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# ORO Series LED Street Light



**MASONLED**

ORO LED Street Light





## Advantages

ORO LED street light series,are elegant and fashionable.As Mason's export flagship,ORO has earned worldwide acclaim since the new release in 2015.

ORO is more than a industrial luminaire,it is a work of art. Thanks to the durable die-casting aluminum housing, ORO is perfectly resistant to impact of IK08 rate.The light source LEDs are put in between the aluminum housing.The unique design is equipped with highly transparent glass cover,which prohibits the dust,moisture and UV light's ingress and greatly increase the service life.Especially suitable for main street lights, rural roads, pedestrian roads and even the path of the courtyard.

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- ◆ IP66, High Water Proof Protection Degree.

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  - ◆ IK08, Mechanical Resistance.

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  - ◆ Robust Integrated Aluminum Die-casting Housing.

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  - ◆ Tool-free Opening Driver Cabinet Cover.

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  - ◆ Automatic Power- Off Switch Optional As Safety Protection.

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  - ◆ Angle Adjustable When Install To Pole By 15 Degrees Up And Down.

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  - ◆ Surge Protection Device, 10kv And 20kv As Option.

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  - ◆ Remote/ Wireless Control Or Smart Control System Available Based On Project Requirements.



## Application scene

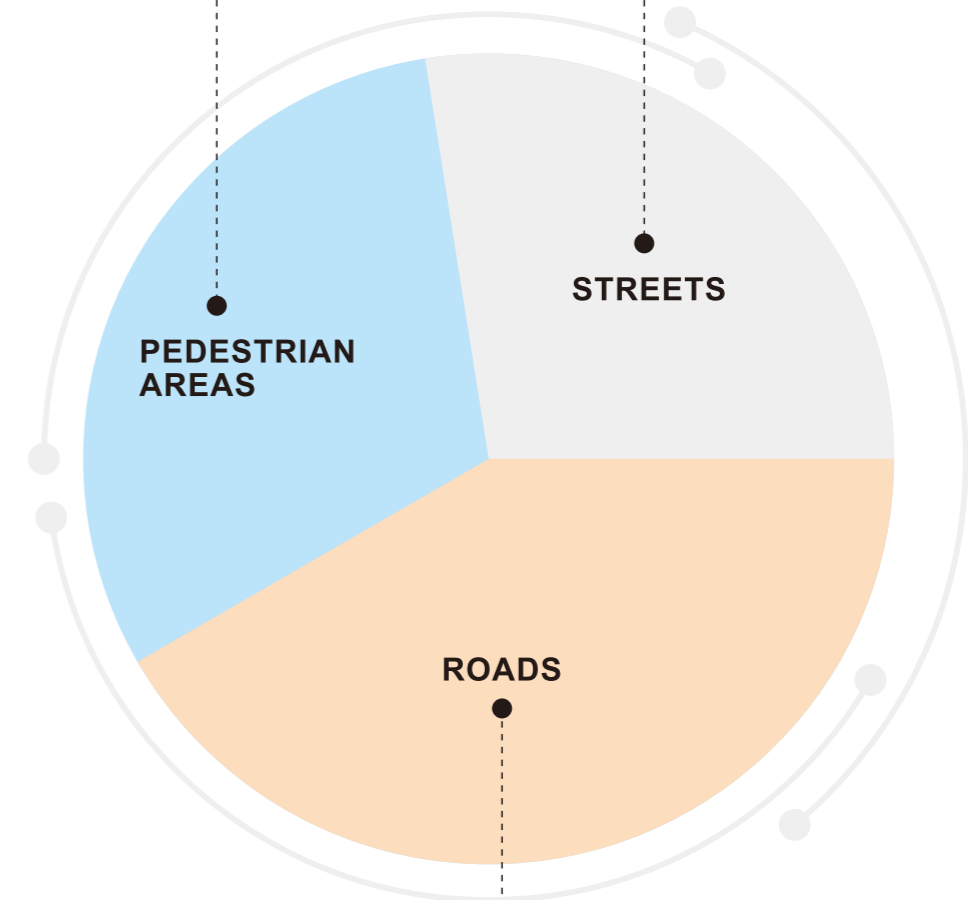
Streets, paths and bike paths



Residential streets



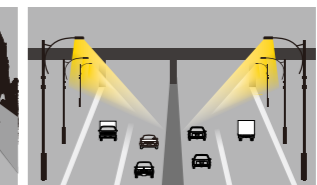
Shared zones, commercial streets in urban areas



Rural roads



Urban roads








Motorways and ring roads



### Few features about Oro (Micro, Mini, Midi, Maxi)



ORO MAXI		140W-300W
ORO LARGE		100W-170W
ORO MIDI		70W-130W
ORO MINI		20W-70W
ORO MICRO		20W-40W



**IP68**  
**WATERPROOF**



IP68 water proof protection  
solution for light source part  
available



### Tool free opening

After the Up-gradation, ORO series street lights can be opened without tools, more convenient, worry-free and less labor.



# ORO Large Structure chart

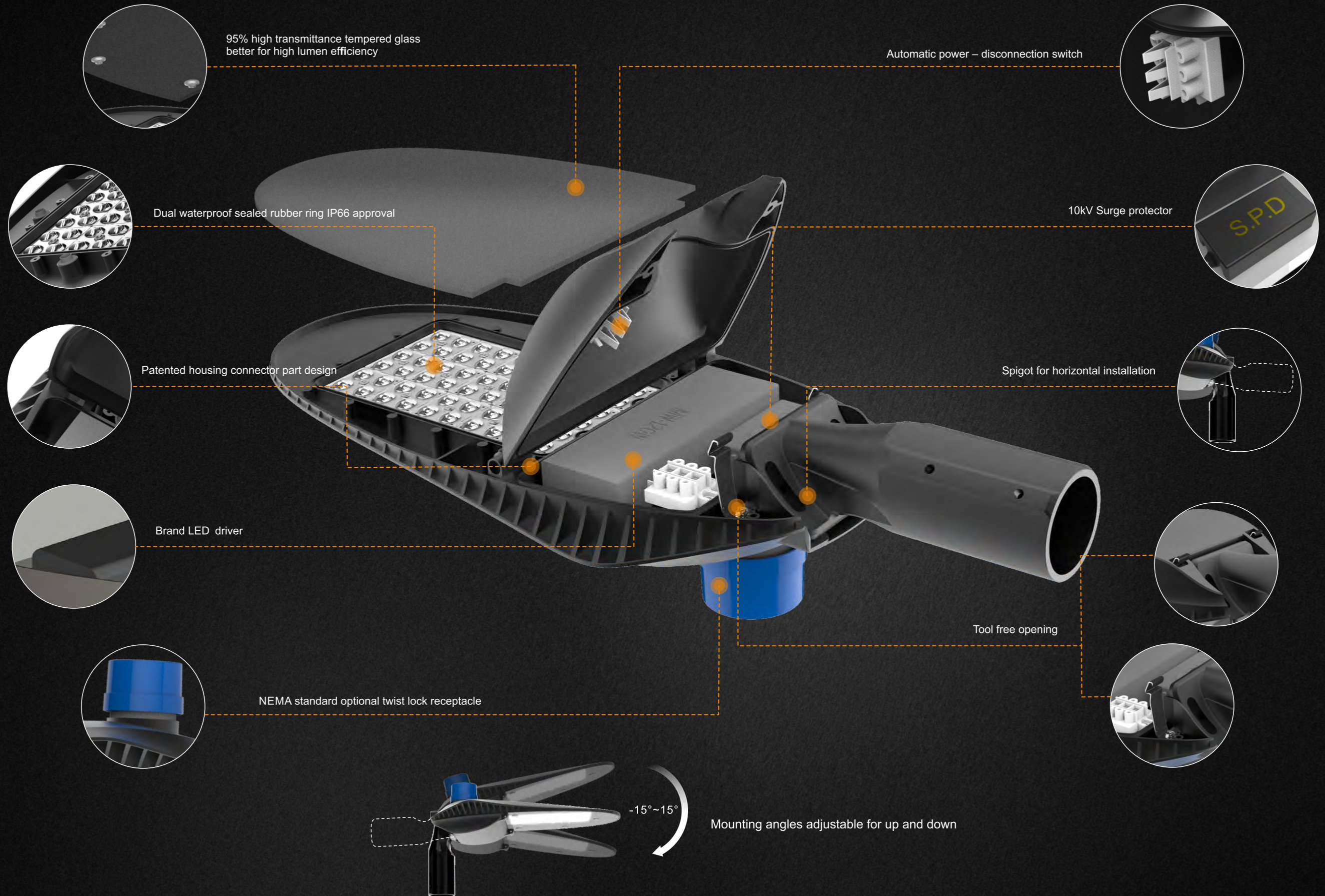
Patented design structure of LED street light





# ORO MICRO, MIDI, MIDI Structure chart

Patented design structure of LED street light

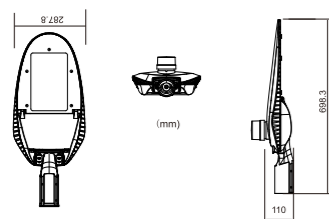
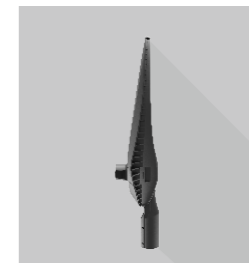




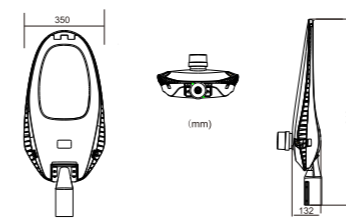
**ORO MIDI / MINI / MICRO**  
LED Street Light



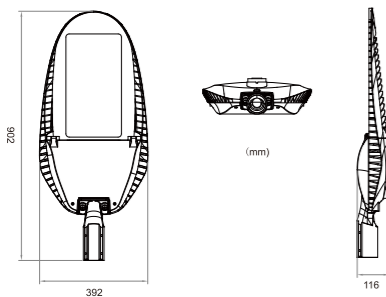
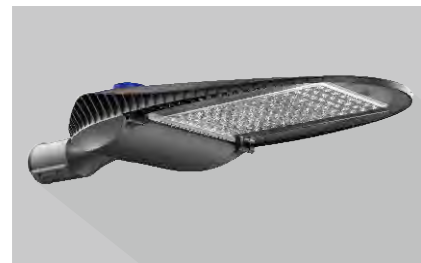
**ORO LARGE**  
LED Street Light



Product	Powerrange	Productsize	N.W.
ORO MICRO	20W-35W	516*196*78mm	2.6kg
ORO MINI	20W-70W	608*244*88mm	4.1kg
ORO MIDI	70W-130W	698*288*110mm	7.1kg



Product	Powerrange	Productsize	N.W.
ORO	70W-150W	818*350*132mm	10.6kg



Product	Powerrange	Productsize	N.W.
ORO MAXI	140W-300W	902*392*116mm	14.5kg

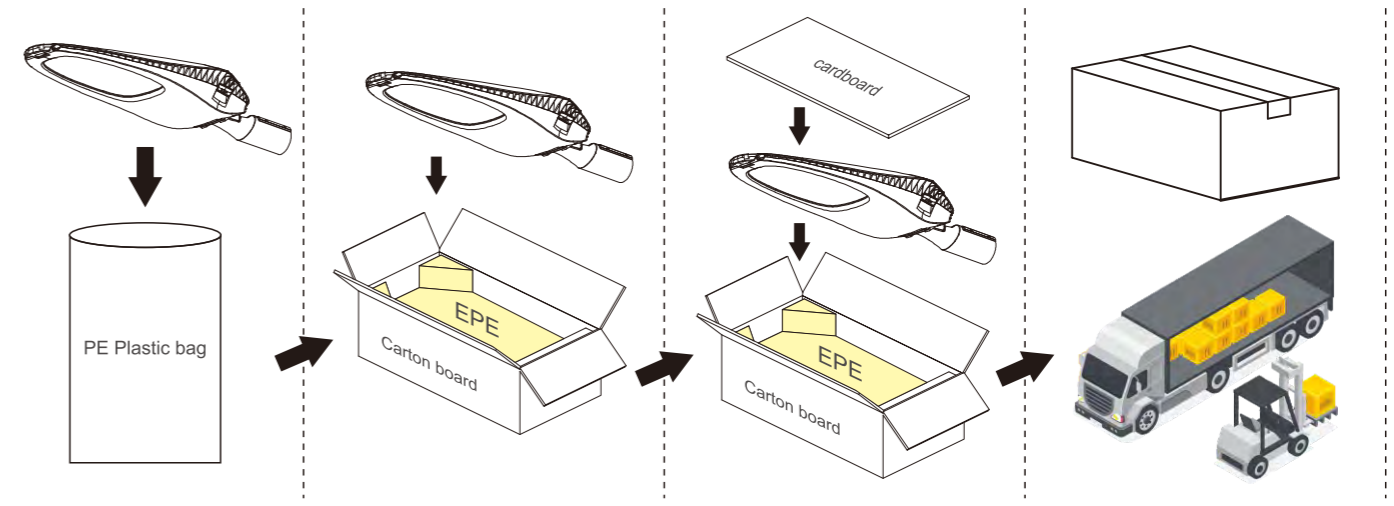
## Technical parameters

Product	Model No.	System Power	Luminous Efficiency	Structure description	Product Size(mm)	Weight(kg)
ORO Micro	MS-ST802020	20W	160-170lm/W	Die-casting aluminum	522*245*76	2.6
ORO Micro	MS-ST803030	30W	160-170lm/W	Die-casting aluminum	522*245*76	2.6
ORO Micro	MS-ST804035	35W	160-170lm/W	Die-casting aluminum	522*245*76	2.6
ORO Mini	MS-ST805020	20W	160-170lm/W	Die-casting aluminum	608*244*88	4.1
ORO Mini	MS-ST806030	30W	160-170lm/W	Die-casting aluminum	608*244*88	4.1
ORO Mini	MS-ST807040	40W	160-170lm/W	Die-casting aluminum	608*244*88	4.1
ORO Mini	MS-ST808050	50W	160-170lm/W	Die-casting aluminum	608*244*88	4.1
ORO Mini	MS-ST809060	60W	160-170lm/W	Die-casting aluminum	608*244*88	4.1
ORO Mini	MS-ST810070	70W	160-170lm/W	Die-casting aluminum	608*244*88	4.1
ORO Midi	MS-ST812080	80W	160-170lm/W	Die-casting aluminum	699*287*112	7.1
ORO Midi	MS-ST813090	90W	160-170lm/W	Die-casting aluminum	699*287*112	7.1
ORO Midi	MS-ST814100	100W	160-170lm/W	Die-casting aluminum	699*287*112	7.1
ORO Midi	MS-ST815110	110W	160-170lm/W	Die-casting aluminum	699*287*112	7.1
ORO Midi	MS-ST816120	120W	160-170lm/W	Die-casting aluminum	699*287*112	7.1
ORO Midi	MS-ST813130	130W	160-170lm/W	Die-casting aluminum	699*287*112	7.1
ORO Large	MS-ST818100	100W	160-170lm/W	Die-casting aluminum	818*350*132	10.6
ORO Large	MS-ST819110	110W	160-170lm/W	Die-casting aluminum	818*350*132	10.6
ORO Large	MS-ST820120	120W	160-170lm/W	Die-casting aluminum	818*350*132	10.6
ORO Large	MS-ST821130	130W	160-170lm/W	Die-casting aluminum	818*350*132	10.6
ORO Large	MS-ST822140	140W	160-170lm/W	Die-casting aluminum	818*350*132	10.6
ORO Large	MS-ST823150	150W	160-170lm/W	Die-casting aluminum	818*350*132	10.6
ORO Large	MS-ST824160	160W	160-170lm/W	Die-casting aluminum	818*350*132	10.6
ORO Large	MS-ST825170	170W	160-170lm/W	Die-casting aluminum	818*350*132	10.6
ORO Maxi	MS-ST1012180	180W	160-170lm/W	Die-casting aluminum	902*392*116	14.5
ORO Maxi	MS-ST1013200	200W	160-170lm/W	Die-casting aluminum	902*392*116	14.5
ORO Maxi	MS-ST1014220	220W	160-170lm/W	Die-casting aluminum	902*392*116	14.5
ORO Maxi	MS-ST1015240	240W	160-170lm/W	Die-casting aluminum	902*392*116	14.5
ORO Maxi	MS-ST1016250	250W	160-170lm/W	Die-casting aluminum	902*392*116	14.5
ORO Maxi	MS-ST1017270	270W	160-170lm/W	Die-casting aluminum	902*392*116	14.5
ORO Maxi	MS-ST1018280	280W	160-170lm/W	Die-casting aluminum	902*392*116	14.5





## Packaging



### ORO MIDI/ MINI/ MICRO

	Luminaire power	Carton size (outer box)(mm)	Qty per carton	Packing volume (outer box)
ORO MICRO	20W-35W	603*288*268	2	0.047
ORO MINI	20W-70W	693*333*335	2	0.077
ORO MIDI	70W-130W	793*383*178	1	0.054

### ORO LARGE

	Luminaire power	Carton size (outer box)(mm)	Qty per carton	Packing volume (outer box)
ORO LARGE	70W-150W	880*400*190	1	0.067

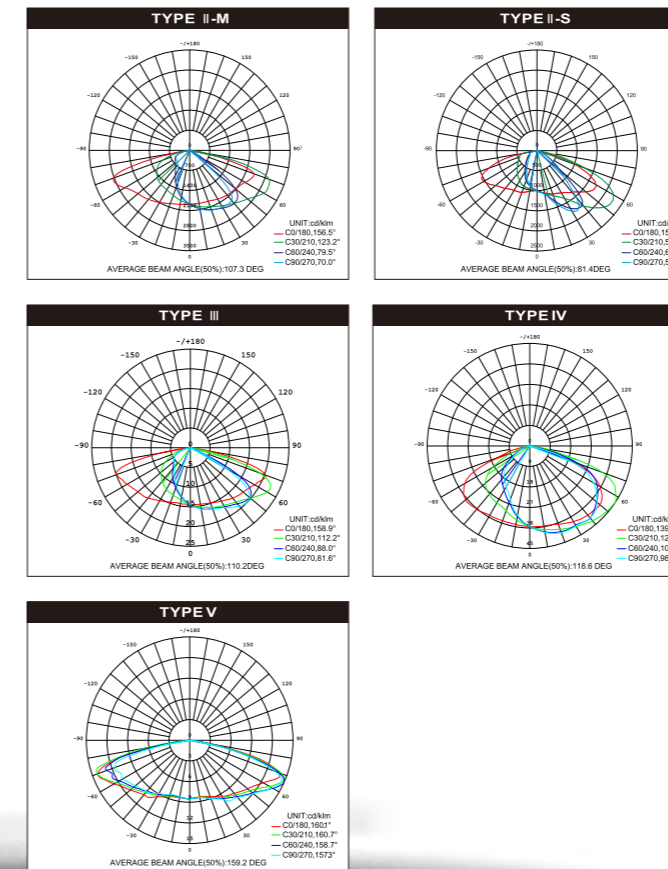
### ORO MAXI

	Luminaire power	Carton size (outer box)(mm)	Qty per carton	Packing volume (outer box)
ORO MAXI	140W-300W	992*452*170	1	0.076

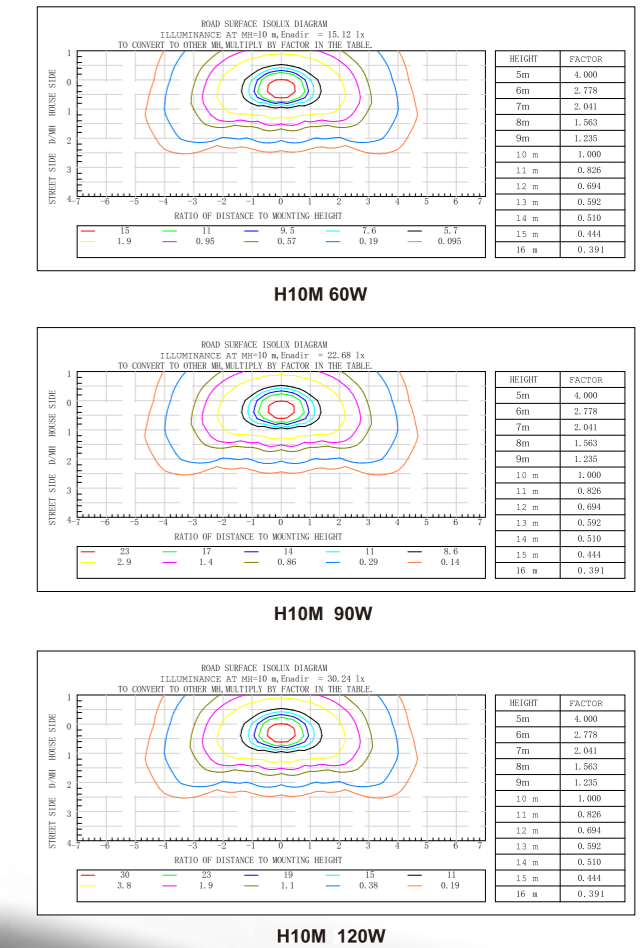
## Photometric datas

LEDs ,Power and Lumen output		
Number of LEDs Neutral white (4000K)	Current: 85mA	
	Lab test lum (lm)	Power consumption (W)
8 LEDs	2600	20
14 LEDs	3900	30
16 LEDs	5400	40
22 LEDs	6750	50
24 LEDs	8100	60
32 LEDs	9100	70
36 LEDs	10400	80
40 LEDs	11700	90
44 LEDs	13000	100
48 LEDs	14300	110
56 LEDs	15600	120
60 LEDs	16900	130
64 LEDs	18200	140
68 LEDs	19500	150
84 LEDs	24300	180
92 LEDs	27000	200
100 LEDs	29700	220
110 LEDs	32400	240
114 LEDs	33750	250
126 LEDs	36450	270
132 LEDs	37800	280

## Light distribution curve



## Isolux curve



## Installation for ORO MICRO MINI MIDI MAXI

**Version for wiring inside of the electric compartment**

**01** Cut off the power

**02** 316 stainless steel screws will be used for products used close to seaside or marine area  
1. elastic sheet to open the compartment.  
2. Line and tighten waterproof joint  
M16 6-9MM  
M20 8-12MM  
M20:23mm  
M16:18mm  
D:5~10mm  
Wire through and tighten the cable gland.

**03** Water proof connector recommended to use.  
N White  
Yellow and Green  
L Black  
N White  
Yellow and Green  
L Black

**04** Elastic sheet to open the compartment.  
Shrapnel  
Screw

**05** Adjust the angel according to marked line.  
One gear teeth is 1.6°  
-15° -10° -5° 0 5 10 15°

**06** 1. Version with photocell, tighten the cap.  
2. Fitting the luminaire, adjust the horizontal level.  
gradienter  
bubble  
D:5~10mm

**07** Torque setting to be applied to any bolts or screw: 8.0N.M  
Insert the plug into socket

**08** Turn on the power

**Version with extension cable, cable wiring.**

**01** Cut off the power

**02** Adjust the angel according to marked line.  
One gear teeth is 1.6°  
-15° -10° -5° 0 5 10 15°

**03** Water proof connector recommended to use.  
N White  
Yellow and Green  
L Black  
N White  
Yellow and Green  
L Black  
D:5~10mm

**04** 1. Version with photocell, tighten the cap.  
2. Fitting the luminaire, adjust the horizontal level.  
gradienter  
bubble  
D:5~10mm

**05** Torque setting to be applied to any bolts or screw: 8.0N.M  
Tighten the screw

**06** Turn on the power

**Wiring for waterproof cable connector.**

**2a** 220-240V

**2b** 220-240V

**2c** 220-240V

min Ø 5 max Ø 13  
max 3x2.5mm<sup>2</sup>

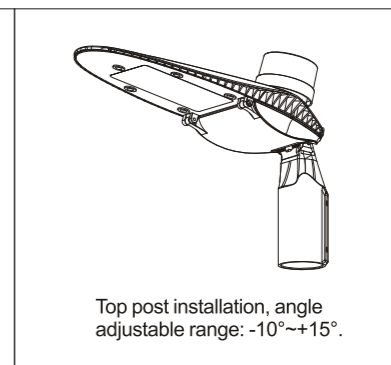
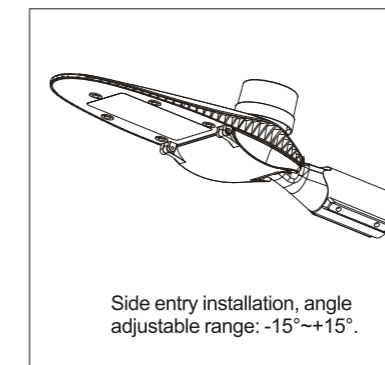
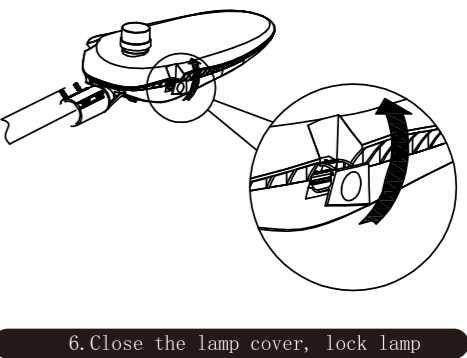
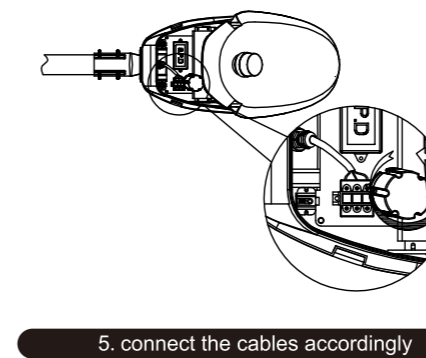
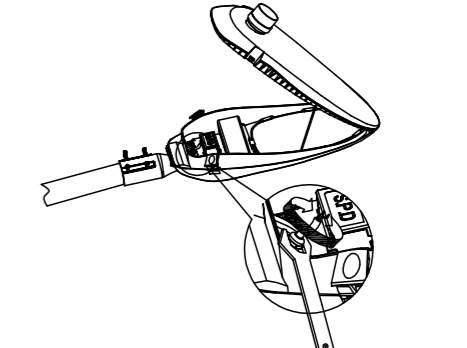
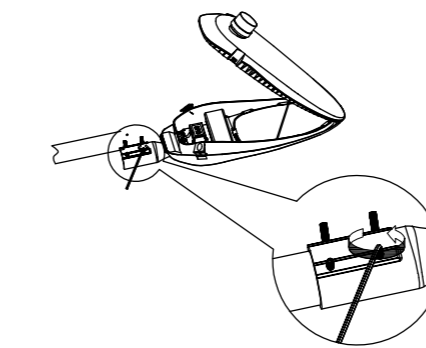
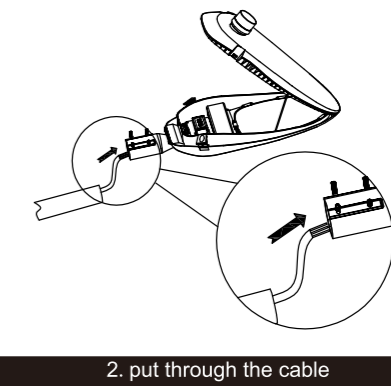
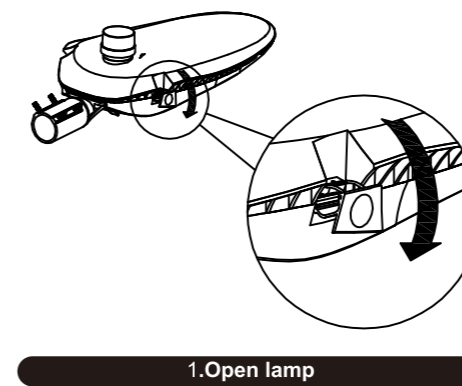
min Ø 5 max Ø 13  
max 2x2.5mm<sup>2</sup>

25  
5

⊕ ⊖

## Installation for ORO LRAGE

1. Open the packing to check if the product is consistent with the demand, whether product surface is intact and the function meets with the requirement.
2. Install the fixture according to the instructions as follows.





*We believe in light*

