



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%	

- Solar LED performance and autonomy depend on installation site and sunlight. Insufficient sunlight may reduce charging efficiency and operating time.

FEATURES

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



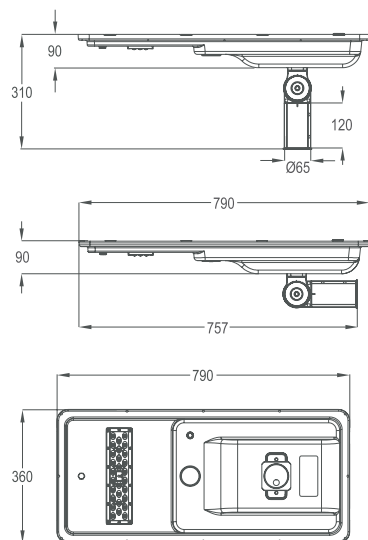
APPLICATION

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

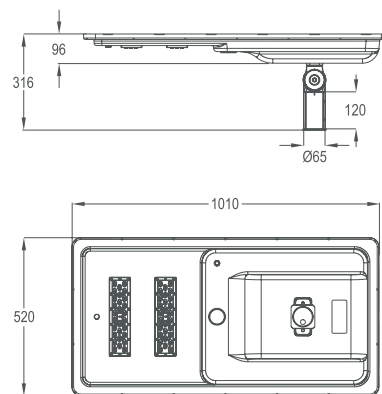


DIMENSION

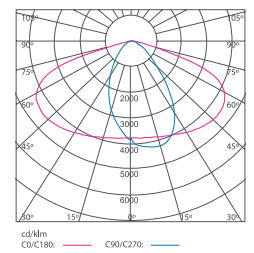
RA36530



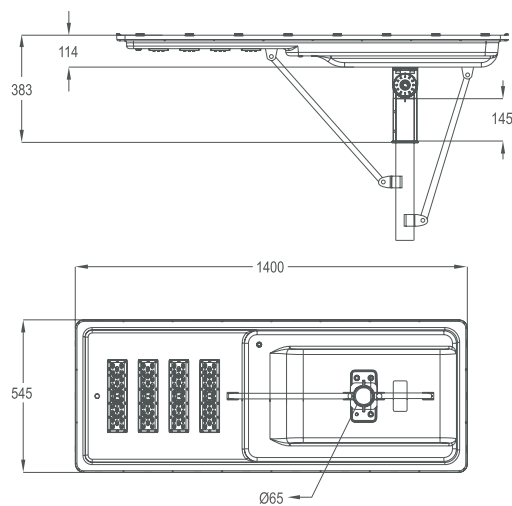
RA36560 / RA36580



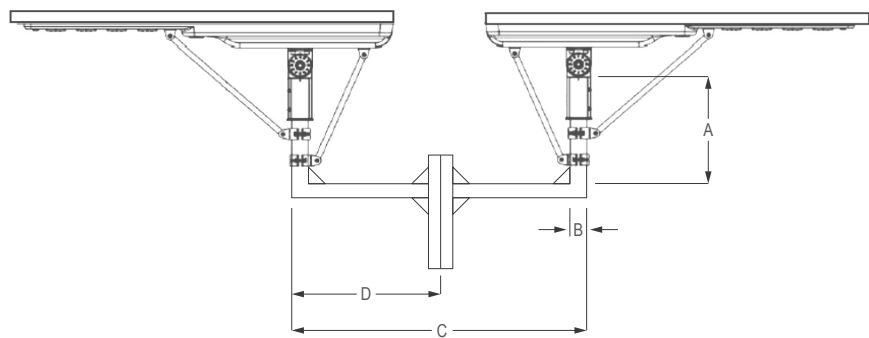
PHOTOMETRIC



RA365120



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



RA365 GEN 2 120W

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

RA365 GEN 2 60W / 80W

TILTING ANGLE (°)	A (mm)	B (mm)	C (mm)	D (mm)
0	200	Ø60	672	336
10	200	Ø60	672	336
20	200	Ø60	672	336
30	200	Ø60	672	336

RA365 GEN 2 30W

TILTING ANGLE (°)	A (mm)	B (mm)	C (mm)	D (mm)
0	200	Ø60	552	276
10	200	Ø60	552	276
20	200	Ø60	552	276
30	200	Ø60	552	276