

SLR16 Series LED Street Light



≥0.95

Power Factor

70 Ra

CRI

IP66

IP Level

IK09

IK Level

6KV/10KV

Surge Voltage

≥50000 Hrs

TM-21 (L₇₀)

AC 100-277V

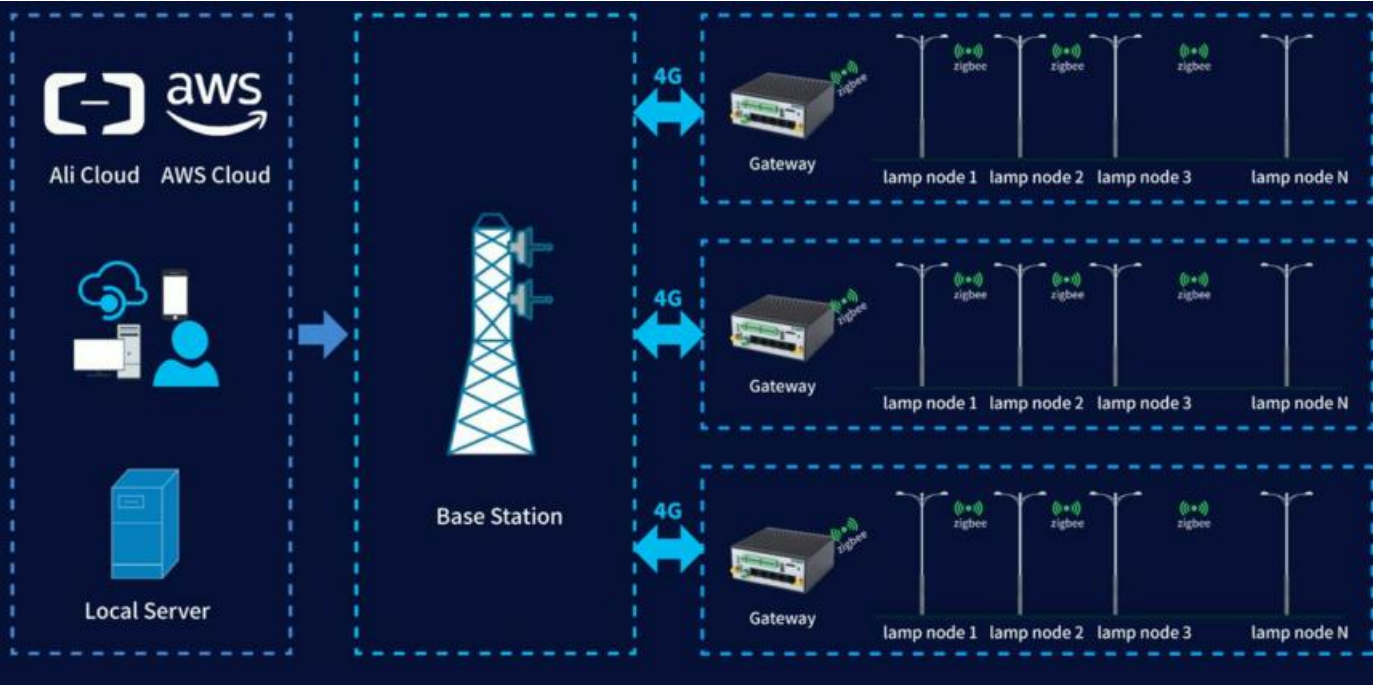
Input Voltage

47-63Hz

Power Frequency



Smart lighting solutions--- Zigbee lighting control



Application site:

1. City road / tunnel lighting
2. Commercial lighting control
3. Solar street smart lighting control

Features:

1. Lamp on/off/Dim/metering/alarm operation/strategy storage
2. Loop control optional (1~8 loops)

Advantage:

1. Easy to install
2. Strong system expansion ability and increase sensor devices
3. Low power consumption, large capacity , high stability

Smart lighting solutions--- LoRa lighting control



Application site:

1. City road /tunnel lighting
2. Commercial lighting control
3. Smart Park

Frequency Band Optional:

433/470/EU868/US915/AS923/AU923MHz

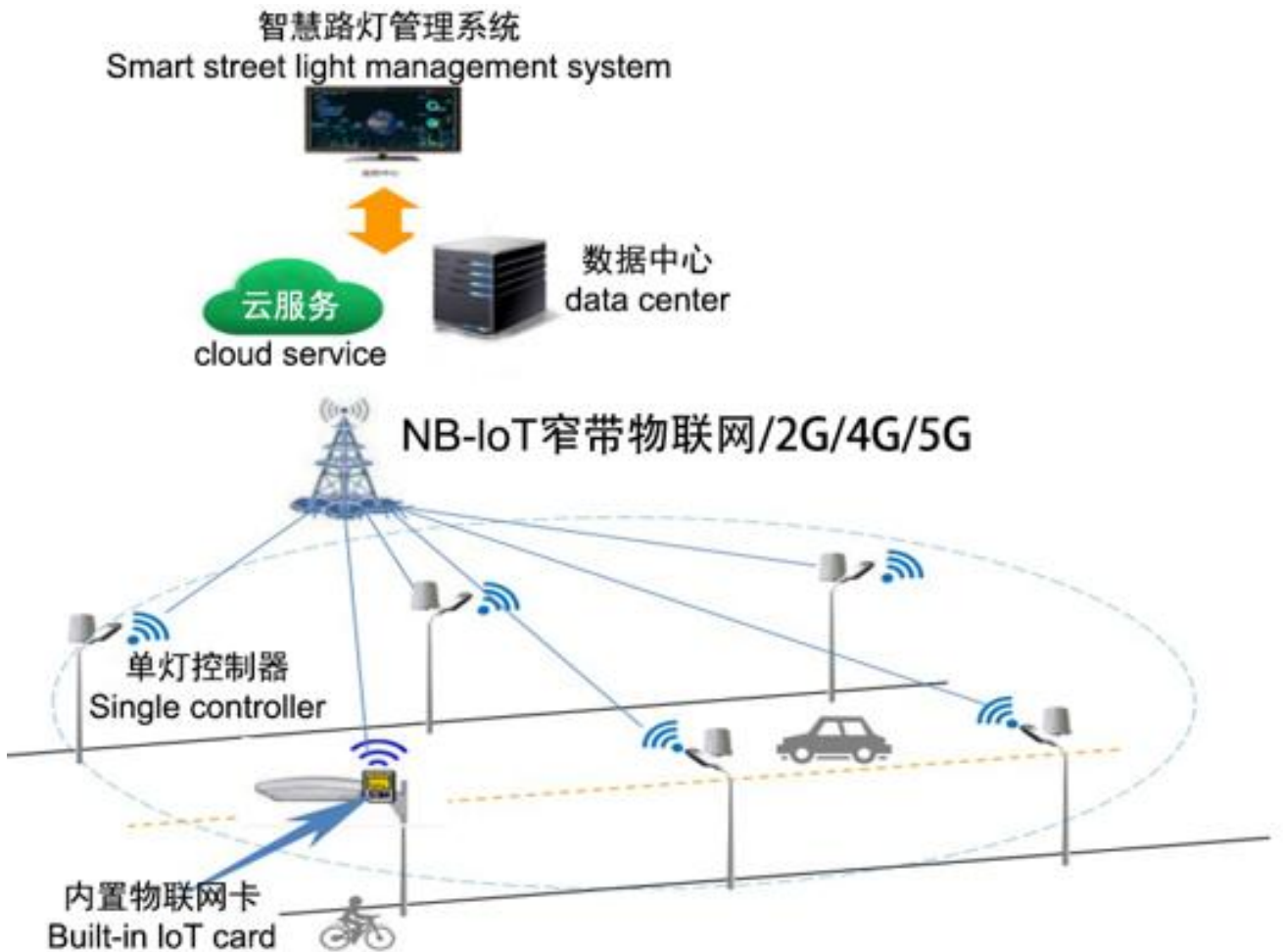
Features:

1. Lamp on/off/Dim/metering/alarm operation/strategy storage
2. LoRa gateway coverage radius of 2-5kilometer

Advantage:

1. Easy to install
2. Strong system expansion ability and increase sensor devices
3. Low power consumption, large capacity , high stability

Smart lighting solutions--- NB lighting control



Application site:

- City road / tunnel lighting
- Commercial lighting control
- Solar street smart lighting control

Features:

Lamp on/off/Dim/metering/alarm operation/strategy storage

Advantage:

- Easy to install
- Strong system expansion ability and increase sensor devices
- Low power consumption, large capacity , high stability

SLR16 Series LED Street Light

■ Matters needing attention

- Before installing the lighting fixtures, please read this instruction manual carefully.
- The lighting fixtures should be installed, connected and tested by a certified electrician based on the local regulations.
- Lamps should always be installed or replaced carefully.
- Please check the local voltage in accordance with the product requirements before installation.
- Revamping only can be done when the power is off and the lamp is completely cooled down.
- When clean the lamp, make the power off and let it cool down completely, clean the fixture with a soft cloth and a standard PH neutral detergent, stainless steel should be maintained regularly.
- Don't cover the fixtures with flammable materials.
- Replace should be made by the manufacturer or his service agent or certified electrician in order to avoid a hazard.

■ Temperature Characteristics T-ambient 25°C

Temperature

Operating -20~+55°C

Storage -40~+60°C

■ Electrical Characteristics

Input Voltage:AC100-277V

50/60Hz PF:>0.9

Power Efficiency: ≥ 0.90

SLR16 Series LED Street Light

1.Features

- IP66 waterproof/dust proof/explosion proof/IK09
- Aluminum shape good at heat dissipation
- The lamp post can be adjusted to plus or minus 15 degrees
It can also be installed vertically
- SMD 3030/ 5050/ Ra>70/SDCM<6
- 100,000 times switching cycle before failure
- Total harmonic distortion(THD)<10%
- Excellent post light control design, the whole lamp can achieve T II-M,
T III-M, That's our advantage
- Pass 3G vibration test

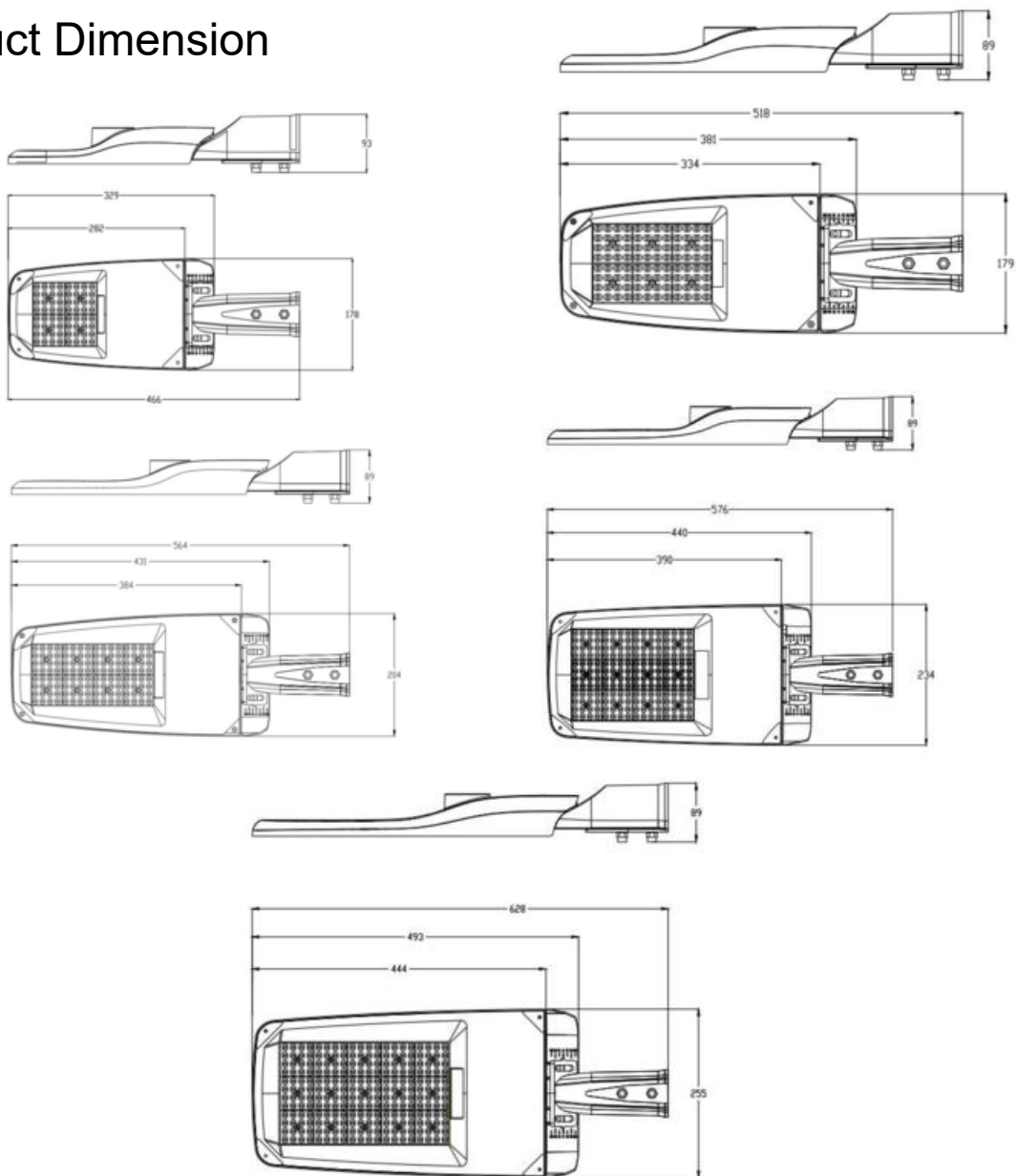
2.Application

ROAD LIGHTING

It is mainly applied to the road lighting of urban expressway, secondary trunk road, branch road, factory, school, garden, various residential communities and courtyards. The installation height is 6-13m and the installation torque is 16Nm.

SLR16 Series LED Street Light

3.Product Dimension



Model NO.	Size L(mm)	Size W(mm)	Size H(mm)	Support pole diameter
R16-13	466	178	89	48/60
R16-15	518	179	89	48/60
R16-110	564	204	89	60
R16-115	576	234	89	60
R16-120	628	255	89	60

SLR16 Series LED Street Light

4.Parameter

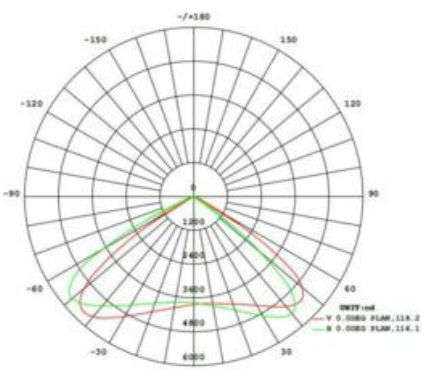
Model NO.	Power (W)	Light Source	LED QTY (PCS)	Lens (PCS)	CCT (K)	Lumen (lm/W)	CRI
R16-13-30W	30	3030 (5050)	64/24	4	4000k	130/160	>70
R16-13-40W	40	3030 (5050)	64/24	4	4000k	130/150	>70
R16-15-50W	50	3030 (5050)	96/36	6	4000k	130/160	>70
R16-15-60W	60	3030 (5050)	96/36	6	4000k	130/150	>70
R16-110-80W	80	3030 (5050)	96/48	8	4000k	130/160	>70
R16-110-100W	100	3030 (5050)	128/48	8	4000k	130/160	>70
R16-115-120W	120	3030 (5050)	192/72	12	4000k	130/160	>70
R16-115-150W	150	3030 (5050)	192/72	12	4000k	130/160	>70
R16-120-180W	180	3030 (5050)	240/90	15	4000k	130/160	>70
R16-120-200W	200	3030 (5050)	240/90	15	4000k	130/160	>70

Erp Technical Specification

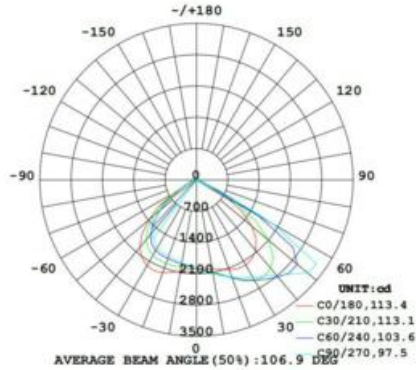
Item	Symbol	specification/Data
Color Index	CRI	Ra>70
Luminous Efficacy	lm/W	130--170 lm/W
Energy efficiency Class	/	D
Color consistency in level	/	Max. 6SDCM
THD	/	<15%
Starting Time	S	<0.5S
Switching cycle before failure	/	>100,000times
Premature failure rate@1000h	/	0
Lifespan	H	>50000Hrs

SLR16 Series LED Street Light

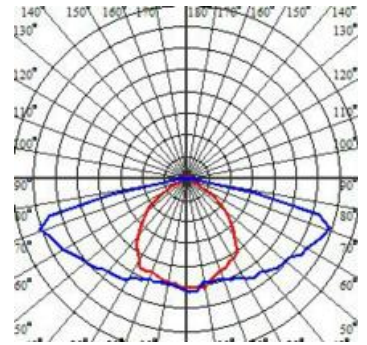
Light distribution curve selection



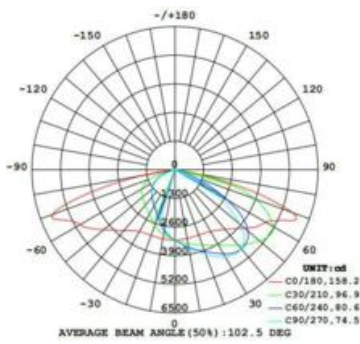
120°



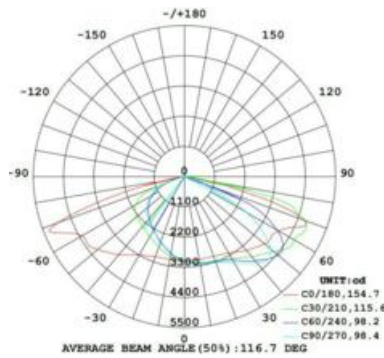
113° X 97°



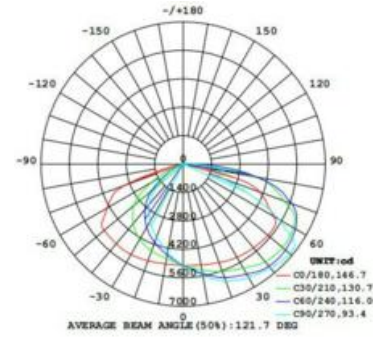
T I



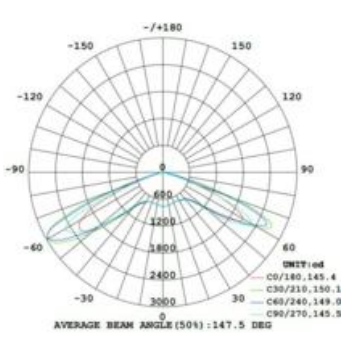
T II-M



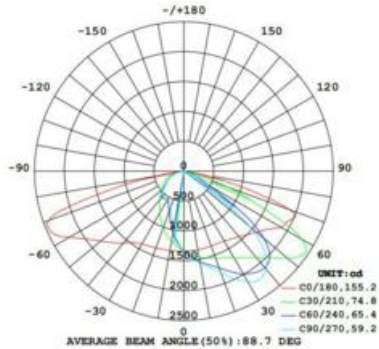
T III-M



T IV-M



T V



T II-BLS

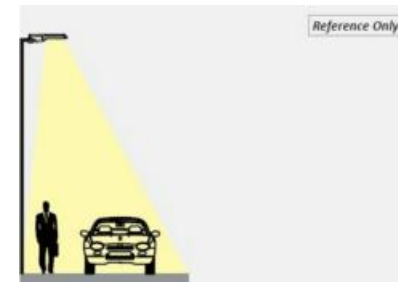
SLR16 Series LED Street Light

Multiple Light Distribution Options

Street light should fit with a wide range of applications, such as highway, express way, roadway, avenue, walking path or parking lot lightings. Considering this, SUNLE provides different light distribution lens for the R16 Series street light to achieve best lighting effect in different applications. SUNLE follows the North American IESNA standard in providing the optional lens width ,Type I, Type II ,Type III and Type V.

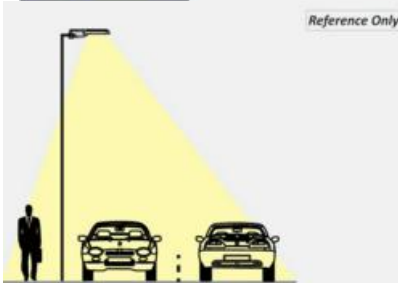
Type I is suitable for walking path with 1 lane, Type II is for 2 lanes and Type III is for even more wider road, Type V is for parking lot.

SUNLE selects the most suitable lens for its customers according to the detailed parameters project by project.



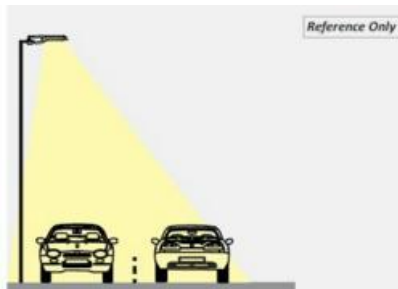
TYPE I

The Type I lens of sunle R16 series street light. In the IESNA Standard, The Type I distribution is great for lighting walkways, paths and sidewalks. It is generally applicable to where the mounting height is approximately equal to the roadway width.



TYPE II

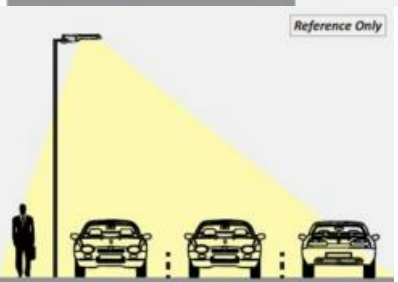
The Type II lens of sunle R16 series street light. In the IESNA Standard, the Type II distribution is used for wide walkways, on ramps and entrance roadways, as well as other long, narrow lighting. It is generally applicable to where the width of the roadway does not exceed 1.75 times the designed mounting height.



TYPE II BLS

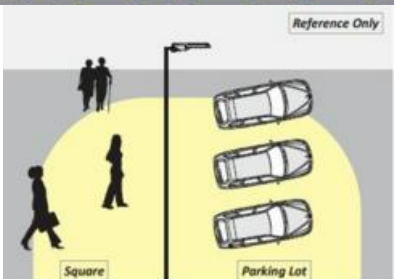
The Type II BLS is a new light distribution developed based on Type II.

BLS means back light shield. The light on the back of pole be reduced and the light in front of the pole be increased accordingly. It is generally applicable to where no need or need less light on the back of pole, such as residential area, high way, bridge and etc.



TYPE III

The Type III lens of sunle R16 series street light . In the IESNA Standard, the Type III distribution is meant for roadway lighting, general parking areas and other areas where a larger area of lighting is required. This distribution is intended for luminaires mounted at or near the side of medium width roadways or areas, where the width of the roadway or area does not exceed 2.75 times the mounting height.

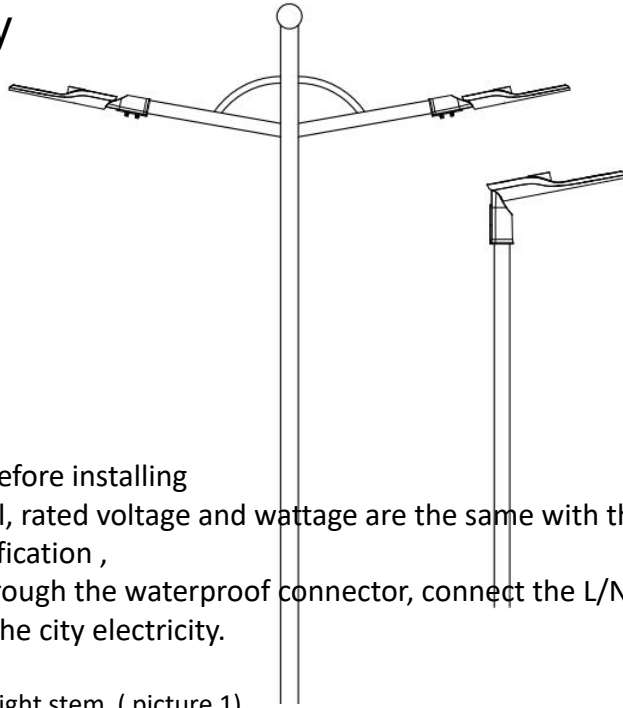


TYPE V

The Type V lens of sunle R16 series street light . In the IESNA Standard,It is intended for luminaire mounting at or near center of roadways, center islands of parkway, and intersections. It is also meant for large, commercial parking lot lighting as well as areas where sufficient, evenly distributed light is necessary.

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5.Installation way



■ Installing steps

Turn off the power before installing

Make sure the model, rated voltage and wattage are the same with the design parameters

Check the wire specification ,

Connect the wire,Through the waterproof connector, connect the L/N wire of the street lamp to L/N wire of the city electricity.

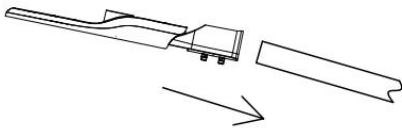
1.Put the light into the light stem (picture 1)

2.Fix the screw of handle (picture 2)

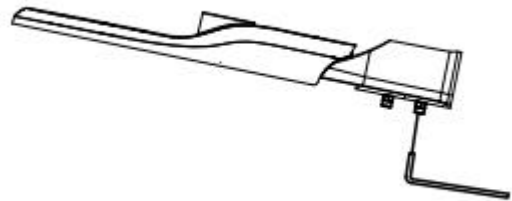
3.check the installing of the light whether level or not .

4.Adjust the angle into which needed (picture 3) .

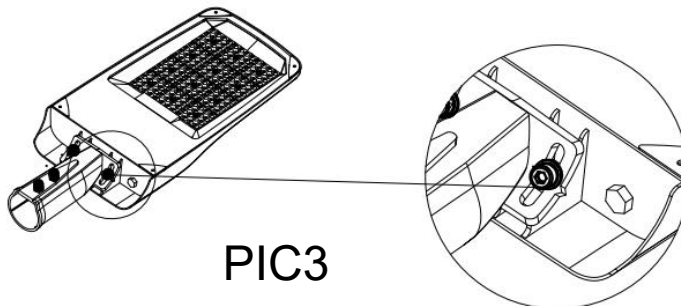
5. Check the the handle screw fixed or not, if loose, should make it tightly, torque is 16NM



PIC1



PIC2



PIC3

SLR16 Series LED Street Light

6.Packaging

Packing Data

Model No	Sningle BOX	Pcs/CTN	N. W/PCS (kg)	G. W/CTN (kg)	Meas (mm)
R16-13	1	1	1.5	1.65	480*190*100
R16-15	1	1	2.3	2.5	542*195*100
R16-110	1	1	3.11	3.5	580*220*100
R16-115	1	1	3.6	3.8	590*250*100
R16-120	1	1	3.98	4.3	642*270*100

7.Attention

This specification is for reference only,we reserve the right to change without notice.