



LUMINAIRE SPECIFICATIONS

- **Power** 30W
60W
80W
120W
- **Fitting Material** Die-Cast Aluminium
- **Fitting Color** RAL 9006
- **Ingress Protection** IP66
- **Impact Protection** IK08
- **Voltage** 12Vdc & 24Vdc
- **Operating Temperature** -20 ~ +50°C
- **Beam Angle** Type II
- **Sensor** Microwave Motion Detection
Up To 10m Distance
(For 30W, 60W, & 80W Only)
- **Installation** Ø48 - 60 mm Pole
Side Entry, 0° Tilting (For 30W only)
Post Top, 0° - 25° Tilting (For 30W,
60W, 80W & 120W)

LED MODULE SPECIFICATIONS

- **LED Chips** 5050
- **Color Temperature** 5000K (Other CCT Upon Request)
- **Color Rendering Index** RA >70
- **L70** 100,000 Hrs @ 25°C

MEASUREMENT & ORDER CODE

WATTAGE	ORDER CODE	LUMEN	EFFICACY	SOLAR PANEL CAPACITY	LITHIUM-ION	NO. OF MODULES	NETT WEIGHT	GROSS WEIGHT	CARTON DIMENSION (L x W x H) mm
30W	RA36530	5100	170 lm/w	18V 50W	12.8V 21Ah	1	10.0 kg	12.5 kg	735 x 420 x 128
60W	RA36560	10200	170 lm/w	18V 95W	12.8V 44.8Ah	2	19.5 kg	24.0 kg	1198 x 585 x 135
80W	RA36580	13600	170 lm/w	18V 95W	12.8V 51Ah	2	20.5 kg	25.0 kg	1198 x 585 x 135
120W	RA365120	20400	170 lm/w	36V 145W	25.6V 45Ah	4	37.5 kg	43.5 kg	1420 x 560 x 190

SYSTEM SPECIFICATIONS

- **Solar Panel Type** Mono Crystalline
- **Solar Panel Capacity** 18V 50W (30W)
18V 95W (60W)
18V 95W (80W)
36V 145W (120W)
- **Backup Time** 2 Days (Pre Set Time Profile)
- **Charge Controller** MPPT Charging
Overheat Protection
Output Short Circuit Protection
- **Battery** Lithium-Iron Phosphate 12.8V 21Ah (30W)
Lithium-Iron Phosphate 12.8V 44.8Ah (60W)
Lithium-Iron Phosphate 12.8V 51Ah (80W)
Lithium-Iron Phosphate 25.6V 45Ah (120W)

TIME PROFILE			
WATTAGE	TIME DURATION OF 12 HRS	MOTION DETECTION	
		YES	NO
30W, 60W & 80W	4hrs	100%	30%
	5hrs	55%	
	3hrs	70%	
WATTAGE	TIME DURATION OF 12 HRS	DIMMING PROFILE	
120W	4hrs	100%	
	6hrs	30%	
	2hrs	70%	

- The charging performance and operating autonomy of the solar LED lighting system depends on site installation conditions and the availability of adequate sunlight exposure to the solar panel. Locations with insufficient sunlight may result in reduced battery charging efficiency and shortened operating duration.

FEATURES

- Stable photo-electric conversion efficiency
- Advanced diffuse technology
- Longer lifespan, more than 2000 cycles (battery)
- Micro current charging function
- Adjusted 360° angle rotation
- Membrane for pressure stabilize
- Adjustable angle of solar panel
- Easy maintenance
- Operate with an on / off switch



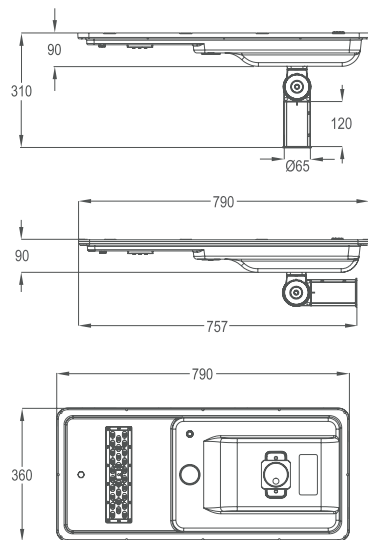
APPLICATION

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

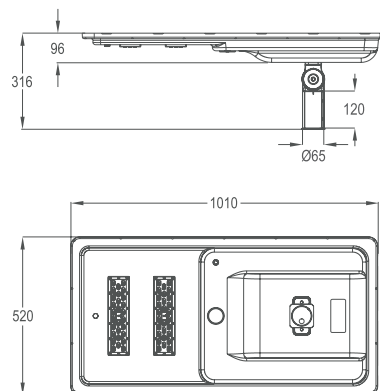


DIMENSION

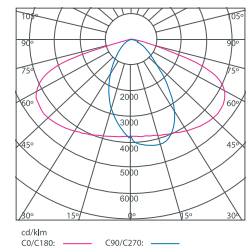
RA36530



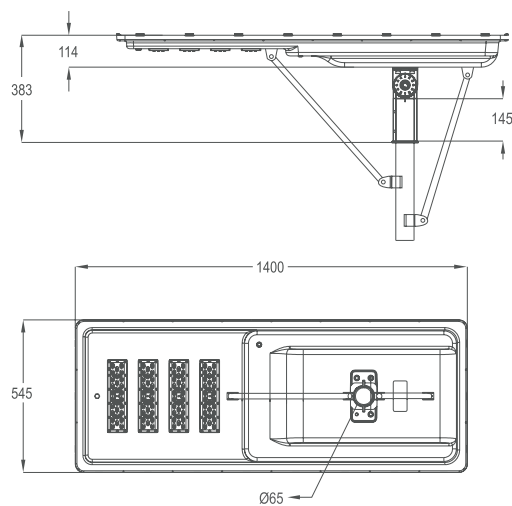
RA36560 / RA36580



PHOTOMETRIC



RA365120



Note: All specifications are subject to change without prior notice for product improvement. Images are for illustrative purposes only.



TILTING ANGLE (°)	A (mm)	B (mm)	C (mm)	D (mm)
0	520	060	892	446
10	520	060	892	446
20	520	060	892	446
30	620	060	892	446

RA365 GEN 2 60W / 80W

TILTING ANGLE (°)	A (mm)	B (mm)	C (mm)	D (mm)
0	200	060	672	336
10	200	060	672	336
20	200	060	672	336
30	200	060	672	336

RA365 GEN 2 30W

TILTING ANGLE (°)	A (mm)	B (mm)	C (mm)	D (mm)
0	200	060	552	276
10	200	060	552	276
20	200	060	552	276
30	200	060	552	276