

RA365 GEN 3 INTEGRATED SOLAR LED STREET LIGHT



LUMINAIRE SPECIFICATIONS

- **Power** 60W
80W
100W
120W
150W
- **Fitting Material** Die-Cast Aluminium
- **Fitting Color** RAL 9006
- **Ingress Protection** IP66
- **Impact Protection** IK08
- **Voltage** 24Vdc
- **Operating Temperature** -20 ~ +50°C
- **Beam Angle** Type II
- **Installation** Ø60 mm Pole
Post Top, 0° - 20° Tilting

LED MODULE SPECIFICATIONS

- **LED Chips** 5050
- **Color Temperature** 3000K (Other CCT Upon Request)
- **Color Rendering Index** RA >70
- **L70** 50,000 Hrs

SYSTEM SPECIFICATIONS

- **Solar Panel Type** Mono Crystalline
- **Solar Panel Capacity** 1 x 34V 145W
1 x 41V 230W
1 x 33.75V 280W
- **Backup Time** 2 Days (Pre Set Time Profile)
- **Charge Controller** MPPT Charging
Overheat Protection
Output Short Circuit Protection
- **Battery** Lithium-Iron Phosphate 25.6V 45Ah
Lithium-Iron Phosphate 25.6V 60Ah
Lithium-Iron Phosphate 25.6V 90Ah
Lithium-Iron Phosphate 25.6V 120Ah

TIME PROFILE		
WATTAGE	TIME DURATION OF 12 HRS	DIMMING PROFILE
60W, 80W, 100W, 120W & 150W	4hrs	100%
	2hrs	60%
	6hrs	40%

- 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
- 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

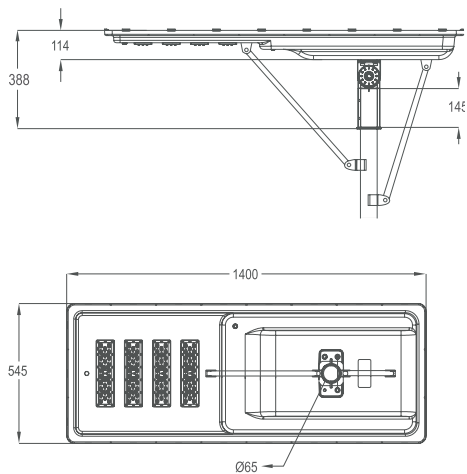
MEASUREMENT & ORDER CODE

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 34V 145W	25.6V 45Ah	4	32 kg	36 kg
80W	RA36580	15200	190 lm/w	1 X 34V 145W	25.6V 60Ah	4	36.5 kg	41 kg
100W	RA365100	19000	190 lm/w	1 X 41V 230W	25.6V 90Ah	4	50.5 kg	58 kg
120W	RA365120	22800	190 lm/w	1 X 41V 230W	25.6V 90Ah	4	50.5 kg	58 kg
150W	RA365150	28500	190 lm/w	1 X 33.75V 280W	25.6V 120Ah	4	60.5 kg	68 kg

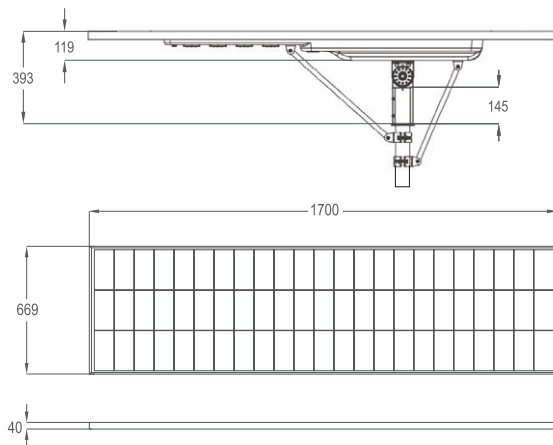


DIMENSION

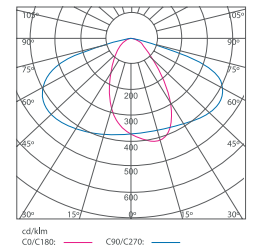
RA36560 / RA36580



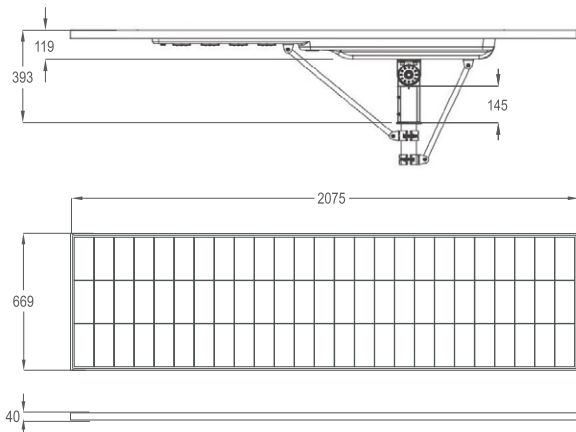
RA365100 / RA365120



PHOTOMETRIC



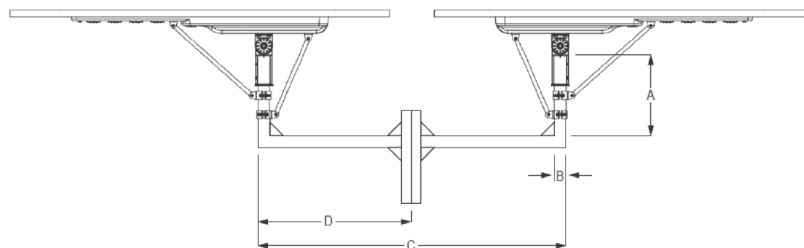
RA365150



Note 1: All specifications are subject to change without prior notice for product improvement. Images are for illustrative purposes only.

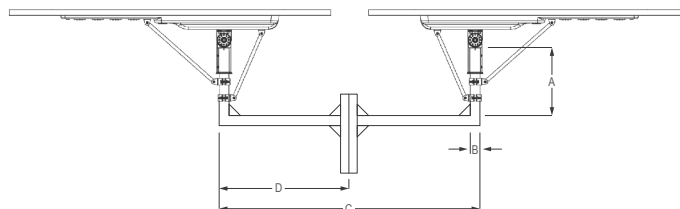
Note 2: The above RA365 GEN 3 Integrated Solar LED street light specification fullfil JKR L-S20 requirement.

DOUBLE ARM POLE INSTALLATION



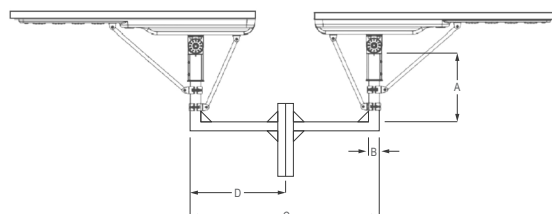
RA365 GEN 3 150W

TILTING ANGLE (°)	A (mm)	B (mm)	C (mm)	D (mm)
0	520	Ø60	1770	885
10	520	Ø60	1770	885
20	520	Ø60	1770	885



RA365 GEN 3 100W / 120W

TILTING ANGLE (°)	A (mm)	B (mm)	C (mm)	D (mm)
0	520	Ø60	1420	710
10	520	Ø60	1420	710
20	520	Ø60	1420	710



RA365 GEN 3 60W / 80W

TILTING ANGLE (°)	A (mm)	B (mm)	C (mm)	D (mm)
0	520	Ø60	900	450
10	520	Ø60	900	450
20	520	Ø60	900	450

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