Figure 7)



(Figure 8)