

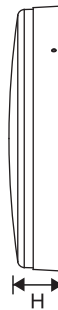
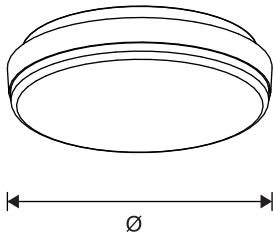
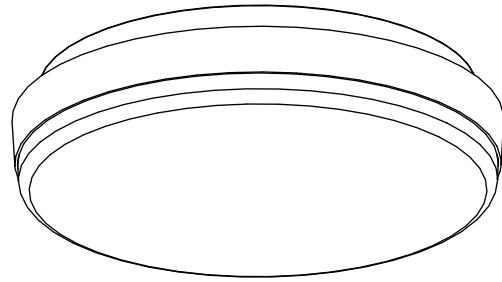
## LED Wall Mounted EcoMax

Item Code

CCT



Item Code	CCT	kg
522020001800	3000K/4000K	0.7Kg
522020001700	3000K/4000K	0.76Kg
522020001600	3000K/4000K	0.7Kg
522020001500	3000K/4000K	0.76Kg
522020001400	3000K/4000K	0.8Kg
522020001300	3000K/4000K	0.86Kg
522020001200	3000K/4000K	0.8Kg
522020001100	3000K/4000K	0.86Kg



Model Name	Ø (mm)	H (mm)	Rated Voltage (V~)	Frequency (Hz)	Current (A)	Rated Power (W)
LED WM E2 R275-14W	275	71	220-240	50/60	0.08	14
LED WM E2 R275-14W-MD	275	71	220-240	50/60	0.08	14
LED WM E2 R275-22W	275	71	220-240	50/60	0.12	22
LED WM E2 R275-22W-MD	275	71	220-240	50/60	0.12	22
LED WM E2 R275-17W EM3	275	71	220-240	50/60	0.08	17
LED WM E2 R275-17W-MD EM3	275	71	220-240	50/60	0.08	17
LED WM E2 R275-24W EM3	275	71	220-240	50/60	0.12	24
LED WM E2 R275-24W-MD EM3	275	71	220-240	50/60	0.12	24

### Mounting

**1**

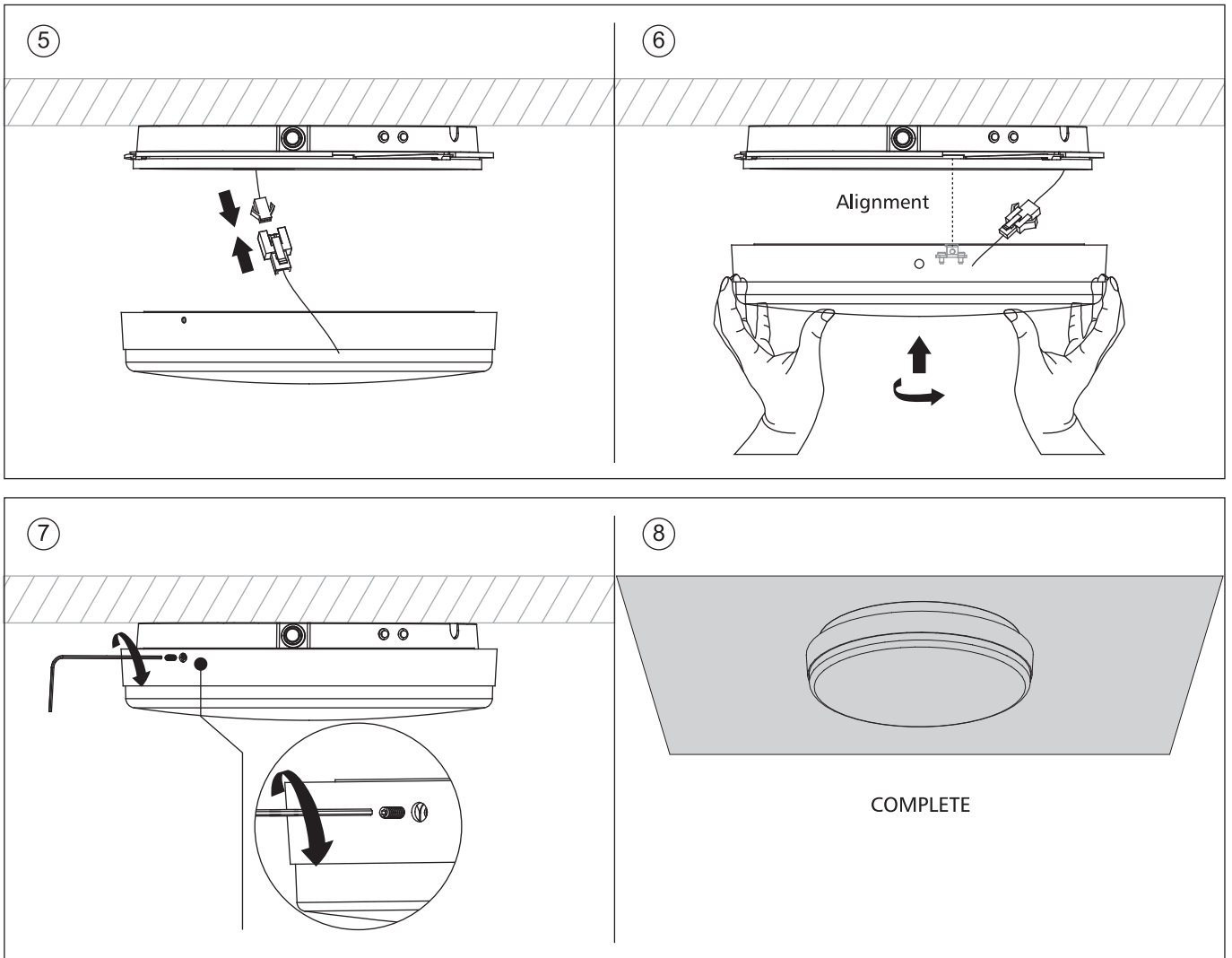
**3**

**2**

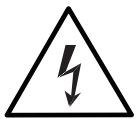
**4** L' is only required for emergency versions

- L' — Switched
- L — Unswitched
- N — Neutral

CCT changeable



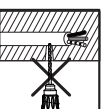
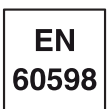
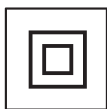
Caution: Any operation on LED module is forbidden while power-on.  
 Zur Vermeidung von Risiken müssen defekte Leitungen ausschließlich vom Hersteller, Inverkehrbringer oder Fachmann ausgetauscht werden.  
 Achtung: In Betrieb ist keine Arbeit am LED-Modul erlaubt.



For non-user replaceable light sources:  
 The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person. Otherwise the whole luminaire shall be replaced.  
 Das Leuchtmittel dieser Leuchte ist nicht austauschbar. Wenn das Leuchtmittel das Ende seiner Lebensdauer erreicht hat, muss die gesamte Leuchte ersetzt werden.



For use in environments where normal non-conductive/conductive dust accumulation may be expected, not for use in environments with expected high/unusual dust accumulation.



Data subject to change  
 Les données sont sujettes à modifications  
 Änderungen vorbehalten

Oppl Lighting Electronic (Zhongshan) Co., Ltd.  
 Building A, No.275 Dongan Bei Road, Haizhou District,  
 Guzhen Town, Zhongshan City, Guangdong, China.

OPPLE Lighting B.V.  
 Meerenakkerweg 1.11  
 5652 AR Eindhoven  
 The Netherlands  
 service@opple.com  
 www.opple.com

## Emergency versions

### RECOMMENDED ROUTINE TEST PROCEDURE

The following test is designed to ensure the continued protection of your premises and occupants. Because of the possibility of a failure of the normal lighting supply occurring shortly after a period of testing, all tests should whenever possible, be undertaken at times of least risk, e.g. during daylight hours.

ONCE A DAY	ONCE A MONTH	ONCE A YEAR
Visual inspection of battery charge LED.	Each unit should be energized from its battery for about 15 minutes by simulation of a failure of the normal lighting supply to ensure the LED's operate in the emergency condition.	Each unit should be energized from its battery for the full rated duration. Inspect the LED's and if any of them have failed the whole unit will need to be replaced. The LED's will probably continue to operate for approximately 10 years but batteries will require replacement every five years.

### SPECIFICATION

- Working temperature: 0°C - 25°C
  - Supply: AC220-240V, 50/60Hz, 0.04A, PF=0.7
  - Replaceable fuse: 250V, 1A
  - IP Rating: IP54, suitable for indoor use or outdoor use
  - Battery: rechargeable Li-ion battery, 6.4V 1500mAh
  - Emergency duration: 3 hours
  - Emergency mode: Lamp intensity after 3h: >90% of max value in emergency mode
  - Color rendering index: >80 for all mode.
- RED Operating frequency: 5.8G±75MHZ RED Max. Transmission Power: <2mW.**

### RADIO FREQUENCY INTERFACE REQUIREMENTS – RELATED TO EUROPEAN INSTALLATION

Note: This equipment has been tested and found to comply with the limits for a EN 300 440 v2.1.1 receiver Category 3. These limits are designed to provide reasonable protection against harmful interference in a residential installation. When placed in the vicinity of other device(s) radiating in the 5.8GHz ISM band this device may inadvertently trigger on. Please take appropriate measure to mitigate this eventuality.

### WARNING

- L terminal should be permanently connected to the supply, otherwise the battery cannot be charged and the product will be unable to change to emergency mode.
- L' can be disconnected if maintained function is unexpected.
- The input cable should be H05RN-F 2x1.0mm<sup>2</sup>, or having at least equivalent characteristic.
- If the rated duration of emergency mode is no longer meet after few years, please contact our service agent to replace the battery or LED module.
- The fuse, light source and battery contained in this luminaires shall only be replaced by a certified electrician or our service agent. Please contact us if you have any problem.
- ⚠ Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities contact your local government for information regarding the collection systems available. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the ground and water then get into the food chain, damaging your health and well-being.

### EMERGENCY OPERATION

NON-MAINTAINED (Disconnect L')

LED source normally off and battery on automatic charge (green LED 'on') when the A.C. supply is healthy. Solid state circuitry automatically switches the lamp on when the A.C. supply is interrupted.

MAINTAINED

LED light source is normally on.

The battery is on automatic charge (green LED 'on'). Light source will switch on or remain on if A.C. supply is interrupted.

MONITORING

Green indicator lamp (LED) normally continuously 'on'.

Indicator goes out if A.C. supply or charger fails.

### FAULT FINDING AND CORRECTIVE ACTIONN

MONITORING LED NOT ILLUMINATED

A.C. supply not healthy. Battery not connected. Charger failed.

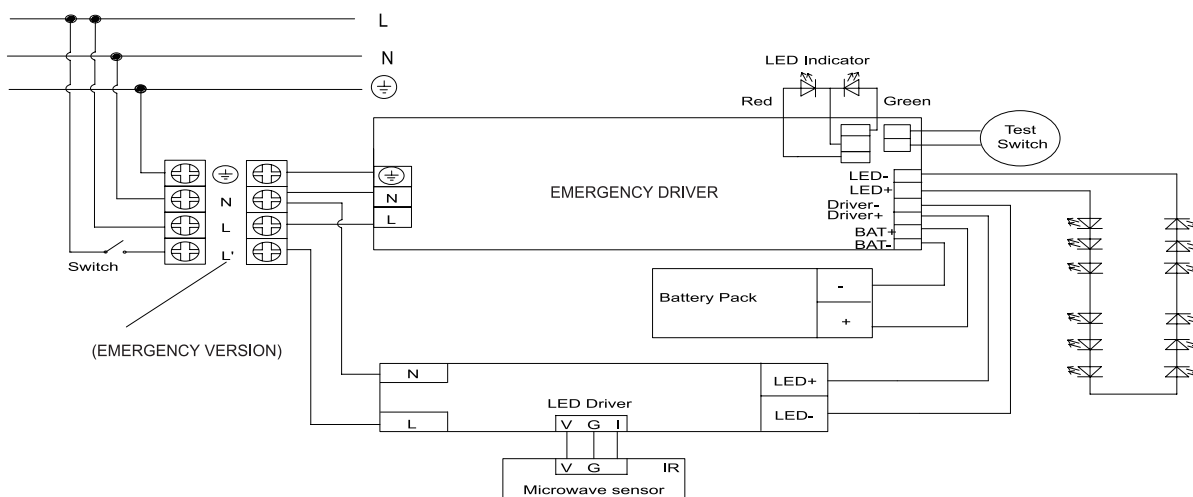
UNIT NOT MEETING REQUIRED EMERGENCY PERIOD

May need cycling: discharge then recharge for full 24 hours. Retest. Battery pack may need replacing if emergency duration still not met.

LIGHT SOURCE NOT FULLY ILLUMINATED

If LED module is broken or the illumination is hesitant and of a low level, please contact us to replace the components.

### WIRING DIAGRAM



## INSTRUCTIONS FOR AUTOMATIC TEST OPTION (EMERGENCY VERSION)

1. Once the unit is powered up it will automatically initiate a self test and diagnostics as follows:

- Every 4seconds: Check for battery disconnection, charger board fault, lamp failure and transformer failure.
- Every month: Perform a 3minute duration test.
- Every year: Perform a 1 Hour or 3 Hours duration test.

All test functions are factory preset and do not need field adjustment.

2. Dual Colour Indicator LED Status Meanings

- Green solid on: ready/normal operation
- Red: requires service

•	One flash, 4 second pause	Battery not connected
••	Two flashes, 4 second pause	Low battery voltage
•••	Three flashes, 4 second pause	Charger board fault
••••	Four flashes, 4 second pause	Transformer fault
•••••	Five flashes, 4 second pause	LED lamp fault

3. Manual Test

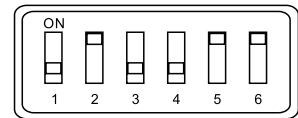
Press test button once	30 second duration test
Press test button twice within 2 seconds	3 minute duration test
Press test button 3 times within 2 seconds	30 minutes duration test
Press test button 4 times within 2 seconds	1 or 3 hours duration test

NOTE: After repairing a service fault, press and hold the test button for 2 seconds to reset the flashing indicator light to green.

## DAYLIGHT & MICROWAVE SENSOR versions

### FACTORY SETTINGS

Detection Area	Hold Time	Daylight Sensor	Stand-by DIM Level	Stand-by Period
100%	3min	disable	20%	15min



### Sensor Setting:

Detection Area	
1	
-	100%
ON	50%

#### Detection area:

Detection area can be reduced by selecting the combination on the DIP switches to fit precisely each application.

Notice 1: The test is based on a height of 3m, the radius is the ground detect distance, which can be selected through the slide switch.

Notice 2: The detective range is measured by human body whose stature is around 1.6-1.7m with medium size and traveling speed is around 1.0-1.5m per second. If the stature, bodily form and traveling speed are changed, then the detective range will be changed accordingly.

Notice 3: Test result will be highly influenced by test environment, the more open environment, the closer detect distance; the narrower environment, the longer detect distance. The detector may do self-excitation in a narrow environment.

Hold Time		
2	3	
-	-	5S
-	ON	60S
ON	-	3min
ON	ON	10min

#### Hold time:

Refers to the time period the lamp remains at 100% illumination after no motion detected.

Notice 1: The hold time can be selected by the DIP-switch. The hold time counting should be started after the sensor is powered on and initialized.

Daylight Sensor	
4	-
-	disable
ON	30lux

#### Daylight sensor:

The sensor can be set to only allow the lamp to turn on below a defined ambient brightness threshold.

When set to Disable mode, the daylight sensor will switch on the lamp when motion is detected regardless of ambient light level.

Notice 1: The light threshold can be selected through the slide switch, it may cause a large deviation in different lamps.

Stand-by DIM Level	
5	
-	0%
ON	20%

#### Stand-by dimming level:

This is the dimmed low light output level you would like to have after the hold-time in the absence of people.

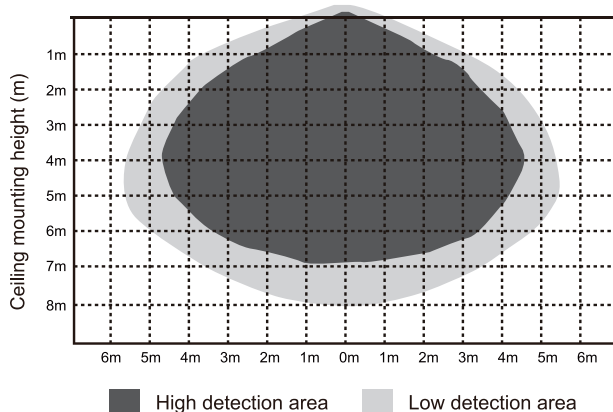
Stand-by Period	
6	
-	∞
ON	15min

#### Stand-by period:

This is the time period you would like to keep at the low light output level before it is completely switched off in the long absence of people.

## SENSOR DETECTION RANGE

Ceiling Mounting pattern(Unit: m)



Wall Mounting pattern(Unit: m)

