



RRS-608T

# SOLAR COURTYARD LIGHT

## MATERIAL AND PERFORMANCE

Photovoltaic modules use 18V monocrystalline silicon 182 cells, each power design greater than 1.5 times of the whole lamp power. It can meet actual charging needs and provide users with a more convenient, efficient and energy-saving lighting environment.

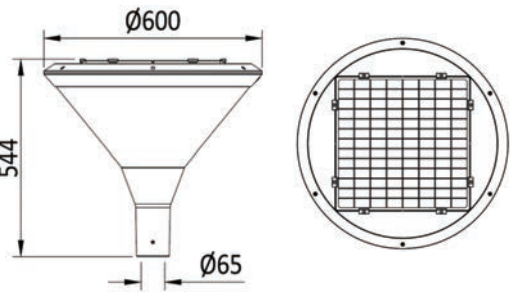
Equipped with infrared sensing system, sensitive to dynamic and static work, it can be set according to the time period in the first half of the night and the second half of the night to control the rate use of dynamic and static luminance, which is energysaving and environmentally friendly.

Use 12.8V lithium iron phosphate battery, all battery cells are new A-grade. When each power is fully charged, the sufficient power can be used for more than 10 hours or can beused for 2- 3 days in different time periods.

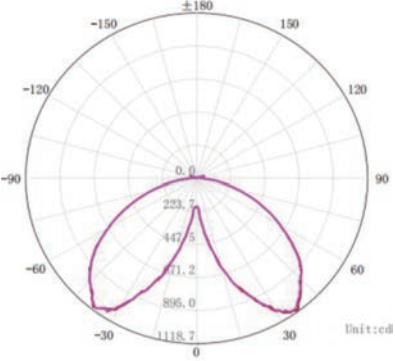
The maximum luminous efficiency of the lamp is 140LM/W, and the luminous flux is more than 20% greater than ordinary LEDs with the same power. Efficiency achieves 100%. Housing is made of ADC12 aluminium die casting; lamp housing is phosphated and dried in the oven at a high temperature of 150 degrees;housing powder coated with Akzo Nobel brand pigment prevents corrosion strongly.



## PRODUCT DEMENSION DRAWING

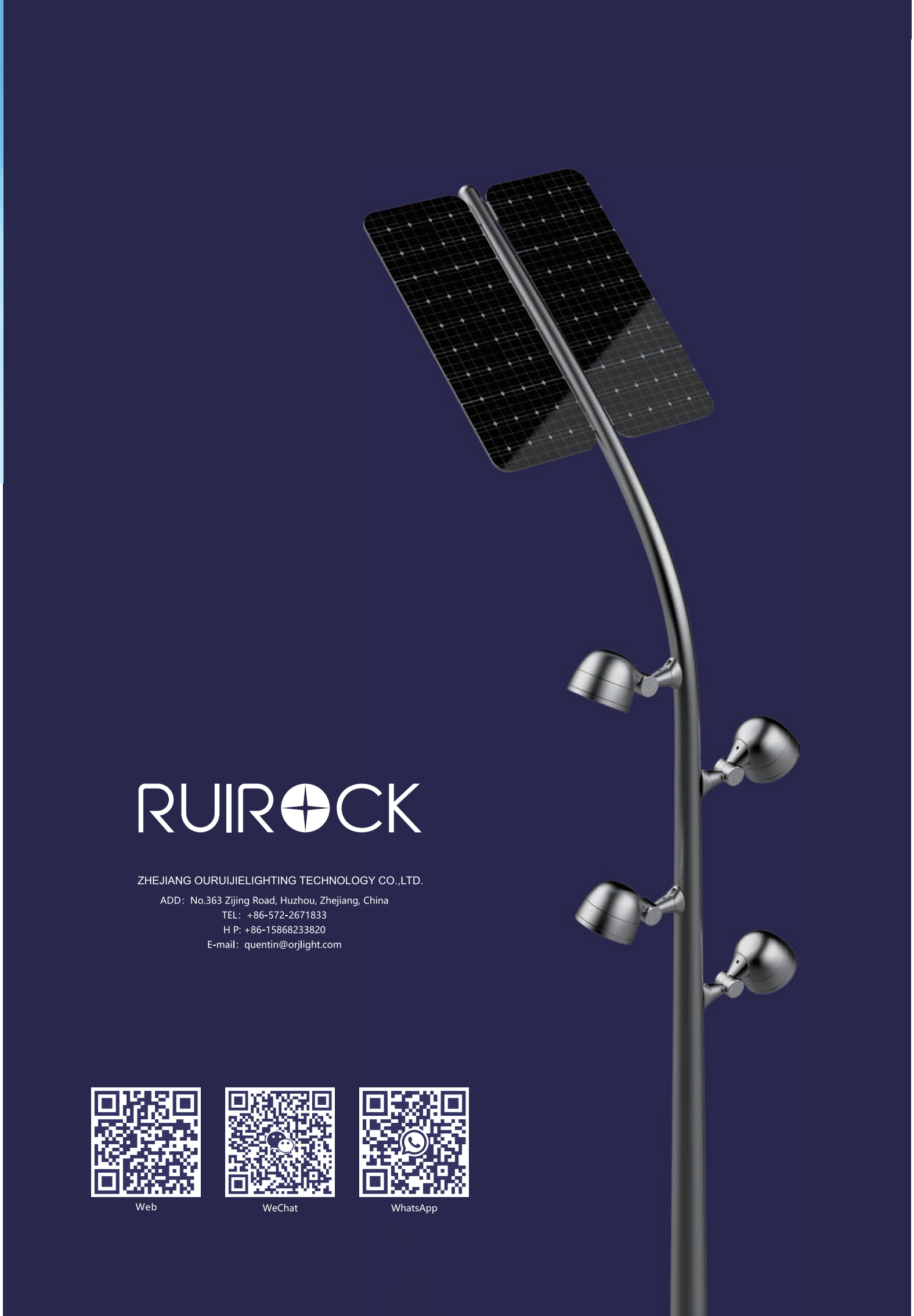


## BEAM ANGLE



TYPE III

Power: 20W  
CCT:2700-6000k  
PV module : 30W  
System voltage: 12.8V  
IP Grade: IP66  
IK Grade: IK08  
Operating environment: -20° to +60° Efficacy: 150LM/W  
Beam Angle: Type III  
Charging time: 6-8 hours



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ZHEJIANG OURUIJIELIGHTING TECHNOLOGY CO.,LTD.  
ADD: No.363 Zijiang Road, Huzhou, Zhejiang, China  
TEL: +86-572-2671833  
H P: +86-15868233820  
E-mail: quentin@orjlight.com



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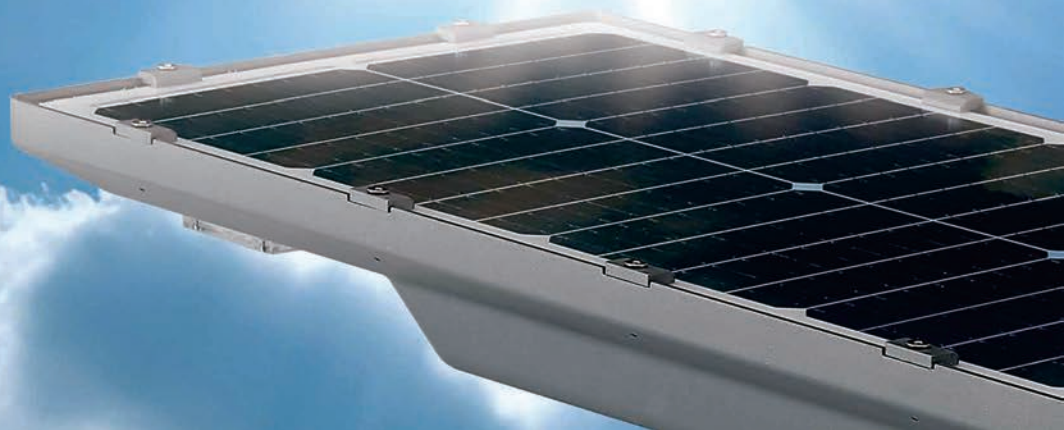
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# SOLAR STREET LIGHT

RRS-S



## PRODUCT SPECIFICATIONS

Power: 20W 30W 40W 50W 60W  
CCT: 2700-6000k  
System voltage: 12.8V  
IP Grade: IP66  
IK Grade: IK08  
Operating environment: -20°to +60°  
Efficacy: 180LM/W  
Beam Angle: Type II  
Charging time: 6-8 hours

## PRODUCT FEATURE

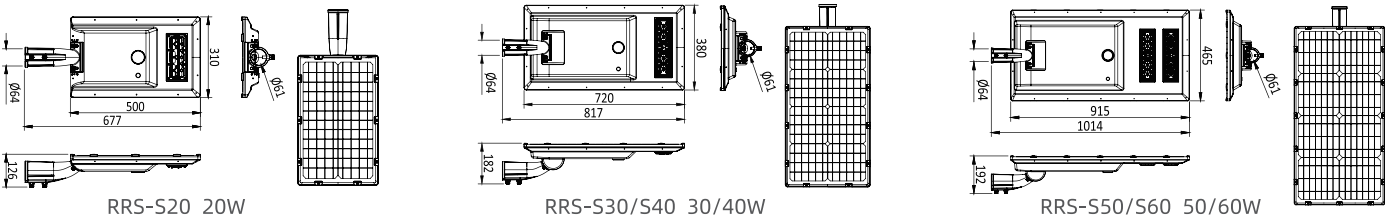
- 1.Energy saving: Solar photoelectric converts to electrical energy, which is inexhaustible.
- 2.Environmental protection: no pollution, no noise, no radiation.
- 3.Safety: Insulate against electric shock, fire and other accidents.
- 4.Convenient: Easy to install. no cables or groundbreaking required.
- 5.Long life: The product has high technological content, the control system and accessories are all international brands, intelligent design, reliable quality, more than 4000 times(0.2C cycle, normal temperature, capacity retention rate: 85%).
- 6.Investment:one-time investment, long-term use, no substation, no control box, no cables, no engineering costs, etc...



## CONTROL PARAMETERS OF TIME PERIOD

| Power  | Battery Capacity | PV Panel Power | Working Time | Dynamic Luminance | Luminous Flux | Static Luminance | Luminous Flux | Packing size (cm) | N.W (kg) | G.W (kg) | Volume (M³) |
|--------|------------------|----------------|--------------|-------------------|---------------|------------------|---------------|-------------------|----------|----------|-------------|
| 20W    | 12Ah             | 27W            | 2h           | 100%              | 3600lm        | 30%              | 1100lm        | 69x32.5x14        | 3.6      | 5.1      | 0.031       |
|        |                  |                | 4h           | 50%               | 1800lm        | 20%              | 750lm         |                   |          |          |             |
|        |                  |                | 6h           | 30%               | 1100lm        | 10%              | 380lm         |                   |          |          |             |
| 30/40W | 24Ah             | 45W            | 2h           | 100%              | 5400lm        | 30%              | 1650lm        | 85x41x22          | 5.2      | 7.3      | 0.0766      |
|        |                  |                | 4h           | 50%               | 2700lm        | 20%              | 1100lm        |                   |          |          |             |
|        |                  |                | 6h           | 30%               | 1650lm        | 10%              | 550lm         |                   |          |          |             |
| 50/60W | 36Ah             | 75W            | 2h           | 100%              | 9000lm        | 30%              | 2700lm        | 105x50x22.5       | 7.8      | 11.2     | 0.12        |
|        |                  |                | 4h           | 50%               | 4500lm        | 20%              | 1800lm        |                   |          |          |             |
|        |                  |                | 6h           | 30%               | 2700lm        | 10%              | 900lm         |                   |          |          |             |

## PRODUCT DEMENSION DRAWING



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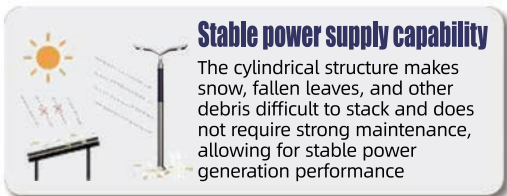
lighting function

RRS-F30T



### No wiring required

No need for wiring cables, simple and convenient installation



### Stable power supply capability

The cylindrical structure makes snow, fallen leaves, and other debris difficult to stack and does not require strong maintenance, allowing for stable power generation performance



### Strong compressive strength

Strong wind and pressure resistance, waterproof performance



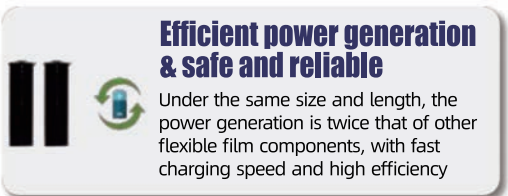
lighting function

RRS-F30S



### Intelligent lamp post

Scalable 5G base stations, cameras, and other smart devicesCapable of combining various applications of rods



### Efficient power generation & safe and reliable

Under the same size and length, the power generation is twice that of other flexible film components, with fast charging speed and high efficiency



### Small space occupation

Small space occupation, beautiful and stylish appearance, and strong sense of technology

| LED LAMP HEAD | texture of material      | Aluminium                                    |
|---------------|--------------------------|----------------------------------------------|
|               | Power                    | 30W                                          |
|               | Color temperature        | 4000K                                        |
|               | Light effect             | 140LM/W                                      |
|               | Whole lamp luminous flux | 4200LM                                       |
|               | Color rendering index    | Ra≥70                                        |
| POLE          | External dimensions      | Φ210×1000mm/1200mm/1500mm                    |
|               | texture of material      | Q235 (iron) / 6061 (aluminum)                |
|               | surface treatment        | Hot dip galvanizing / electrostatic spraying |

Human body infrared sensing/light control/time control;  
Light up for 8 hours, full power for the first 4 hours, half power for the last 4 hours, sustainable for 3 rainy days

# Flexible Solar Light

## MOONLIGHT CUP GARDEN LIGHT

This type of light is mainly used in wide villa gardens, parking areas, parks and squares, residential scenic spots, villa courtyards, and modern architectural lighting environments. Side illumination effect, the lamp is suitable for installation at a height of 3-6 meters

S5018



High lumen 3030 chip



Monocrystalline Silicon solar panel



PC optical lens



LiFePO<sub>4</sub> battery



Button type waterproof switch



Thickened die cast aluminum lamp body

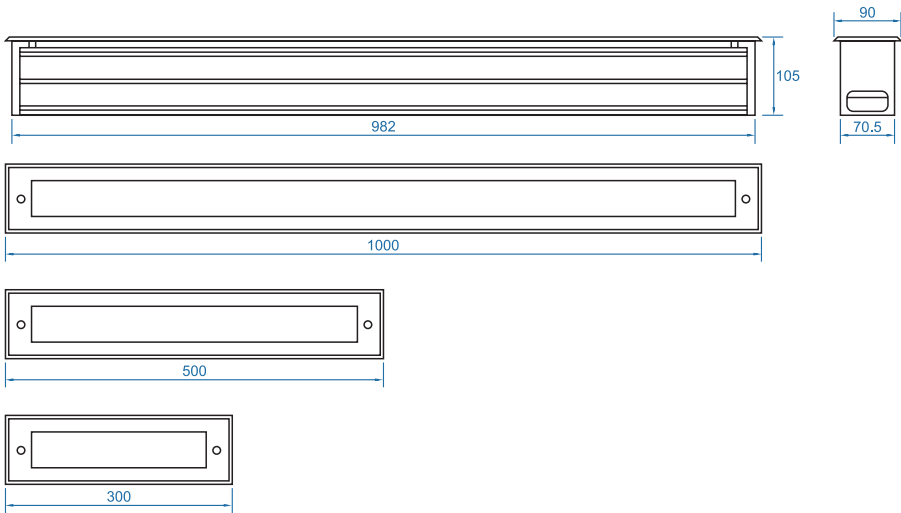
| Product Model           | RRS-S5018/D5018                            |
|-------------------------|--------------------------------------------|
| Solar panel             | 5V/25W                                     |
| Number of light sources | 100 LED beads                              |
| Luminous color          | Positive white light / warm white light    |
| Texture of material     | Die cast aluminum, PC lens                 |
| Battery                 | 3.2V/36000mAh                              |
| Appearance color        | Sand black                                 |
| Scope of application    | Courtyard   Villa   Park   Community   etc |



# RLD



- Chip: Bridgelux / CREE
- CCT: 3000K / 4000K / 6000K / RGBW
- Material: Stainless Steel 304 Cover+Aluminum Body+Aluminum Embedded Part+Tempered Glass (clear or frosted)
- Input Voltage: 12V / 24V / 220-240V 50~60Hz



## TECHNICAL PARAMETER

| Model   | Lamp Size (mm) | Power  | Hole Size (mm) | N.W (kg) | Packing Size       | Angle (lens)       |
|---------|----------------|--------|----------------|----------|--------------------|--------------------|
| RLD-005 | L1000×90×H105  | 18/24W | L985×80×H110   | 6        | 103.5×25×23cm/4pcs | 10/15/30/45/60/90° |
| RLD-002 | L500×90×H105   | 10W    | L485×80×H110   | 3.5      | 53×25×34cm/6pcs    |                    |
| RLD-001 | L300×90×H105   | 5W     | L285×80×H110   | 2.2      | 33×25×46cm/8pcs    |                    |



ZHEJIANG OURUIJIELIGHTING TECHNOLOGY CO.,LTD.  
ADD: No.363 Zijjing Road, Huzhou, Zhejiang, China  
TEL: +86-572-2671833  
H P: +86-15868233820  
E-mail: quentin@orilight.com



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## RRCD130

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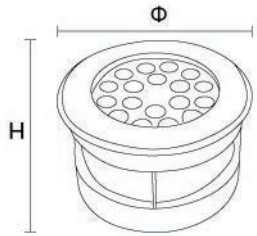
## RRKT260

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## RRD



RRD-210S



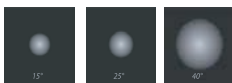
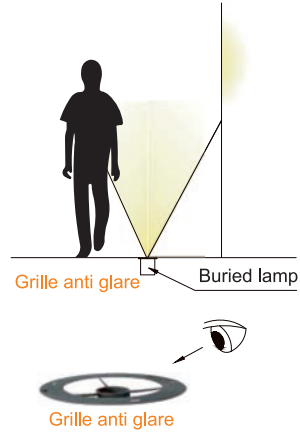
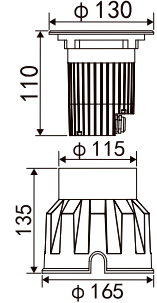
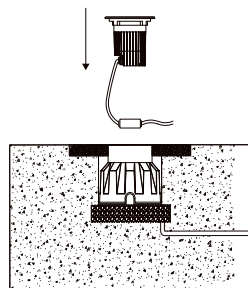
- Chip: CREE XPE
- CCT: 3000K / 4000K / 6000K / R / G / B
- Material: Stainless steel cover, Aluminum body, Tempered glass  
(Clear / Frosted) ABS box
- Input Voltage: 12V / 24V / 220-240V 50~60Hz



Cable Moisture  
Insulation Kit

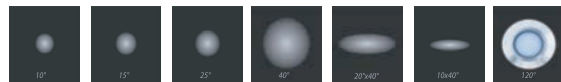
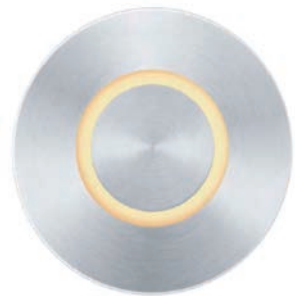
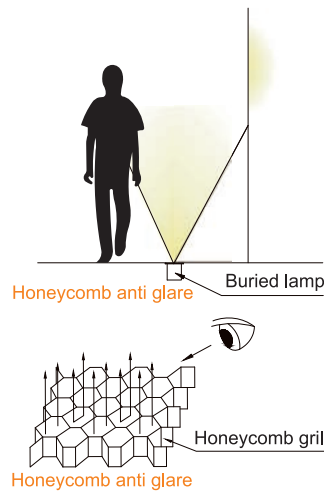
### TECHNICAL PARAMETER

| Model    | Size (mm) |     | Power | Hole Size (mm) | N.W (kg) | Packing Size        | Angle (Reflector) |
|----------|-----------|-----|-------|----------------|----------|---------------------|-------------------|
|          | Φ         | H   |       |                |          |                     |                   |
| RRD-100S | 100       | 130 | 3×2W  | Φ92×H140       | 0.85     | 45×45×35.5cm/18pcs  | 6/15/30/45/60°    |
| RRD-130S | 130       | 130 | 6×2W  | Φ121×H135      | 1.3      | 53×36×35.5cm/12pcs  |                   |
| RRD-160S | 160       | 140 | 9×2W  | Φ145×H145      | 2        | 40×40×38cm/8pcs     |                   |
| RRD-180S | 180       | 145 | 12×2W | Φ167×H150      | 2.5      | 51.5×35×48cm/8pcs   |                   |
| RRD-210S | 210       | 130 | 18×2W | Φ195×H140      | 2.7      | 52.5×27×35.5cm/4pcs |                   |
| RRD-260S | 260       | 155 | 24×2W | Φ241×H160      | 5.2      | 66.5×34×46.5cm/4pcs |                   |

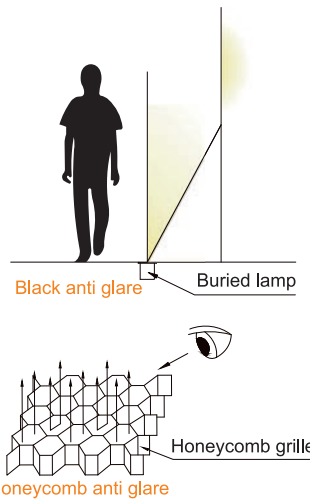
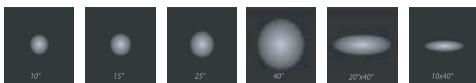


| TECHNICAL PARAMETER |           |       |               |                   |                  |                 |
|---------------------|-----------|-------|---------------|-------------------|------------------|-----------------|
| Model               | Size (mm) | Power | luminous flux | Color temperature | Control mode     | Angle           |
| RRCD130.23.7        | Φ130      | 7W    | 830 lm        | 2200-6000K        | ON/OFF 1-10V DMX | 15°/25°/40°/60° |
| RRCD130.23.12       | Φ130      | 12W   | 993 lm        | 2200-6000K        | ON/OFF 1-10V DMX |                 |

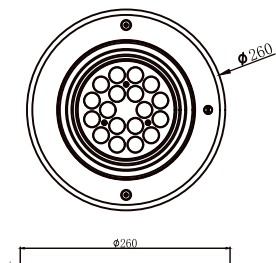
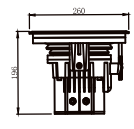
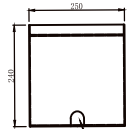
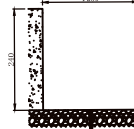
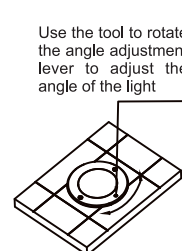
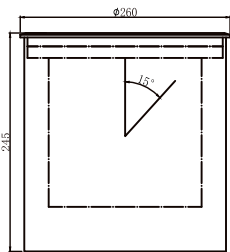
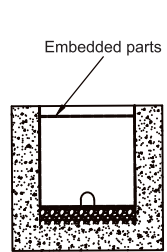
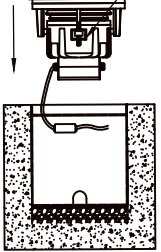
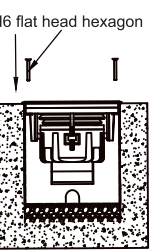
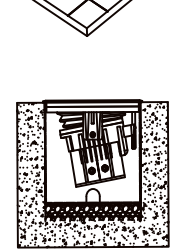
## RRMD60A RRYH60



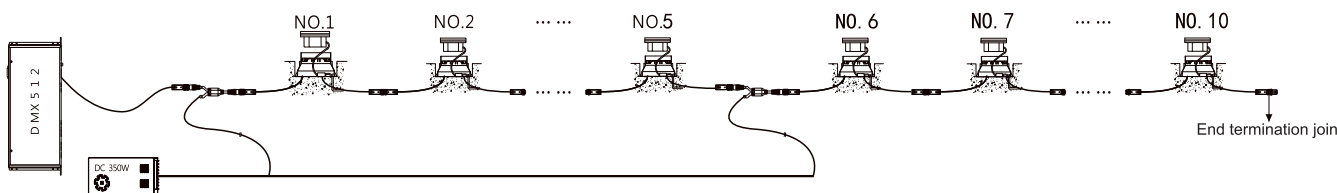
| TECHNICAL PARAMETER |           |       |               |                   |                  |                        |
|---------------------|-----------|-------|---------------|-------------------|------------------|------------------------|
| Model               | Size (mm) | Power | luminous flux | Color temperature | Control mode     | Angle                  |
| RRMD60A.21.1        | Φ60       | 1W    | 87 lm         | 2200-6000K        | ON/OFF 1-10V DMX | 10/20/30/60/20×40/120° |
| RRMD60A.21.3        | Φ60       | 3W    | 132 lm        | 2200-6000K        | ON/OFF 1-10V DMX | 10/15/40/60/20×40/120° |
| RRYH60.41.03        | Φ60       | 0.3W  | 28 lm         | 2200-6000K        | ON/OFF 1-10V DMX | 120°                   |
| RRYH60.21.1         | Φ60       | 1W    | 49 lm         | 2200-6000K        | ON/OFF 1-10V DMX | 120°                   |



| TECHNICAL PARAMETER |           |       |                             |                   |                  |                       |
|---------------------|-----------|-------|-----------------------------|-------------------|------------------|-----------------------|
| Model               | Size (mm) | Power | luminous flux               | Color temperature | Control mode     | Angle                 |
| RRKT260.21.18       | Φ260      | 18W   | 1245 lm                     | 2200-6000K        | ON/OFF 1-10V DMX | 10/25/40/60/20×40°    |
|                     |           | 36W   | R625/G525/B475 /W3000-6000K | RGB / RGBW        | DMX / RMD        | 10/20/30/60/20×40°    |
| RRKT260.22.36       | Φ260      | 18W   | 1245 lm                     | 2200-6000K        | ON/OFF 1-10V DMX | 10/15/20/40/60/20×40° |
|                     |           | 36W   | R625/G525/B475 /W3000-6000K | RGB / RGBW        | DMX / RMD        | 10/20/30/60/20×40°    |



### SCHEMATIC DIAGRAM OF SYSTEM SERIAL CONNECTION



1. The power and control lines are for reference only, and the actual situation shall be subject to on-site integration;
2. For product specification updates or customization needs, please contact our sales engineers and use document format as the standard basis;
3. The distance between buried lamps is not suitable for male and female head wiring.