Date:_____ Location: _____

Product:_____Project:_____

Quantity:_____Catalog#_____

Area/Parking Lot Shoebox LED light

FEATURES

- Equipped with an adjustable slip filter; direct mounts and trunion mounts are available as optional installation options
- Flexible input voltage compatibility: 100–277V or 480V selectable
- Low-profile housing integrated with an enhanced thermal heat sink for superior heat dissipation
- Dual surge protection: 6kV built-in protection plus 10kV external surge resistance
- Extra-long service life with a rated lifespan of 50,000 hours

SUITABLE APPLICATIONS

- Industrial & Storage Spaces: Warehouses, Factories, Logistic Centers
- Commercial & Retail Areas: Shopping Malls, Supermarkets, Auto Dealerships
- Outdoor & Public Venues: Stadiums, Parking Lots

CONSTRUCTION:

Heavy-duty die-cast aluminum alloy housing finished with a bronze powder coating; optional housing colors include bronze, grey, and black.

OPTICAL SYSTEM

High-brightness Lumileds LED chips for exceptional luminous performance

Special PC lens featuring both Type III and Type V light distribution patterns

WARRANTY

5-year limited warranty for reliable product performance

Note: Actual performance may vary depending on the end-user's operating environment and application conditions

ELECTRICAL SPECIFICATIONS

Input Voltage: 120–277V or 480V selectable

Operating Temperature Range: -20℃ to 45℃

INSTALLATION & MOUNTING

Versatile mounting options available: adjustable slip filter, direct mount, and trunnion mount brackets for effortless installation

CONTROLS & DIMMING

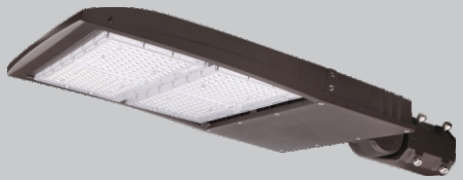
0–10V dimming is included as standard

PERFORM ANCE

Model NO	Wattage	BUG	Voltage/Current Input			Light Efficiency	Kelvin Options
			120V	277V	480V		
LS-ESBV7E150WAT3A1	80W	B3-U0-G3	0.66A	0.28A	0.02A	140LM/W	5000K
	100W	B3-U0-G3	0.83A	0.36A	0.21A	140LM/W	5000K
	150W	B3-U0-G3	1.25A	0.54A	0.31A	140LM/W	5000K
LS-ESBV7E300WAT3A1	200W	B4-U0-G4	1.66A	0.72A	0.42A	140LM/W	5000K
	240W	B4-U0-G4	2.0A	0.86A	0.50A	140LM/W	5000K
	300W	B4-U0-G4	2.5A	1.08A	0.62A	140LM/W	5000K

Area/Parking Lot Shoebox LED light

Optional Mount Bracket:



Adjustable Slipfitter (AM) : A clearance-fit mounting component that enables easy assembly and angle adjustment without excessive force. It allows smooth sliding installation on compatible tenons and secure fixation via set screws, with adjustable aiming angles to meet diverse lighting needs.

AM Adjustable Slipfitter

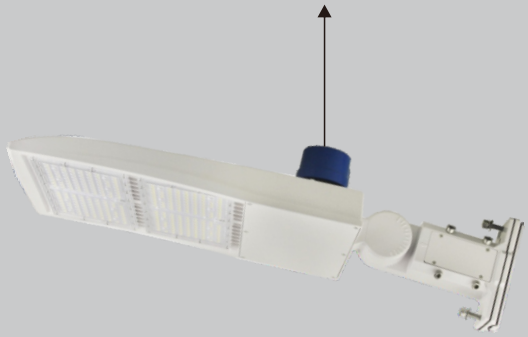
DM Direct Mount

YM Yoke Mount

Optional Functions:

Optional occupancy sensor for auto-on/off functionality based on human presence

Optional photocell sensor for automatic on/off control according to ambient light intensity



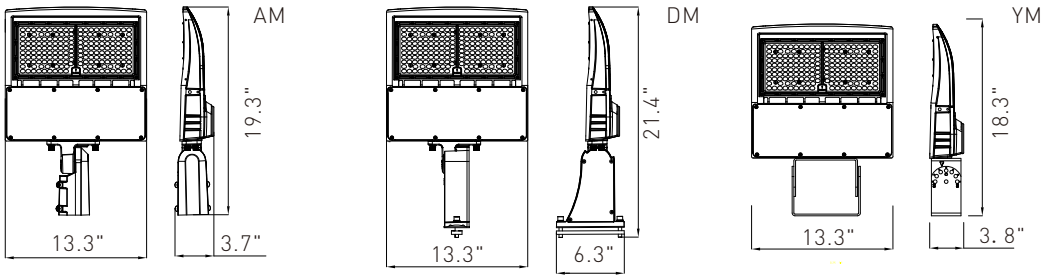
Electric Characteristic

Specification/Model	LS-ESBV7E150WAT3A1			LS-ESBV7E300WAT3A1		
LED Driver	UL listed LED DRIVER 0-10V Dimmable					
Input power	80W	100W	150W	200W	240W	300W
Lumens output	11200LM	14000LM	21000LM	28000LM	33600LM	42000LM
Efficiency	140LM/W	140LM/W	140LM/W	140LM/W	140LM/W	140LM/W
CRI	>72	>72	>72	>72	>72	>72
Color Temperature	5000K	5000K	5000K	5000K	5000K	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	ULC UL DLC	UL CUL DLC	ULC UL DLC	ULC UL DLC	ULC UL DLC	ULC UL DLC
Equivalent	160-240WMH/HPS	200-300W MH/HPS	300-450WMH/HPS	400-600WMH/HPS	480-720WMH/HPS	600-1000WMH/HPS

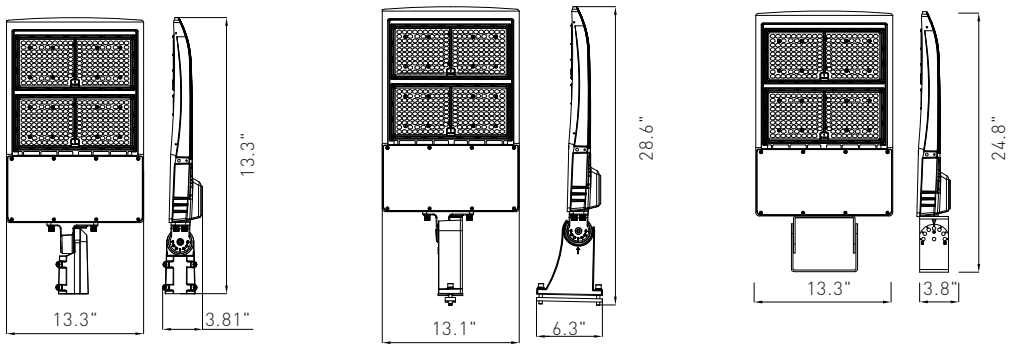
Electric Characterist

Specification/Model	LS-ESBV7150WCT3H1	LS-ESBV7300WCT3H1
LED Driver	UL listed LED DRIVER 0-10V dimmable	
Input power	80/100/150W	200/240/300W
Lumens output	11200/14000/21000LM	28000/33600/42000LM
Efficiency	140LM/W	140LM/W
CRI	＞72	＞72
Color Temperature	5000K	5000K
Input voltage	277-480V/AC	277-480V/AC
Light distributiontype	TYPE III or TYPE V	TYPE III or TYPE V
Working temperature	-20+45℃	-20+45℃
Junction temperature	＜75℃	＜75℃
lamps efficiency	⩾90%	⩾90%
Certificate	ULC UL DLC	UL CUL DLC
Equivalent	160–450WMH/HP S	480-1000WMH/HPS

DIMENSION

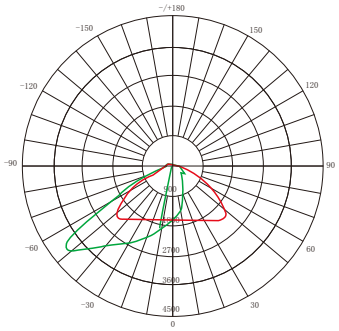


80W/100W/150W



200W/240W/300W

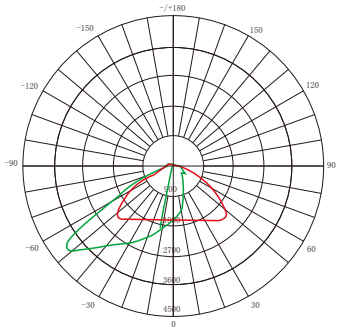
DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%): 122°

Lumens:14000LM
Test Number: 80W
Test Number:5000K

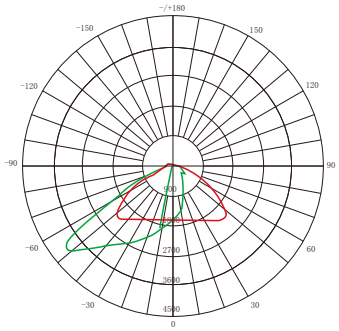
UNIT:CD
- C0/180,113.7
- C30/210,100.1
- C60/240,108.6
- C90/270,130.9



AVERAGE BEAM ANGLE(50%): 122°

Test Number:
Lumens: 14000LM
Test Number:100W
Test Number:5000K

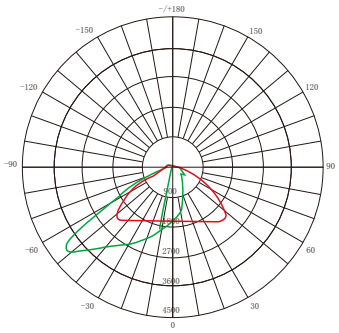
UNIT:CD
- C0/180,113.7
- C30/210,100.1
- C60/240,108.6
- C90/270,130.9



AVERAGE BEAM ANGLE(50%): 122°

Lumens:21000LM
Test Number: 150W
Test Number:5000K

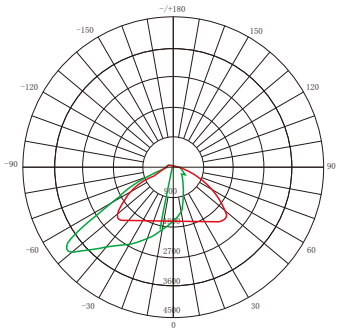
UNIT:CD
- C0/180,113.7
- C30/210,100.1
- C60/240,108.6
- C90/270,130.9



AVERAGE BEAM ANGLE(50%): 122°

Lumens: 28000LM
Test Number:200W
Test Number:5000K

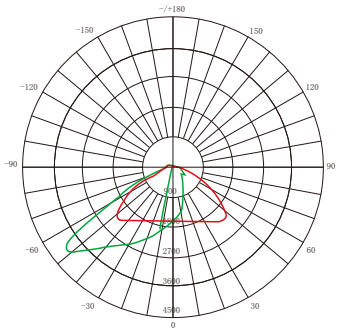
UNIT:CD
- C0/180,113.7
- C30/210,100.1
- C60/240,108.6
- C90/270,130.9



AVERAGE BEAM ANGLE(50%): 122°

Lumens: 33600LM
Test Number: 240W
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: 42000LM
Test Number:300W
Test Number:5000K

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

Installati

1.ADJUSTABLE FITTER MoUNTING (AM)

Step 1:Loosen the four bolts on AM bracket, connect the wires correctly, and pull the wires into the poles.(Figure1)

Step 2: Place the bracket into the pole and lock the four bolts.(Figure 2)

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

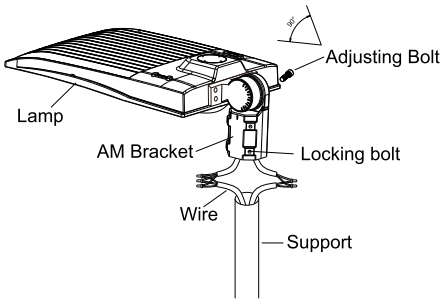


Figure 1

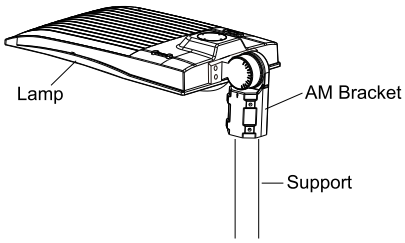


Figure 2

2.DIRECT MOUNTING (DM)

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

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

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

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

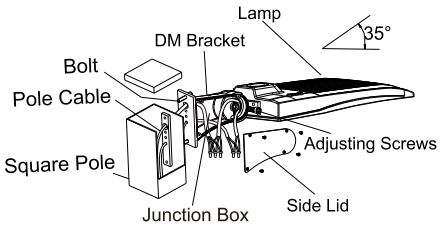


Figure 3

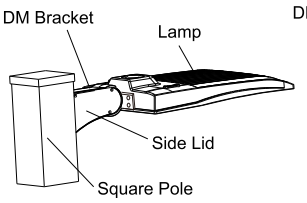


Figure 4

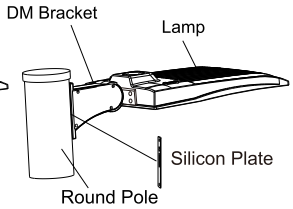


Figure 5

3.YOKE MOUNTING (YM)

Step 1: Drill holes on the wall as shown.(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)

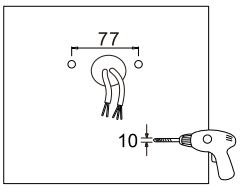


Figure 6

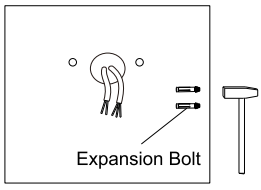


Figure 7

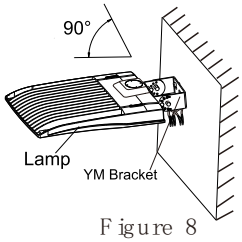


Figure 8