info@averlite.com
www.averlite.com

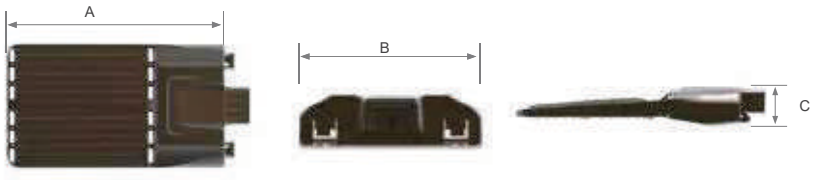
PRODUCT DESCRIPTION



The Averlite LED Shoebox combines the duo of architectural form and versatility to make it an excellent choice for new construction or for retrofit applications. It is offered in a variety of wattages allowing for maximum flexibility in all types of applications. The high output LEDs and custom engineered optics provide excellent uniformity and efficiency, meeting DLC qualifications. It is designed to replace the existing HID fixtures up to 1000 W.

Unit	Width	Length	Weight
KSF MNT 100w	12.2"	21.8"	11.6 lbs
UARM MNT 100w	12.2"	19.8"	11.6 lbs
AUB MNT 100w	12.2"	19.3"	11.6 lbs
KSF MNT 150w	12.2"	21.8"	11.6 lbs
UARM MNT 150w	12.2"	18.7"	11.6 lbs
AUB MNT 150w	12.2"	19.3"	11.6 lbs
KSF MNT 185w	12.2"	21.95"	11.6 lbs
UARM MNT 185w	12.2"	18.7"	11.6 lbs
AUB MNT 185w	12.2"	19.3"	11.6 lbs
KSF MNT 300w	12.2"	30.1"	13.0 lbs
UARM MNT 300w	12.2"	27.4"	13.0 lbs
AUB MNT 300w	12.2"	27.7"	13.0 lbs
KSF MNT 400w	13.2"	35.8"	16.7 lbs
UARM MNT 400w	13.2"	33.8"	16.7 lbs
AUB MNT 400w	13.2"	33.3"	16.7 lbs
KSF MNT 500w	13.2"	35.8"	16.7 lbs
UARM MNT 500w	13.2"	33.8"	16.7 lbs
AUB MNT 500w	13.2"	33.3"	16.7 lbs

PHYSICAL PARAMETERS



PRODUCT FEATURES

- High-voltage options available
- In-built surge protection mechanism (4KV).
- Superior thermal dissipation from an integrated heat sink.
- Dimming option available, mode - Voltage (1~10V DC), PWM signal (10V).
- Inputs voltage range : 100 -277 V, 50-60Hz.
- Various optics option available.
- Made from prime grade aluminum alloy.



AVERLITE

ORDERING INFORMATION

SERIES CODE

Model Number	Wattage	CCT Optional	CRI	Efficacy	Lens Type
AV-SB-01-D-100-507-L-3	100 W	2700 K - 5700 K	70+	150 lm/W	POLYCARBONATE TYPE 2, 3, 4, 5
AV-SB-01-D-150-507-L-3	150 W	2700 K - 5700 K	70+	150 lm/W	
AV-SB-01-D-185-507-L-3	185 W	2700 K - 5700 K	70+	145 lm/W	
AV-SB-02-D-200-507-L-3	200 W	2700 K - 5700 K	70+	150 lm/W	
AV-SB-02-D-240-507-L-3	240 W	2700 K - 5700 K	70+	150 lm/W	
AV-SB-02-D-300-507-L-3	300 W	2700 K - 5700 K	70+	150 lm/W	

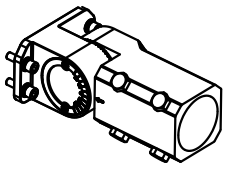
FIXTURE DETAILS

Efficacy	150 lm/W		145 lm/W	150 lm/W		
Wattage	100 W	150 W	185 W	200 W	240 W	300 W
Lumen Output	15000 lm	22500 lm	26825 lm	30000 lm	36000 lm	45000 lm
Heat Sink Type	High Pressure Die Cast					
LED Brand and Package	Bridgelux 3030 Package 1W					
Number of LEDs	176	232	232	352	352	464
Typical LED Lumens	152 lm					
Operating Temperature	-40° F to +131° F					
IP Rating	IP66					
Power Factor	>0.95					
Driver Wattage	100 W	150 W	185 W	200 W	240 W	300 W
Driver Current to LED	2 A	2..8 A	3.4 A	4 A	4.5 A	6 A
Optics Material	Polycarbonate					
Optics Dimensions	279 mm x 150 mm x 9.5 mm					
PCB Thickness	1.2 mm					

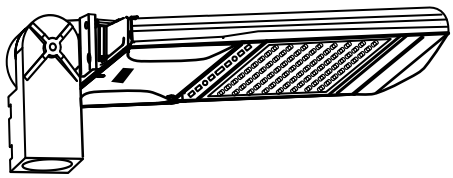
MOUNTING OPTIONS

A. SLIP FITTER POLE MOUNT

1

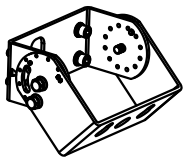


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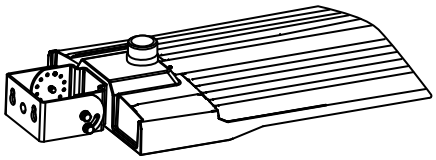


B. TRUNNION POLE MOUNT

1

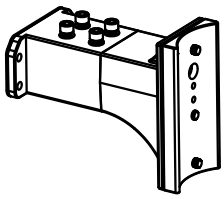


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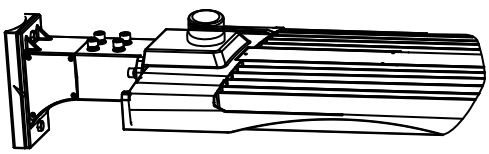


C. SQUARE & ROUND POLE MOUNT

1



2

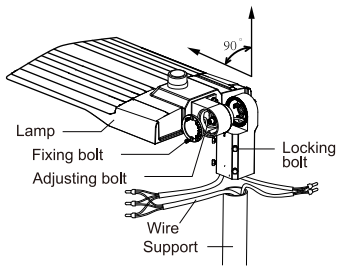


INSTALLATION

A. SLIP FITTER POLE MOUNT

1. Loosen the 4 locking bolts on the slip fitter, connect the wire correctly and put the wire into pole. Then fasten the locking bolts between slip fitter and the pole. (Figure 1)
2. Loosen the fixing bolts and adjusting bolts, align the fixture to required angle. Tightn adjusting bolt and fixing bolts after the angle is confirmed. (Figure 1)

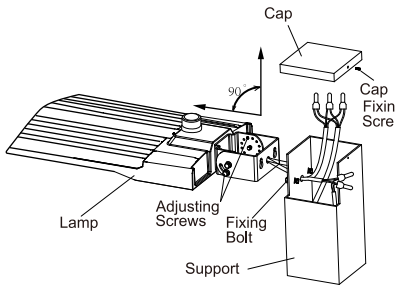
Figure 1



B. TRUNNION POLE MOUNT

1. Loosen cap fixing screw and take cap off. Loosen fixing bolt, fixed the fixture on the support and tighten fixing bolts. (Figure 2)
2. Let the AC wire go through support hole and connected correctly. Close cap and tighten cap fixing screw after AC cable is well placed in the support. (Figure 2)
3. Loosen adjusting screws, align the fixture to required angle and fasten the screws. (Figure 2)

Figure 2



C. HOOK MOUNT

1. Take off the top bolt on IM bracket. Open side lid on the back part after take IM bracket apart into the front part and the back part. Let the power cable go through the front part of the IM bracket. Fix the front part to the end of lamp body with bolt. Let the pole cable go through the back part of the IM bracket, Fix the back part of the IM bracket to the pole with bolt. (Figure 3)
2. Let the power cable in the front part of the IM bracket go through the back part. Sheath the front part to the back part and fix them with top bolt. Connect the power cable with back part, Close the side lid and tighten it, (Figure 4) then finish installation
3. Notice Round pole should be with adapting plate. (Figure 5)

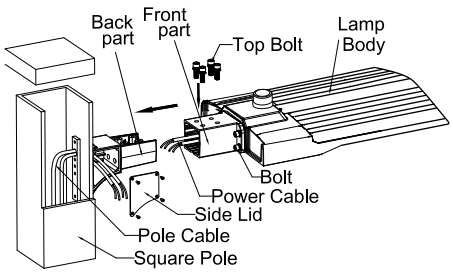


Figure 3

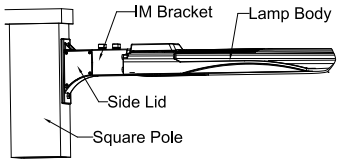


Figure 4

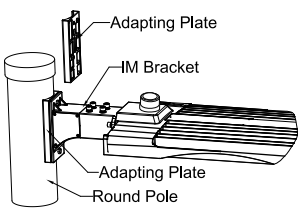
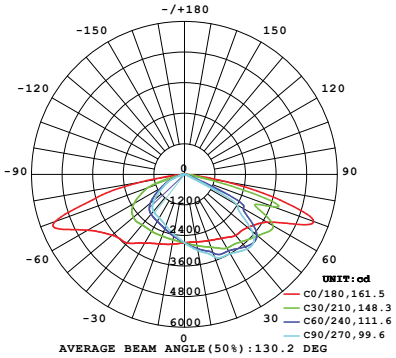


Figure 5

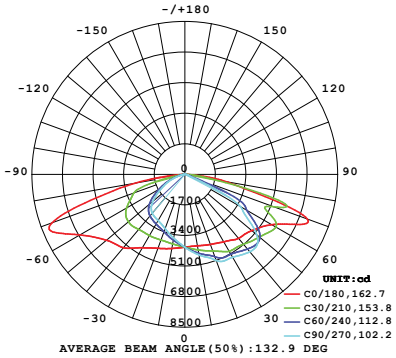
OPTOMETRIC DATA

100 W



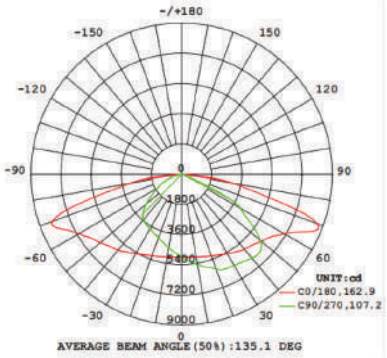
AVERAGE BEAM ANGLE(50%):130.2 DEG

150 W



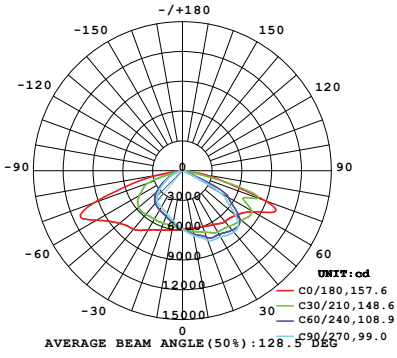
AVERAGE BEAM ANGLE(50%):132.9 DEG

185 W



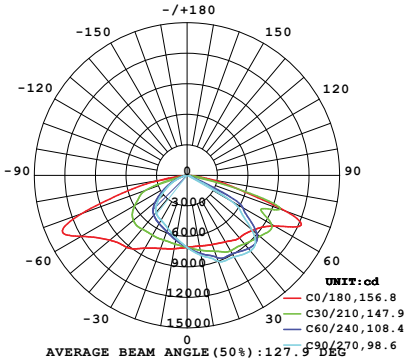
AVERAGE BEAM ANGLE(50%):135.1 DEG

200 W



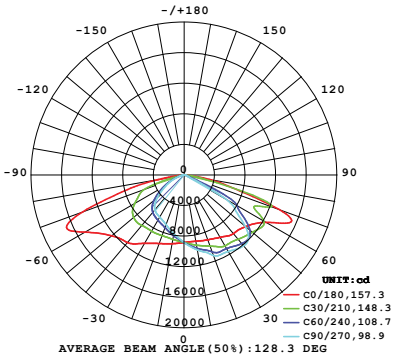
AVERAGE BEAM ANGLE(50%):128.5 DEG

240 W



AVERAGE BEAM ANGLE(50%):127.9 DEG

300 W



AVERAGE BEAM ANGLE(50%):128.3 DEG

ACCESSORIES

SP10 / SP10-480



10kV Surge Protector
Offers protection against voltage spikes
to reduce the chances of fixture damage.

SP20 / SP20-480



20kV Surge Protector
Offers protection against voltage spikes
to reduce the chances of fixture damage.