



## RA365 GEN 3 INTEGRATED SOLAR LED STREET LIGHT



### LUMINAIRE SPECIFICATIONS

- Power60W  
80W  
120W
- Fitting MaterialDie Cast Aluminium
- Fitting ColorRAL 9006
- Ingress ProtectionIP66
- Impact ProtectionIK08
- Voltage24Vdc
- Operating Temperature-20 ~ +50°C
- Beam AngleType II
- InstallationØ60 mm Pole  
Post Top, 0° - 25° Tilting

### LED MODULE SPECIFICATIONS

- LED Chips5050
- Color Temperature3000K (Other CCT Upon Request)
- Color Rendering IndexRA >70
- L7050,000 Hrs

### SYSTEM SPECIFICATIONS

- Solar Panel TypeMono Crystalline
- Solar Panel Capacity1 x 36V 145W  
1 x 39V 250W
- Backup Time2 Days (Pre Set Time Profile)
- Charge ControllerMPPT Charging  
Overheat Protection  
Output Short Circuit Protection
- BatteryLithium-Iron Phosphate 25.6V 48Ah  
Lithium-Iron Phosphate 25.6V 64Ah  
Lithium-Iron Phosphate 25.6V 100Ah

| TIME PROFILE       |                         |                 |
|--------------------|-------------------------|-----------------|
| WATTAGE            | TIME DURATION OF 12 HRS | DIMMING PROFILE |
| 60W, 80W<br>& 120W | 4hrs                    | 100%            |
|                    | 2hrs                    | 60%             |
|                    | 6hrs                    | 40%             |

### FEATURES

- Stable Photo-electric Conversion Efficiency
- Advanced Diffuse Technology
- More Safety, Long Lifespan, more than 2000 Cycles (Battery)
- Micro Current Charging Function
- Convenient Maintenance
- Membrane For Pressure Stabilize
- Adjustable Angle Of Solar Panel
- Operate By On / Off Switch

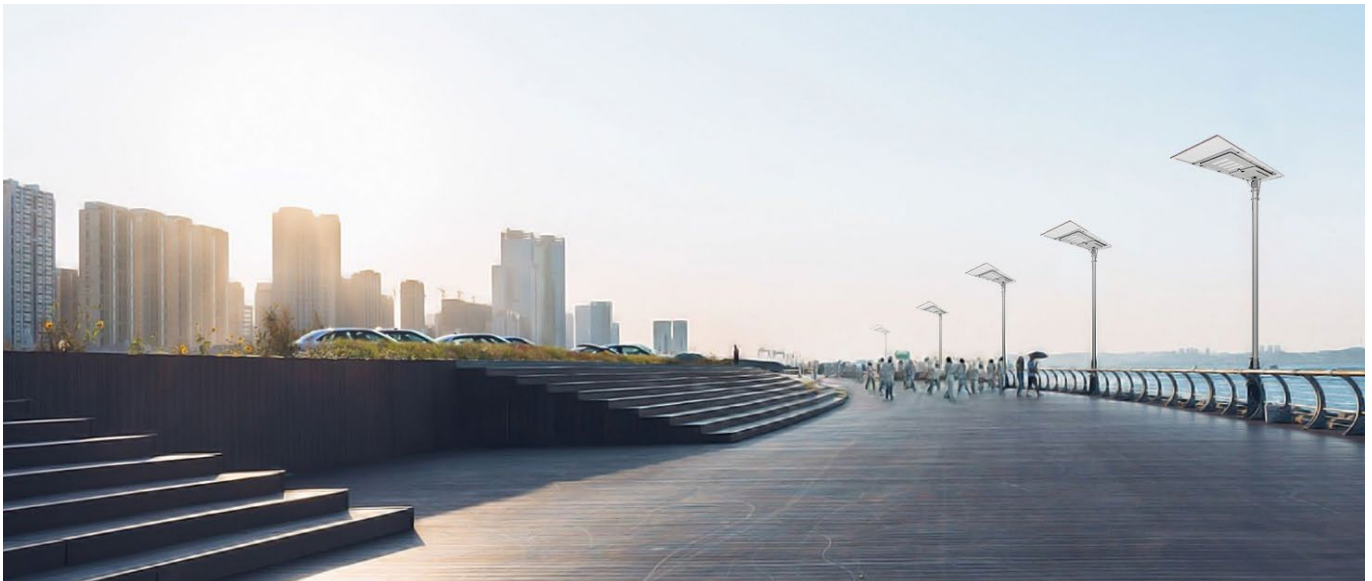


### APPLICATION

- Residential Areas, Parking Lots, Parks, Security Needs, Aquacultures & Agricultures Lightings

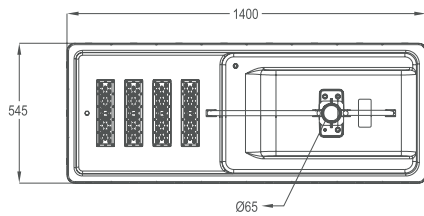
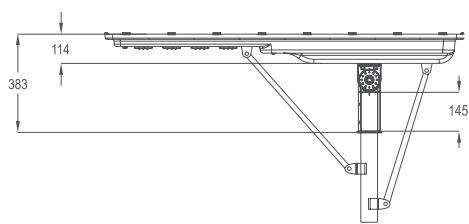
### MEASUREMENT & ORDER CODE

| WATTAGE | ORDER CODE | LUMEN | EFFICACY | SOLAR PANEL CAPACITY | LITHIUM-ION | NO. OF MODULES | NETT WEIGHT | GROSS WEIGHT |
|---------|------------|-------|----------|----------------------|-------------|----------------|-------------|--------------|
| 60W     | RA36560    | 11400 | 190 lm/w | 1 X 36V 145W         | 25.6V 48Ah  | 4              | 37.1 kg     | 41.5 kg      |
| 80W     | RA36580    | 15200 | 190 lm/w | 1 X 36V 145W         | 25.6V 64Ah  | 4              | 40.9 kg     | 44.5 kg      |
| 120W    | RA365120   | 22800 | 190 lm/w | 1 x 39V 250W         | 25.6V 100Ah | 4              | 55.5 kg     | 62.5 kg      |

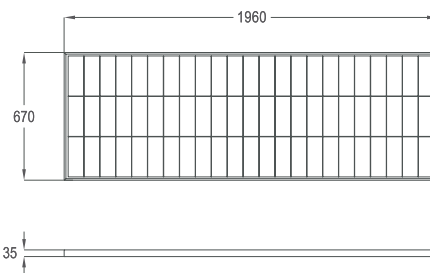
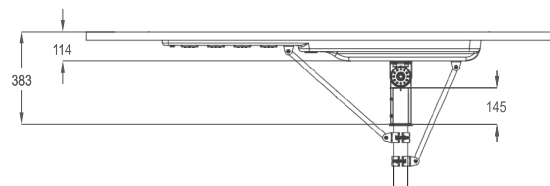


## DIMENSION

RA36560 / RA36580

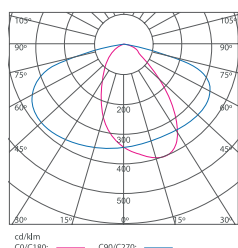


RA365120

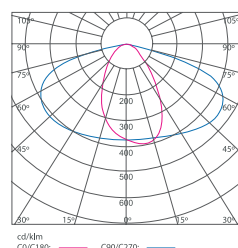


## PHOTOMETRIC

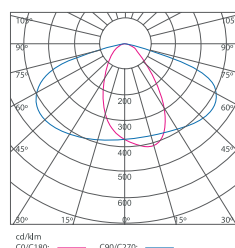
60W



80W



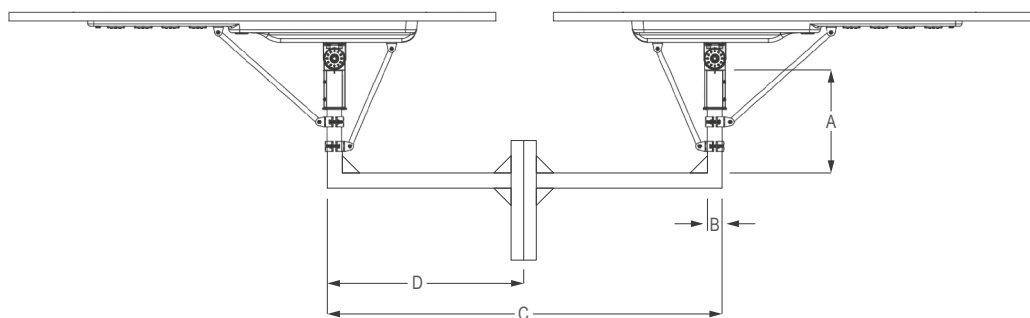
120W



Note: All specifications are subject to change without prior notice for product improvement. Images, pictures and illustrations used are for illustrative purposes only and the color printed may differ from the actual product.

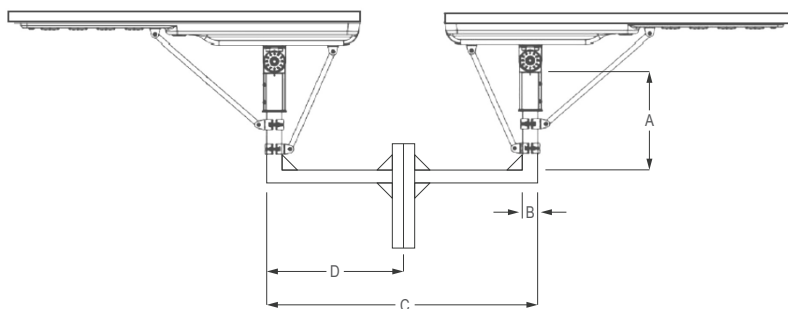
Note 2: The above RA365 GEN 3 Integrated Solar LED street light specification fullfil JKR L-S20 requirement.

## DOUBLE ARM POLE INSTALLATION



### RA365 GEN 3 120W

| TILTING ANGLE (°) | A (mm) | B (mm) | C (mm) | D (mm) |
|-------------------|--------|--------|--------|--------|
| 0                 | 520    | Ø60    | 1591   | 796    |
| 10                | 520    | Ø60    | 1591   | 796    |
| 20                | 520    | Ø60    | 1591   | 796    |
| 30                | 620    | Ø60    | 1591   | 796    |



### RA365 GEN 3 60W & 80W

| TILTING ANGLE (°) | A (mm) | B (mm) | C (mm) | D (mm) |
|-------------------|--------|--------|--------|--------|
| 0                 | 520    | Ø60    | 892    | 446    |
| 10                | 520    | Ø60    | 892    | 446    |
| 20                | 520    | Ø60    | 892    | 446    |
| 30                | 620    | Ø60    | 892    | 446    |

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