

2023
SPECIFICATION
LED SHOEBOX LIGHT



Type A



Type B



Type C



Type D



Type E



Main Features

- High pressure diecast aluminium alloy housing from 20W to 320W.
- Anti-corrosion with electrophoresis process.
- Adopt multi-chips package 5050 LED source. Stable performance, low light failure and NO dead lights.
- The light transmittance of lens up to 98%. System efficacy up to 181lm/w.
- 120x50°, 145x100°, Type II, Type II-M, III, IV, V optional. Uniform lighting distribution apply to different lighting projects.
- 5 kinds of brackets optional. Type A, B, C, D, E bracket nearly meet all installation environment.
- Excellent operating temperature -40°C ~ 50°C.
- Replaceable and upgradable modular design easy assembly easy installation and easy maintenance.
- Green product, no UV, IR radiation or mercury pollution. Passed IEC62471.
- With excellent housing design reach IP66/IK10 rating.
- Dimming and smart lighting system available upon request.
- ISO9001 ISO14001 ETL CE CB ROHS IP66 IK10 LM80 ENEC Zhaga-D4i certification approved.
- Life-span over 100,000 hours, up to 10 years warranty.
- Protection against light pollution 0 candela light emission above 90 degree from the illuminated surface.
- Stainless steel screws.
- A pressure equalizing moisture/dust filter is incorporated into the lamp structure which prevents the formation of condensate in the lamp housing.
- Dimming function with 5 level mode available.
- Chemically and UV resistant optical solution.
- It is possible to replace the light source and power supply unit.
- Shock test according to EN 60068-2-27:2009 and vibration test according to EN 60068-2-6:2008.

Parameters

Electric Data

Model	LY-XH0101-20	LY-XH0101-50	LY-XH0101-80	LY-XH0102-110	LY-XH0102-160	LY-XH0103-210	LY-XH0103-270
	LY-XH0101-25	LY-XH0101-55	LY-XH0101-85	LY-XH0102-120	LY-XH0102-170	LY-XH0103-220	LY-XH0103-280
	LY-XH0101-30	LY-XH0101-60	LY-XH0101-90	LY-XH0102-125	LY-XH0102-180	LY-XH0103-230	LY-XH0103-290
	LY-XH0101-35	LY-XH0101-65	LY-XH0101-95	LY-XH0102-130	LY-XH0102-190	LY-XH0103-240	LY-XH0103-300
	LY-XH0101-40	LY-XH0101-70	LY-XH0101-100	LY-XH0102-140	LY-XH0102-200	LY-XH0103-250	LY-XH0103-310
	LY-XH0101-45	LY-XH0101-75		LY-XH0102-150		LY-XH0103-260	LY-XH0103-320
Power	20	50	80	110	160	210	270
	25	55	85	120	170	220	280
	30	60	90	125	180	230	290
	35	65	95	130	190	240	300
	40	70	100	140	200	250	310
	45	75		150		260	320
Power Efficiency	88%	88%	90%	90%	90%	90%	90%
	88%	88%	90%	90%	90%	90%	90%
	88%	88%	90%	90%	90%	90%	90%
	88%	90%	90%	90%	90%	90%	90%
	88%	90%	90%	90%	90%	90%	90%
	88%	90%		90%		90%	90%
Power Factor	>0.95						
Power Supply	INVENTRONICS/MOSO/MEANWELL			DALI/ DALI 2/ 1-10V			
Input Voltage	100-277V AC,50/60Hz						
Protection Class	EN- 60598 I or II (optional)						

Photometric Specifications

LEDs	5050 LED						
CRI	>70(>80,>90 optional)						
Beam angle	Type II,Type II-M,III,IV,V,120x50°,145x100°						
Efficiency (145x100°,Type II)	175-181lm/w	165-175lm/w	150-160lm/w	160-170lm/w	150-160lm/w	160-170lm/w	140-150lm/w
	(Type II-M, III,IV,V,120x50°)	155-165lm/w	150-155lm/w	130-150lm/w	150-160lm/w	130-150lm/w	140-150lm/w
LEDs Qty	42pcs	42pcs	42pcs	84pcs	84pcs	126pcs	126pcs
CCT	3000K/4000K/5000K/6000K						
Initial chromaticity	SDCM <5						

Mechanical Specifications

IP/ IK Rate	IP66/ IK10						
Lifespan	>100,000 Hours						
Bracket Optional	Type A,B,C,D,E						
Housing Material	ADC#12						
Body Color	RAL 9006 (other colors available on request)						
Lens Material	PC						
N.W.(KG)	4.6	4.6	4.6	5.6	5.6	6.5	6.5
Light size (mm)	524x312x93	524x312x93	524x312x93	651x312x93	651x312x93	778x312x93	778x312x93
Working Temperature	-40°C~50°C, 20%~90% RH						
Storage Temperature	-45°C~55°C, 10%~90% RH						
Compression strength	1500VAC/10mA						
Insulation resistance	≥10MΩ 500VDC						
Leakage current	<1mA @220VAC						
Ground resistance	<0.1Ω, 10A						
Surge protection	5KV line-line, 10KV line-earth, 6KV line-earth						
Temperature rise of lamp	≤50°C @25°C						
Certificates/Test	ISO9001 ISO14001 ETL CE CB ROHS IP66 IK10 LM80 ENEC Zhaga-D4i certification, shock and vibration test						



External Design Features



Product Details



LED Chip

Use customized chip from TOP 5 LED chip manufacturer, delivering high luminous efficiency up to 200lm/w.



Lens

120x50°, 145x100°, Type II, Type II-M, III, IV, V optional beam angle upon requirements.



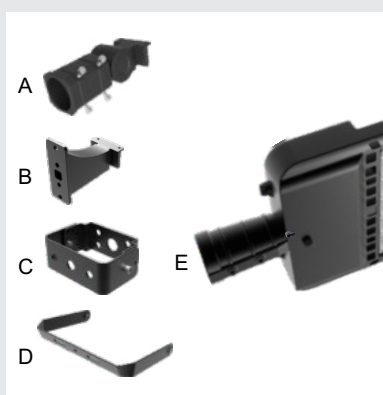
Power Supply

Inventronics, Meanwell, Moso, Sosen driver optional, with 5 years warranty.



Heat Sink

Fashionable housing design with great heat dissipation die cast aluminum.



Multiple Bracket

Type A, B, C, D, E brackets apply to round pole, square pole and wall mounting.

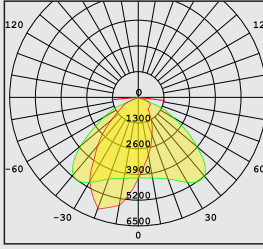


Driver box

With rubber seal ring IP66 waterproof driver cabinet design

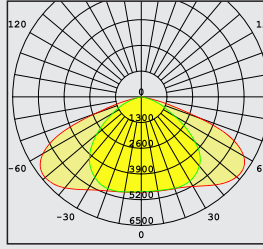
Distribution Curve

120x50°



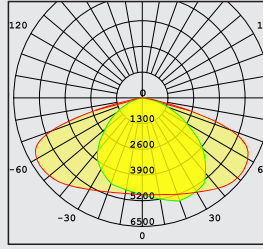
AVERAGE BEAM ANGLE 50%):118.9 DEG
UNIT:cd — C0-C180 — C90-C270

145°X100°



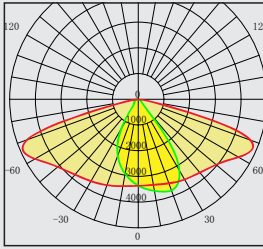
AVERAGE BEAM ANGLE (50%):124.0 DEG
UNIT:cd — C0/180,143.4° — C90/270,97.2°

Type II



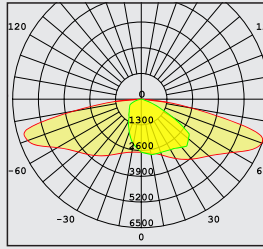
AVERAGE BEAM ANGLE 50%):99.5 DEG
UNIT:cd — C0/180,148.3° — C90/270,64.3°

TYPE II-M



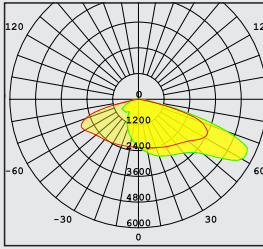
AVERAGE BEAM ANGLE 50%):100.2 DEG
UNIT:cd — C0/180,151.6° — C90/270,61.4°

TYPE III



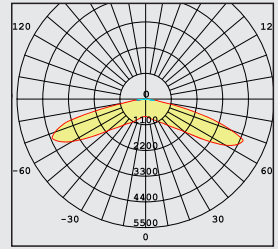
AVERAGE BEAM ANGLE 50%):101.9 DEG
UNIT:cd — C0/180,168.0° — C90/270,81.3°

TYPE IV



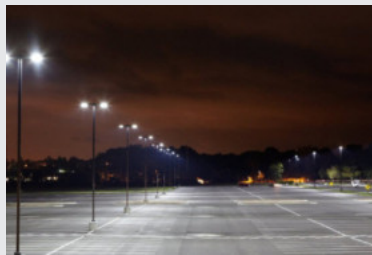
AVERAGE BEAM ANGLE 50%):83.4 DEG
UNIT:cd — C0/180,153.7° — C90/270,65.9°

TYPE V



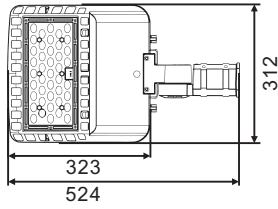
AVERAGE BEAM ANGLE 50%):166.0 DEG
UNIT:cd — C0/180,166.8° — C90/270,164.1°

Case

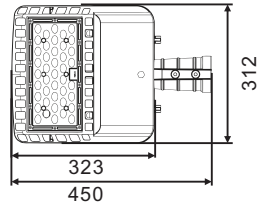


Dimension(mm)

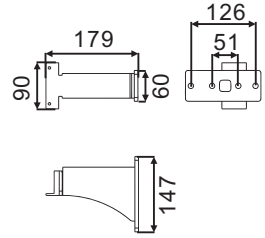
Type A
XH0101 (20W-100W)



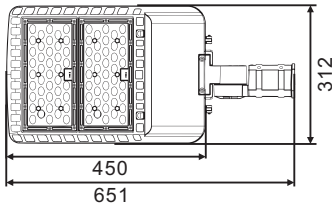
Type E
XH0101 (20W-100W)



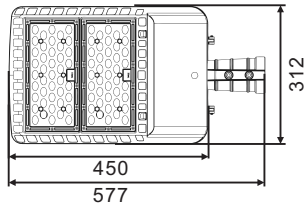
Type B



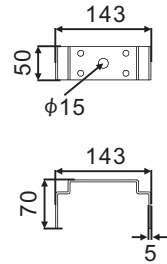
Type A
XH0102 (110W-200W)



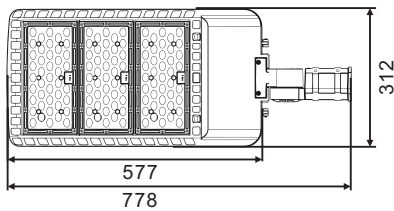
Type E
XH0102 (110W-200W)



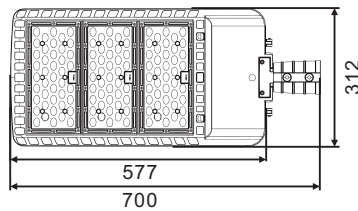
Type C



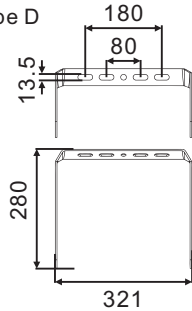
Type A
XH0103 (210W-320W)



Type E
XH0103 (210W-320W)

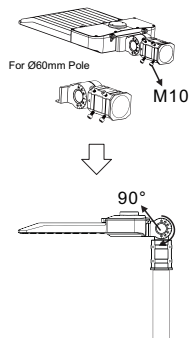


Type D

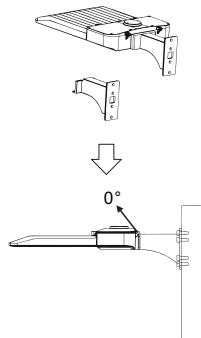


Installation

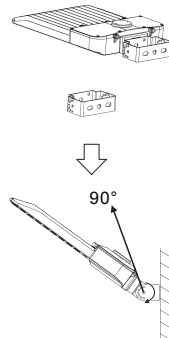
Slip Fitter Bracket (Type A)



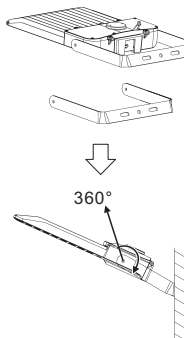
Straight Bracket (Type B)



Wall Mounted Bracket (Type C)



Wall Mounted Bracket (Type D)



Inseparable Bracket (Type E)

