

STREET LIGHT: SL

DATASHEET



SL is a high performance series street light providing ultra-flexible lighting solution. The luminaire is specifically designed with long-lasting performance, with high-pressure die-casting aluminum, It is designed with ZHAGA and NEMA socket to provide numerous control options, available with 0-10V, DALI or custom dimming profile.

Advantage

- Die-cast aluminium, efficient heat dissipation.
- Clean design, less dust and water accumulation.
- multiple light distribution options, suitable for professional road lighting in various road applications.
- Supports NEMA and ZHAGA smart control extensions.
- Tool-less cover opening.
- Tempered glass optical surface.
- open the cover and power off automatically
- angle adjustment range $\pm 15^\circ$, minimum adjustable scale 5°

Application

- Various roads
- parking lots
- parks
- squares

Features

- Power: 40W-300W
- CCT: 3000K - 5700K
- Efficiency: 140LM/W
- IP66, IK09
- CB, CE, ENEC, ENEC+
- warranty 5years





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Specification Information

• Optical parameters

Model No.	SL1-40W	SL1-60W	SL2-80W	SL2-100W
Power	40W	60W	80W	100W
Lumen	5600Lm	8400Lm	11200Lm	14000Lm
Model No.	SL4-150W	SL4-180W	SL6-240W	SL6-300W
Power	150W	180W	240W	300W
Lumen	21000Lm	25200Lm	33600Lm	42000Lm
Efficiency	140lm/W*			
CCT (Typ. K ± 10%)	3000K, 4000K, 5700K			
CRI (Ra)	≥70			
SDCM	≤6			
Beam angle	Type II , Type III ****			

• Electrical parameters

Input voltage	AC100-240V /220-240V 50-60Hz
Power Factor	0.95
Surge Protection	MOSO:L-N: 5KV**, INVENTRONICS:L-N: 6KV
Dimmable	0-10V, PWM, Timer dimming (Optional)

• Mechanical parameters and key materials

Housing	High-pressure die-cast aluminum RAL9023 gray
Lens	UV-resistant polycarbonate
Cover	Tempered glass
LED Driver	MOSO (100-240V) INVENTRONICS (220-240V)
LED Brand/Model	EDISON 5050

• General parameters

Mounting	Side entry or post-top
Operating Temperature	- 20 ~ + 50°C
Storage humidity	10% ~ 85%
Protection	IP66, IK09
Electrical class	ClassII
Lumen maintenance	50,000 hours at L70
Safety Approval	CE***, CB, ENEC,ENEC+

*base on: 4000K

**SPD 10KV/20KV is optional.

***SL6 only CE

****Type I, Type IV, Type V is optional.

Due to the special conditions of manufacturing process of LED, the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual

Features



*SL1 SL2,SL4single power supply ; SL6 can be equipped with dual power supply ;

Accessories



60-76 adaptor



48mm adaptor



Wiring Connector(IP66)



Input cable



NEMA receptacle



Photocell



ZHAGA receptacle



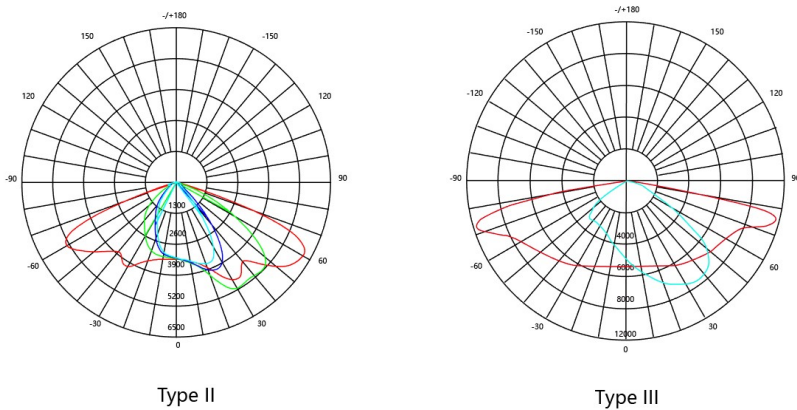
Shorting cap

Dimensions



Model No.	SL1	SL2	SL4	SL6
a	514mm	578mm	770mm	895mm
b	210mm	235mm	235mm	340mm
c	111mm	95mm	95mm	107mm
Pole diameter	55~60mm	55~60mm	55~60mm	55~60mm
Pole diameter (with adaptor)	48~76mm	48~76mm	48~76mm	48~76mm

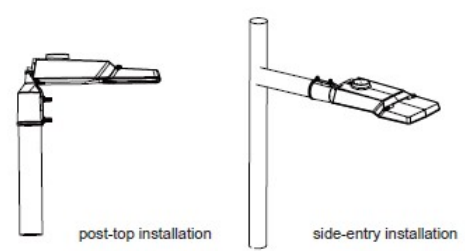
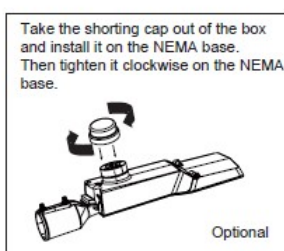
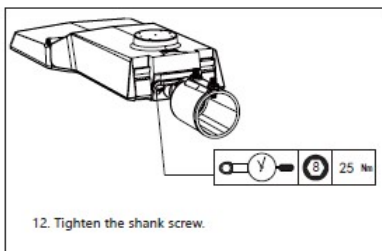
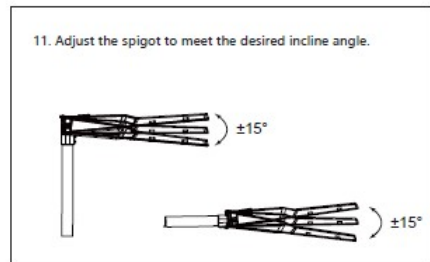
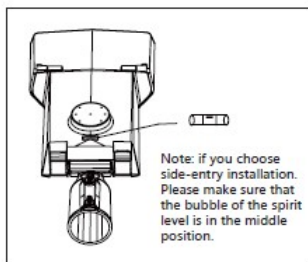
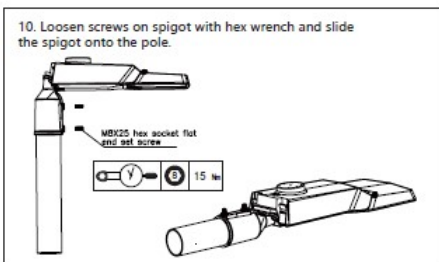
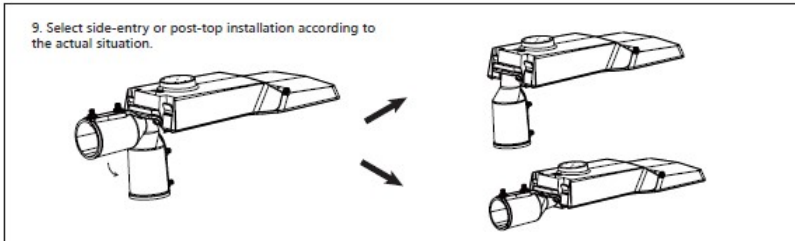
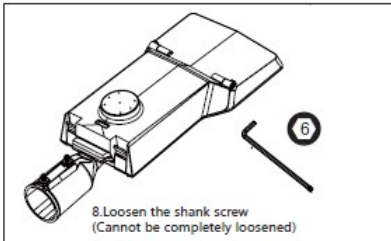
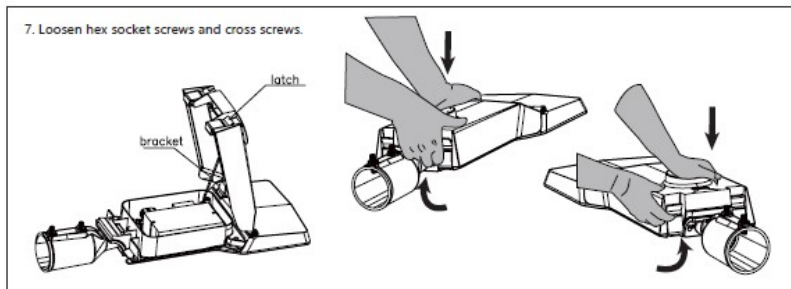
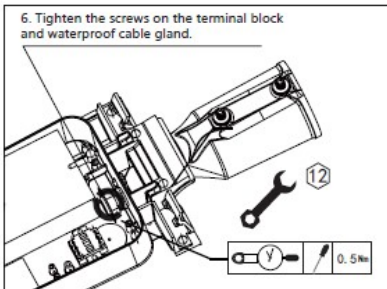
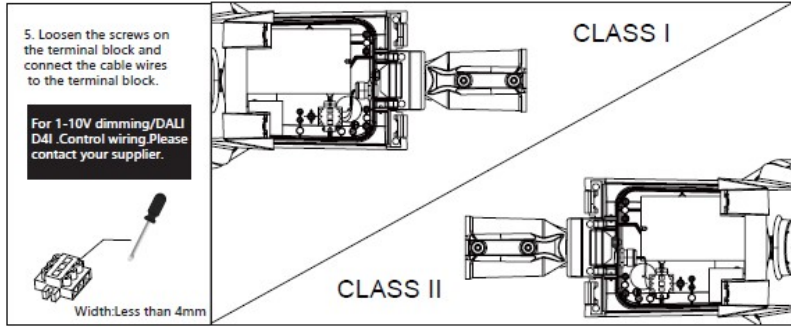
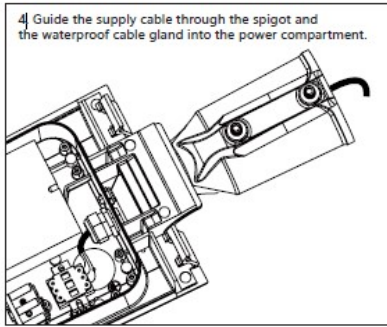
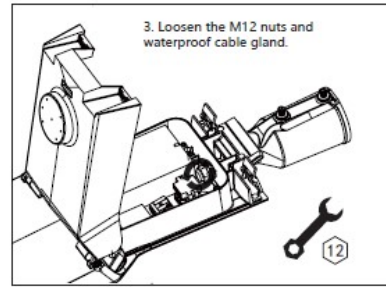
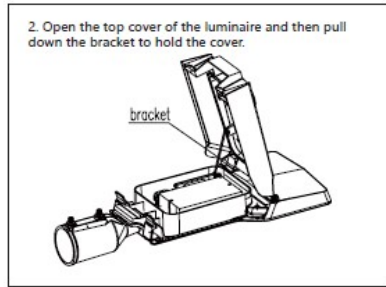
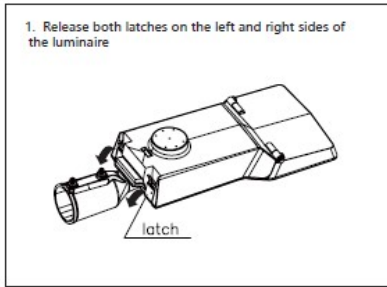
Light Distribution Curve



*Other optical type is available according to special request.

Packaging Information

Model No.	SL1	SL2	SL4	SL6
Packaging dimension (mm)	545*485*330	645*290*160	830*290*160	990*420*205
N. Weight (kg)	12.4	4.8	6.4	10.1
G. Weight (kg)	15.4	5.6	7.4	11.8
Packing	4pcs/carton	1pc/carton	1pc/carton	1pc/carton



User Manual(SL2 SL4 SL6)

1. Release both latches on the left and right sides of the luminaire.

2. Open the top cover of the luminaire and then slide down the bracket to hold the cover.

3. Loosen the M20 nuts and waterproof cable gland.

4. Guide the supply cable through the spigot and the waterproof cable gland into the electric compartment.

5. Loosen the screws on the terminal block and connect the cable wires to the terminal block.

For 1-10V dimming/DALI control wiring, please contact your supplier

Width: less than 4mm

6. Tighten the screw of the terminal block and the waterproof cable gland.

7. Slide up the bracket and close the top cover. Tighten both latches, ensure the top cover closed and there are no gaps and seal is correctly aligned.

8. Loosen the shank screw (cannot be completely loosened)

9. Select side-entry or post-top installation according to the actual situation.

10. Loosen screws on spigot with hex wrench and slide the spigot onto the pole.

M10*25 hex socket flat end set screw

11. Adjust the spigot to meet the desired incline angle

12. Tighten the shank screw

Take the shorting cap out of the box and install it on the NEMA base, then tighten it clockwise on the NEMA base.

Optional

post-top installation side-entry installation

Revision History

Versions	Description	Release Date
1.0	NEW	2023/11

About Edsion Opto

Edison Opto provides comprehensive LED and solid-state lighting products from LED Component, Light Module, UV / IR LED, LED sensing, Horticulture and Automotive Lighting. With a view to improve R&D process, Edison Opto develops the vertical platform on **TEMOTM** (Thermal . Electrical . Mechanical. Optical) to ensure the quality of products and services; Furthermore, Edison Opto creates **LDMSTM** (Lighting Design Manufacturing Service) from light source to luminaire manufacturing, to serve our customers a quality experience of customized solutions.



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