

IP66 LED Waterproof Luminaire

RW08 SERIES

with Power adjustable **Emergency** Sensor

TW

















Advantages

- RW08 is the second generation of RW08, which is our hot-selling LED tri-proof light.
- As the upgraded series of RW08, the structure of the metal plate has been redesigned in order to decrease the processes of
- production. This generation could provide with 2 solutions of luminous efficacy- 120lm/W or 130lm/W.
- It is convenient for installation and maintenance due to the design of external clips.
- Triangular screws are available for option, which could prevent from opening and theft.



















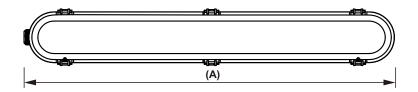
Warehouse **Factory Cold Storage**

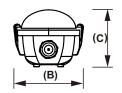


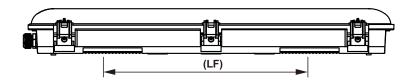
Specifications

Size (mm)	650	12	20	15	560
Model	RW08-20W-650	RW08-20W-1220 RW08-40W-1220	RW08-36W-1220 RW08-45W-1220	RW08-36W-1560 RW08-60W-1560	RW08-54W-1560 RW08-65W-1560
Power	20W	20W / 36W /	40W / 45W	36W / 54W /	60W / 65W
Input voltage	AC 220-240V	AC 220	1-240V	AC 22	0-240V
Frequency	50/60Hz	50/6	0Hz	50/	60Hz
120lm/W version	2400lm	2400lm / 4320lm ,	4800lm / 5400lm	4320lm / 6480lm	/ 7200lm / 7800lm
Optical cover/lens type	Polycarbonate	Polyca	rbonate	Polyca	rbonate
Body color	RAL7035	RAL	7035	RAL	.7035
Driver brand	OSRAM / TRIDONIC / PHILIPS	OSRAM / TRIDO	ONIC / PHILIPS	OSRAM / TRID	ONIC / PHILIPS
LED type	SMD2835	SMD2835		SMD2835	
Mech.impact protection code	IK10	IK	10	IK10	
Ingress protection code	IP66	IP	66	IP66	
Beam Angel of light source	120°	12	0°	120°	
CE mark	CE mark	CE r	nark	CE mark	
Protection class IEC	Saftey class I	Saftey	class I	Saftey class I	
Glow-wire test	850	85	0	850	
Light source replaceable	Yes	Ye	S	Y	es
Init.Corr.Color Temperature	2700K- 6500K	2700K-	6500K	2700K	- 6500K
Init.Color Rendering Index	80	80)	3	30
Luminous flux tolerance	+ / -10%	+/-	10%	+/	-10%
Power factor	>0.9	>0.9		>(0.9
Product Size	650*100*83mm	1220*100*83mm		1560*10	00*83mm
Innerbox Size	670*104*87mm	1240*104*87mm		1580*10)4*87mm
Carton Size	685*280*339mm	1255*280)*230mm	1595*28	0*230mm
Qty / CTN	9pcs	6р	CS	6	ocs

Dimension







Product Size	Α	В	С	LF
RW08-650	650mm	100mm	83mm	350mm
RW08-1220	1220mm	100mm	83mm	860mm
RW08-1560	1560mm	100mm	83mm	1200mm



Product Photo





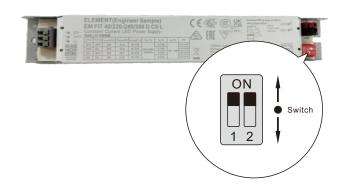






Features

Power Adjustable



Model	Switch	Current	Power	Lumen
RW08-20W-650 RW08-20W-1220	ON 1 2	0.20A	11W	1370lm
	ON 1 2	0.25A	14W	1710lm
	ON 1 2	0.30A	17W	2060lm
	ON 1 2	0.35A	20W	2400lm

Model	Switch	Current	Power	Lumen
RW08-36W-1220 RW08-36W-1560	ON 1 2	0.20A	20W	2470lm
	ON 1 2	0.25A	25W	3085lm
	ON 1 2	0.30A	30W	3700m
	ON 1 2	0.35A	36W	4320lm

Model	Switch	Current	Power	Lumen
RW08-40W-1220	ON 1 2	0.20A	23W	2740lm
	ON 1 2	0.25A	28W	3430lm
	ON 1 2	0.30A	34W	4110m
	ON 1 2	0.35A	40W	4800lm

Model	Switch	Current	Power	Lumen
RW08-45W-1220	ON 1 2	0.20A	25W	3085lm
	ON 1 2	0.25A	32W	3857lm
	ON 1 2	0.30A	40W	4628lm
	ON 1 2	0.35A	45W	5400lm

Model	Switch	Current	Power	Lumen
RW08-54W-1560	ON 1 2	0.20A	30W	3702lm
	ON 1 2	0.25A	38W	4628lm
	ON 1 2	0.30A	46W	5554lm
	ON 1 2	0.35A	54W	6480lm

Model	Switch	Current	Power	Lumen
RW08-60W-1560	ON 1 2	0.20A	34W	4115lm
	ON 1 2	0.25A	42W	5142lm
	ON 1 2	0.30A	50W	6171lm
	ON 1 2	0.35A	60W	7200lm

Model	Switch	Current	Power	Lumen
RW08-65W-1560	ON 1 2	0.20A	37W	4457lm
	ON 1 2	0.25A	46W	5571lm
	ON 1 2	0.30A	56W	6685lm
	ON 1 2	0.35A	65W	7800lm

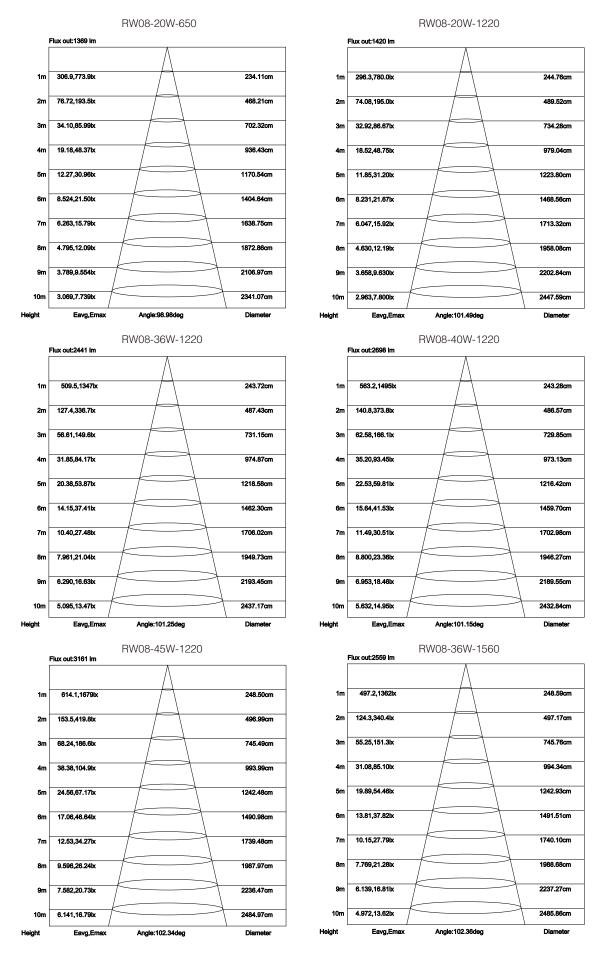


IES

Luminous intensity distribution diagram





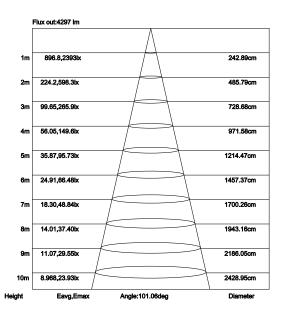




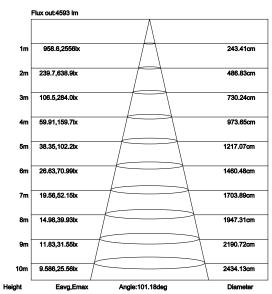
RW08-54W-1560

Flux out:3935 lm 764.7,2107lx 247.97cm 191.2,526.6bx 495.93cm 2m 84.96,234.1lx 743.90cm 47.79,131.7bx 991.86cm 30.59,84.26lx 1239.83cm 5m 21.24,58.52lx 1487.79cm 6m 15.61,42.99lx 1735.76cm 7m 11.95,32.92lx 8m 1983.72cm 9.440,26.01lx 2231.69cm 9m 10m 7.647,21.07lx 2479.65cm Angle:102.22deg Diameter Height Eavg,Emax

RW08-60W-1560



RW08-65W-1560



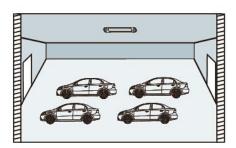


Sensor module

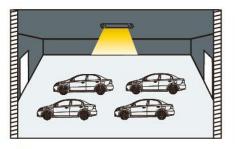
Induction parameters

	Operating Voltage Rage	198-264V AC, 50Hz/60Hz		
Input	Rated Voltage	220-240V AC, 50Hz/60Hz		
input	Stand-by Power	≤0.5W		
	Surge Test	LN: 1kV		
	Working Mode	ON/OFF function		
	Type of Load	Inductive or Resistive		
Output	Load Capacity	400W (Inductive); 800W (Resistive)		
	Max. Surge Capacity	30A (50% I _{peak} , t _{width} =500uS, 230Vac full load, cold start);		
	Max. Surge Capacity	60A (50% I _{peak,} t _{width} =200uS, 230Vac, full load, cold start)		
	Operating Frequency	5.8 GHz ∄5 MHz , ISM Band.		
	Transmitting power	0.5mW Max.		
	Hold time	5s//30s/90s/5min/20min/30min		
0	Detection Sensitivity	100%/75%/50%/25%		
Sensor Parameters	Daylight Sensor	2Lux/10Lux/30Lux/50Lux/Disable		
T drameters	Data stina Dadina	3-10m (mounting height 3-4m)		
	Detecting Radius	2-8m(mounting height 6m)		
	Mounting Height	6m Max.		
	Detecting Angle	150° (Wall mounted), 360° (Ceiling mounted)		
Operating	Operating Temperature	-25°C ···+60 °C		
Environment	Storage Temperature	-40°C···+80 °C (Humidity: 10%-95% Non-condensing)		
	Safety standards	EN61058-1		
Certificate	FMC standards	EN300440; EN301489-1; EN55015; EN61547; EN61000-3-2;		
Standards	EMC standards	EN61000-3-3; EN62479		
Claridatas	Environmental Requirement	Compliant to RoHS		
	Certificate	CE, RED		

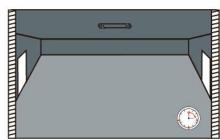
Switching function



With sufficient ambient light, the light will not be switched on even if with motion signal.



With insufficient ambient light, the sensor switches on the light when motion is detected.



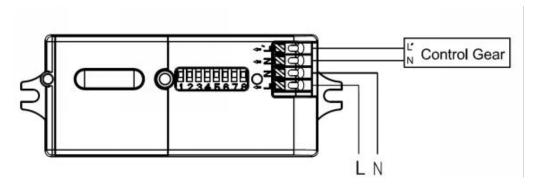
3 After elapse of hold time, the sensor switches off the light when no motion is detected.



Sensor module

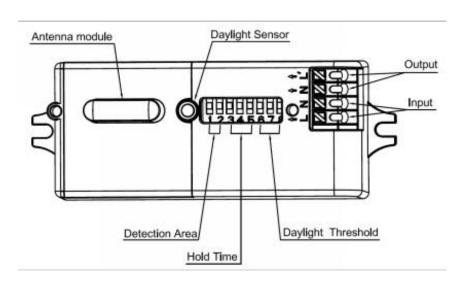


Wiring



*The sensor is designed for connect one load only. Connect more than one loads may damage the sensor.

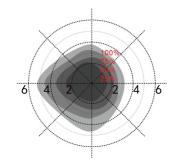
Structure



Radiation Pattern

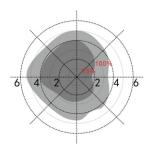
1) Ceiling mounting

Ceiling mounted height: 3m Sensitivity: 100%/75%/50%/25%



Normal moving (Speed:1m/s)

Ceiling mounted height: 6m(*) Sensitivity:100%/75%

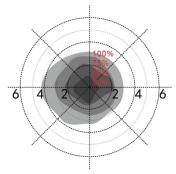


Normal moving (Speed:1m/s)

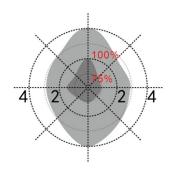


Sensor module





Slow moving (Speed 0.3m/s)

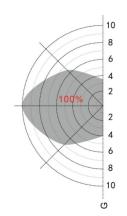


Slow moving (Speed: 0.3m/s)

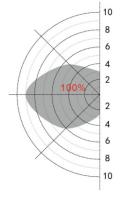
*Only 100%/75% detection sensitivity is workable when installed at 6m mounting height. 25%/50% sensitivity is not able to detect motion signal.

2) Wall mounting

Horizon mounted height: 2m Sensitivity: 100%



Normal moving (Speed 1m/s)



Slow moving (Speed 0.3m/s)

DIP Switch Setting

Detection Area (Sensitivity)

	1	2
100%	ON	ON
75%	_	ON
50%	ON	_
25%	-	-





Hold Time

	3	4	5	
I	ON	ON	ON	5S
II	-	ON	ON	30S
III	ON	-	ON	90S
IV	-	_	ON	5min
V	ON	ON	_	20min
VI	_	_	_	30min

Daylight Threshold

	6	7	8	
I	ON	ON	ON	2Lux
II	ON	ON	_	10Lux
III	-	ON	-	30Lux
IV	ON	-	_	50Lux
V	-	-	-	Disable*

^{*}Disable" means the daylight sensor not work. it will turn on light once motion is detected regardless of ambient light.

Override Function

Quick switch ON/OFF 3 times within 2sec to override sensor function. Lights will switch on all the time. Power off and on again to recover sensor function.

Initialization

After power on, the sensor automatically turns on light at 100% brightness. After 10sec, it turns off the light. During the initialization, the sensor is not able to detect movement.

Factory Setting

Detection area: 100%, Hold Time: 5S, Daylight Sensor: Disable



Emergrncy module



LED Emergency converter

Product description

- LED emergency converter that can transfer standard LED fitting into emergency LED fitting.
- Used with Lithium iron phosphate battery.
- Suits for LED fitting with external led driver.
- Accessary: test switch and charge indicator.

Relevant standrd

IFC 61347-1 IEC 61347-2-7 EN 55015 IFC 60598-2-22

CE

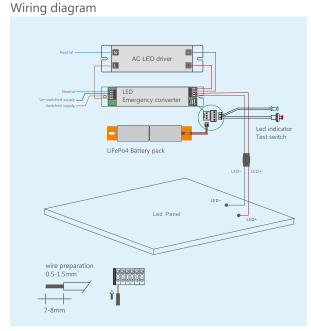
Applications

- -Use in damp and dry environment.
- For use on a wide range of LED fittings to convert them from standard to emergency fitting.
- LED fitting would be maintained emergency LED fitting if standard (main powered) driver, emergency lighting kit and battery are all retained in the circuit.

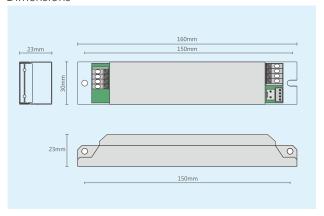
 LED fitting would be non-maintained emergency LED fitting if only emergency lighting kit.
- and battery are retained in the circuit.
- Additional Relay that can control standard LED driver.
 Deep discharge protection.
- Connector between emergency kit and battery has the function of polarity reversal protection.
- Ambient range ta 0....50°C
- IP20 protection, relies on end-product enclosure for protection against accidental contact
- Not intended for use in luminaries for high-risk task area lighting.
- Full warranty 3 years.

Technical data

- Input rated voltage: 220-240V AC 50-60Hz
- AC input current 10-60mA
- AC Input power rated 4 W max
- Power factor: >0.6
- Charge time ≥16 hours
- Charge mode: trickle re-charging on battery.Output emergency power 2-4 wattage constant power output.
- Output voltage DC10...50V, DC50-200V
- Battery capacity (LiFePo4): 1500mAh, 3000mAh
- Battery Charging Current 0-400mA
- 1 ,1.5 ,2 or 3 hours rated duration Charging indicator light
- Green light on--Battery is charging
- Green light on--Battery is fully charged
- Indicator off--The device is something wrong and is malfunction.
- Max. casing temperature to 70°C
- Lumen Factor: 140lm/Wattage
- Reinforced insulation between the supply and the battery circuit.
- -This unit can recharge the battery normally after reconnecting of battery.



Dimensions





Emergrncy module

Product Description

- High-temperature Lithium iron phosphate batteries
- 2, 4 Cells Lithium iron phosphate Battery pack

Technical Data

- Rated 500 charge/discharge cycle
- 18650 battery core
- Battery voltage 3.2V/Cell
- Max. short term temperature 70°C
- Ambient temperature 0°to +50°C°

Battery wire

- Two wires: 1 red and 2 black
- Length: 200mm
- Wire type: 0.75mm²

Battery



Test switch and LED indicator

ORDERING DATA

05F04

1000mm



150mm

850mm



Product description

- For connection to the emergency lighting unit
- The test switch for checking the device function
- The LED indicates that charging current is flowing into the battery
- Plug connection

LED indicator

- Mounting hole 6.5mm dia
- Wire insulation rating: 85°C

Test switch

- Mounting hole 7mm dia
- Wire insulation rating: 85°C