

STL-S Series Street Light



20W/30W/
40W/50W/60W

80W/100W/120W

150W/180W/200W



Small size: XJ-STL20W-S, XJ-STL30W-S,

XJ-STL40W-S, XJ-STL50W-S, XJ-STL60W-S

Medium size: XJ-STL80W-S, XJ-STL100W-S, XJ-STL120W-S

Large size: XJ-STL150W-S, XJ-STL180W-S, XJ-STL200W-S

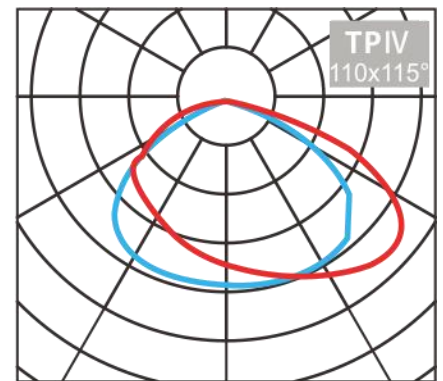
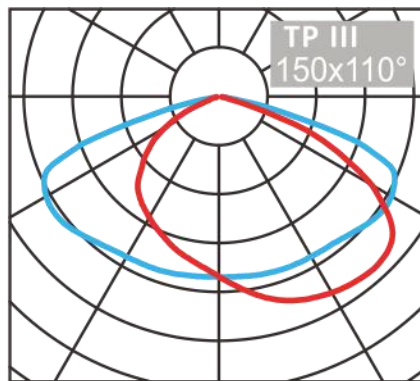
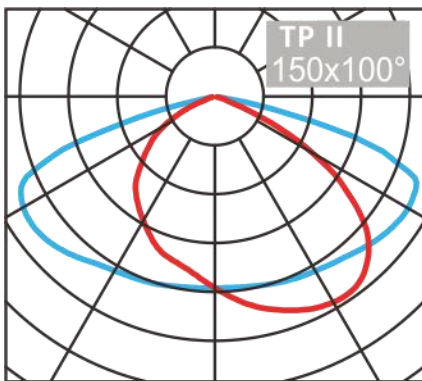
Features

STL-S series street light designed for main roads, secondary roads, rural roads, parks and other places, Simplified lamp body structure, low cost and high light efficiency.

Products using lumileds light source and SOSEN Constant Current Power Driver, L80B20 can reach more than 50,000 hours. Tempered Glass and Polycarbonate Optical Lens, Protection level up to IK08 and IP66 rating.

Photometry

Different optical options to suit more applications



Specifications

Item NO.	XJ-STL20W-S / XJ-STL30W-S / XJ-STL40W-S / XJ-STL50W-S / XJ-STL60W-S / XJ-STL80W-S / XJ-STL100W-S / XJ-STL120W-S XJ-STL150W-S / XJ-STL180W-S / XJ-STL200W-S
Brand of LED Chips	LUMILEDS LED
Brand of LED Driver	SOSEN/MEANWELL
Driver Type	Constant Current (CC)
Input Voltage & Frequency	100-305Vac 50/60Hz
Luminous Flux	28000LM / 200W
LED Luminaire Efficacy	>145LM/W
Housing	Aluminum Alloy
Finish	Powder Coating
Fixture Color	Gray /White
Optics	Tempered Glass and Polycarbonate Optical Lens
Surge Protection	10kV(standard) / 20kV
IP/IK Rating	IP66/IK08
Operating Temperature	-40-50°C
Dimmable	Dimmable and Non-dimmable
L80B20@Ta25°C	>50000H
Intelligent Control	DALI / Photocell
Beam Angle	Type II(150x100°), Type III(150x110°), Type IV(110x115°)
Bushing diameter	60mm
Certifications	CB, TUV, CE, RoHS, SAA
Warranty	5 Years

Note: Light optic with a little deviation for different color temperature LED , deviation value≤10%

Applications



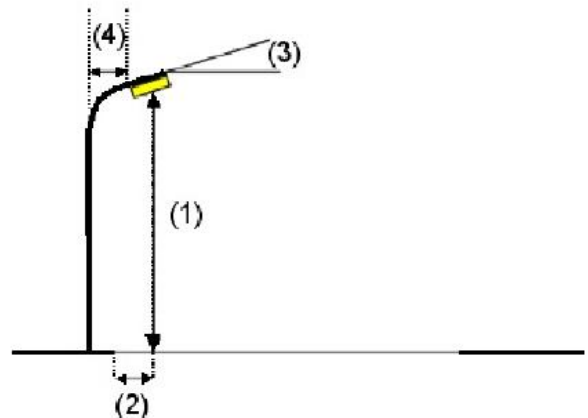
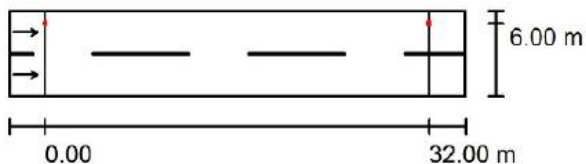
Dialux Simulation

Street Profile

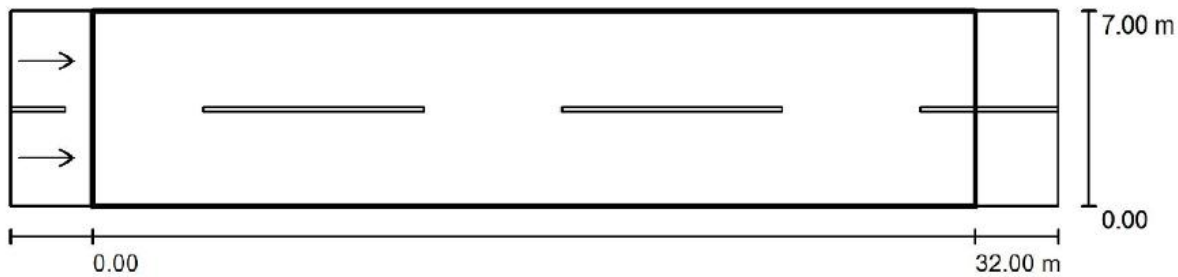
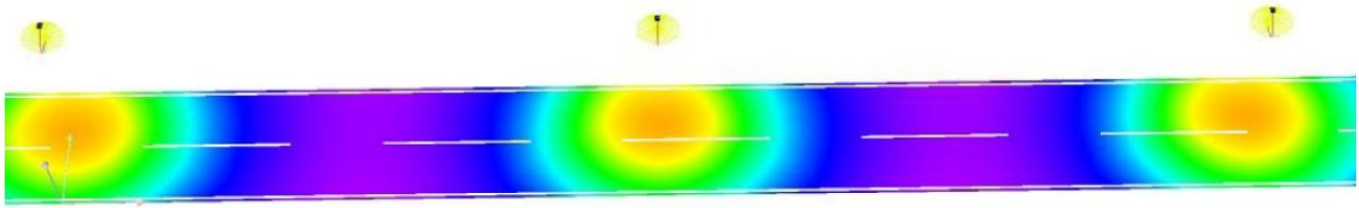
Roadway 1 (Width: 7.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Light loss factor: 0.67

Luminaire Arrangements



Luminaire:	SEEKING XJ-STL80W-3030-TP3	Maximum luminous intensities
Luminous flux (Luminaire):	11286 lm	at 70°: 260 cd/klm
Luminous flux (Lamps):	11285 lm	at 80°: 41 cd/klm
Luminaire Wattage:	80.4 W	at 90°: 5.24 cd/klm
Arrangement:	Single row, top	Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.
Pole Distance:	32.000 m	No luminous intensities above 90°.
Mounting Height (1):	8.000 m	Arrangement complies with luminous intensity class G5.
Height:	8.000 m	Arrangement complies with glare index class D.5.
Overhang (2):	1.000 m	
Boom Angle (3):	0.0 °	
Boom Length (4):	0.500 m	



Light loss factor: 0.67

Scale 1:272

Grid: 11 x 6 Points

Accompanying Street Elements: Roadway 1.

tarmac: R3, q0: 0.070

Selected Lighting Class: ME4a

(All lighting performance requirements are met.)

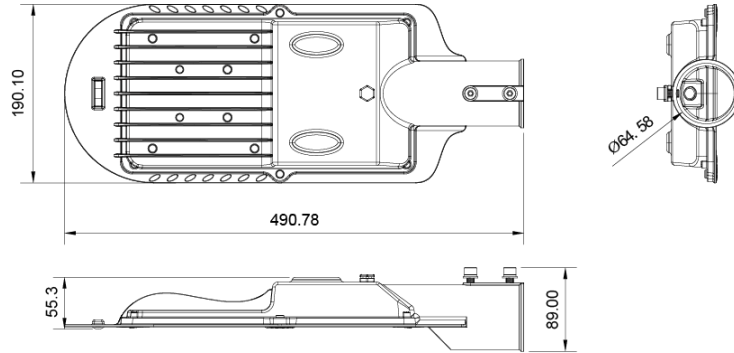
	L_{av} [cd/m ²]	U0	UI	TI [%]	SR
Calculated values:	0.77	0.50	0.66	8	0.72
Required values according to class:	≥ 0.75	≥ 0.40	≥ 0.60	≤ 15	≥ 0.50
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

Assigned observer (2 Pieces):

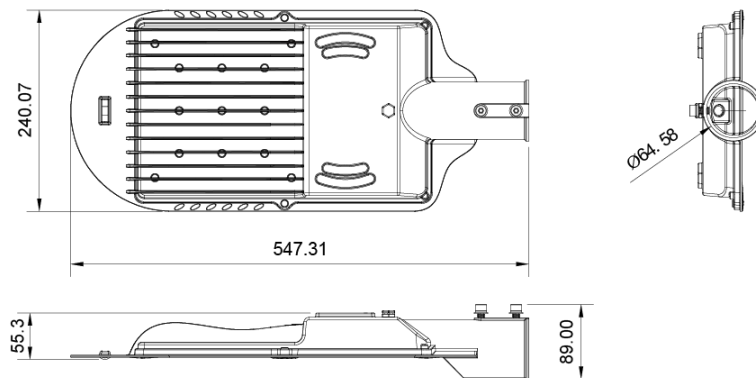
No.	Observer	Position [m]	L_{av} [cd/m ²]	U0	UI	TI [%]
1	Observer 1	(-60.000, 1.750, 1.500)	0.80	0.52	0.66	6
2	Observer 2	(-60.000, 5.250, 1.500)	0.77	0.50	0.66	8

Dimension

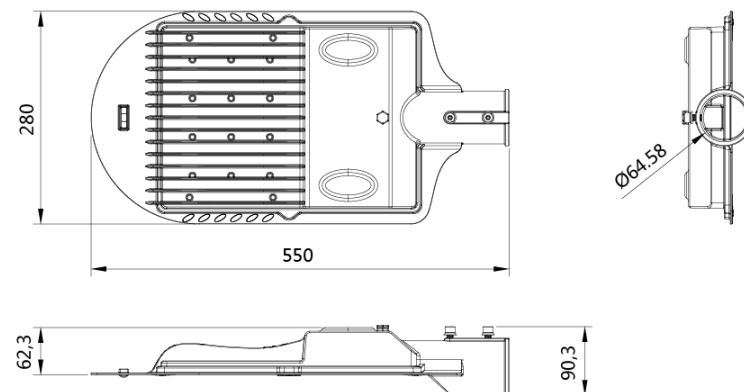
Unit: mm



Small size

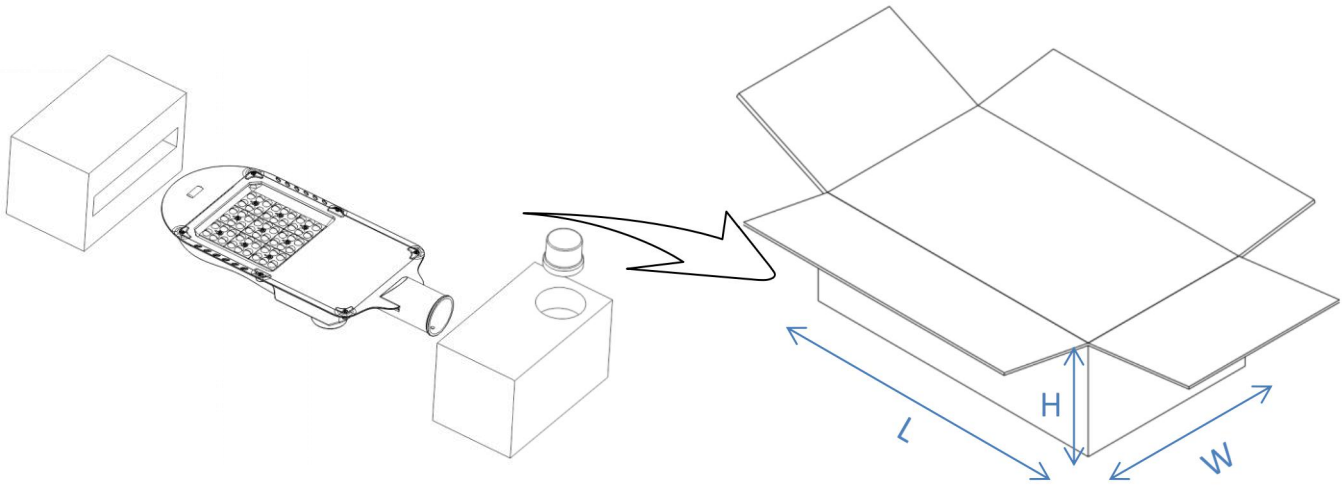


Medium size



Large size

Packing



Model	Carton Size (LxWxH)	Qty.	N.W.	G.W.
20W-60W	53.5x23.5x12 cm	1PC/CTN	2.5kg	3.3kg
80W-120W	59.5x29.0x15 cm	1PC/CTN	3.5kg	4.5kg
150W-200W	59.5x32.5x15 cm	1PC/CTN	4.2kg	5.7kg