

Safety Information

>All electrical work must be undertaken by a qualified contractor to ensure compliance with latest edition BS7671 and IEE/IET wiring regulations.

> Before installing an LED IP65 Circular Luminaire or doing any maintenance, ensure power supply is turned off at the circuit breaker or fuse box.

> This product is designed for permanent connection to fixed wiring; the circuit should be protected with the appropriate MCB or fuse.

Environment

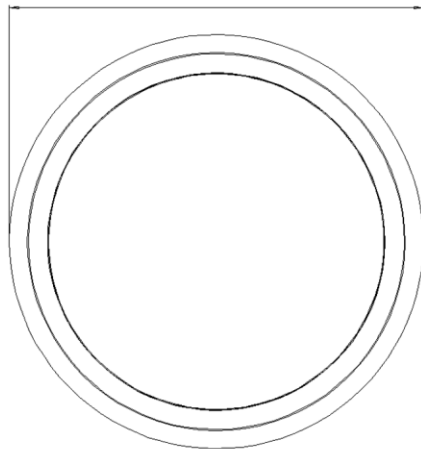
>Please DO NOT dispose of electrical items or packaging as unsorted waste. Use the recycling facilities provided by your local authorities.

Non-replaceable light source

>The light source of this luminaire is not replaceable. When the light source reaches its end of life the whole luminaire shall be replaced.

PRODUCT DIMENSIONS

470.4



92



All units are in mm

Important Warranty Information

The LED IP65 Circular Luminaire has a 3 year warranty, which can be extended free of charge to 5 years by registering online via the website address below. The registrant must provide the product part number and date of manufacture, which can be found on the label attached to the luminaire housing.



Certificate No. FS 571788



Certificate No. EMS 571787

NET LED Ltd.
Buckingham Business Park
300 Anderson Road
Cambridge
CB24 4UQ
sales@netled.co.uk
www.netled.co.uk

Technical Helpline: 01223 851505
Email: support@netled.co.uk

www.netled.co.uk/downloads

Manufactured by



LED IP65
CIRCULAR
LUMINAIRE
INSTALLATION
GUIDE

LED IP65 CIRCULAR LUMINAIRE NET-33-06-XX

KEY DATA

Light Source	LED	
Power	14W	20W
Luminous Flux (3000K)	1330lm	1900lm
Luminous Flux (4000K)	1400lm	2000lm
Luminous Flux (5500K)	1330lm	1900lm
Luminous Efficacy	>95 lm/W	
Colour Temperature	3000K, 4000K, 5500K	
Colour Rendering	>80 CRI	
IP Rating	IP65	
Manufacturer	NET LED Lighting	

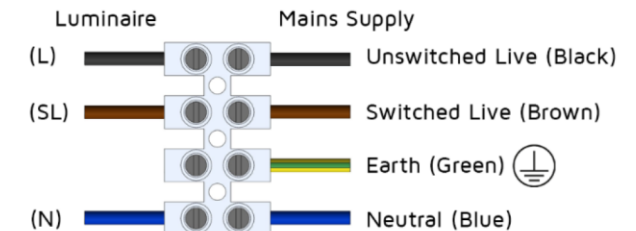
SUPPLY/EARTH CLASS

220-240V AC 50/60 Hz



Fig.1 Mains Input Termination

Class II



Installation procedure: Carefully read the instructions and ensure the mains supply is isolated before installation.
Please follow the safety information overleaf before carrying out any installation. Please retain this leaflet for future reference.

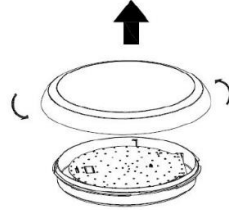


Replaceable control gear by professional

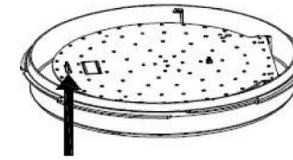


Replaceable (LED only) by end user

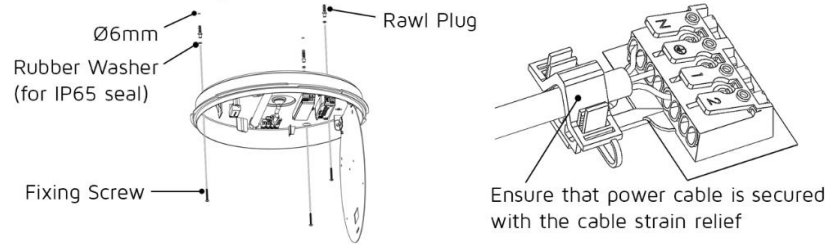
Step 1: Remove the Circular Luminaire from the packaging and rotate the diffuser anti-clockwise to remove it from the housing.



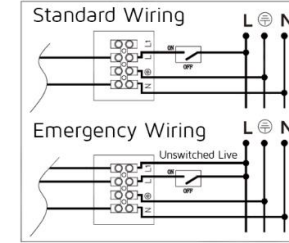
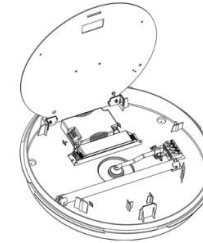
Step 2: Push the plastic clip back to open the PCB.



Step 3: Feed the cable through the retention grommet, then mount the fitting onto the mounting surface.



Step 4: Connect the input wires according to wiring diagram and secure the cable.



Step 5: Select your wattage 14W/20W using the below instructions (N/A to dimmable units).

Standard Tridonic Driver

14W: 350mA Open (No resistor)

20W: 500mA Resistor inserted into 0-2

Resistor inserted into 0-2

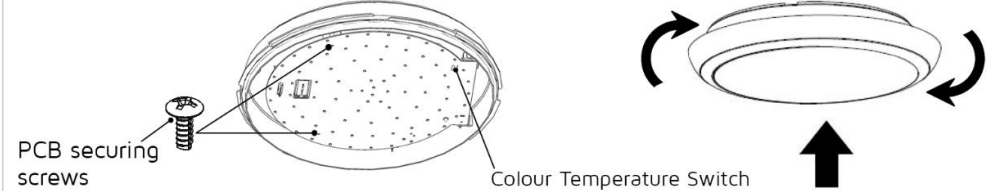


Microwave Sensor Merrytek Driver

Merrytek Driver wattage Dip Switch settings

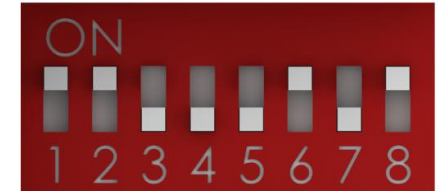
	1	2	3
14W/350mA	–	ON	–
20W/450mA	ON	ON	ON

Step 6: Close the PCB and select the colour temperature on the PCB switch. Insert the small PCB securing screws found in the accessories bag. Refit the diffuser by aligning it with housing rotate it clockwise. Switch on the mains supply.



Power and Motion Sensor Configuration (MLC20C-P3)

Detection Area		Hold Time		Daylight Sensor		Stand-by Period		Sensor	
1		2	3	4	5	6	7	8	
ON	100%	ON	ON	ON	ON	ON	ON		Active
		ON	–	ON	–	ON	–		
–	50%	–	ON	–	ON	–	ON		Disable
		–	–	–	–	–	+ ∞		



Please note: DIP switch in the 'UP' position is ON.

Default Set Up On Delivery

Important Battery Warranty information
The Battery has a 1 Year Warranty. To claim, you must provide the product part number and date of manufacture, which can be found on the label attached to the Luminaire housing along with the original purchase invoice.



Installation procedure: Carefully read the instructions and ensure the mains supply is isolated before installation. Please follow the safety information overleaf before carrying out any installation. Please retain this leaflet for future reference.

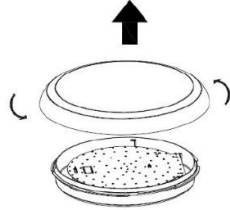


Replaceable control gear by professional

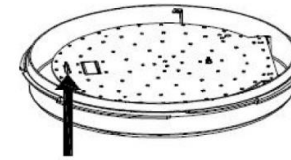


Replaceable (LED only) by end user

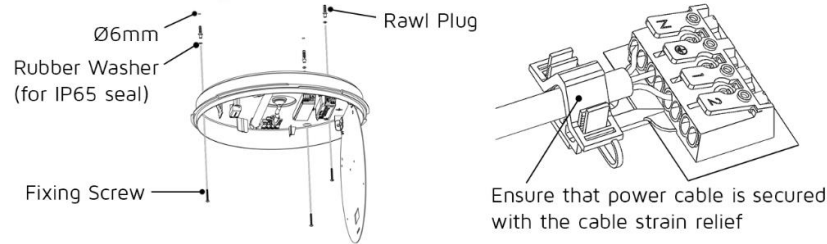
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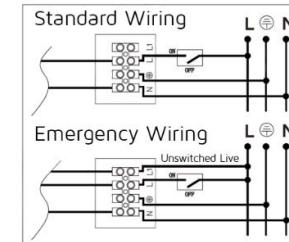
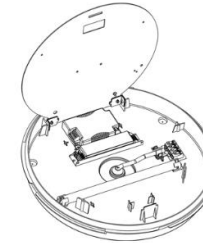
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Resistor inserted into 0-2



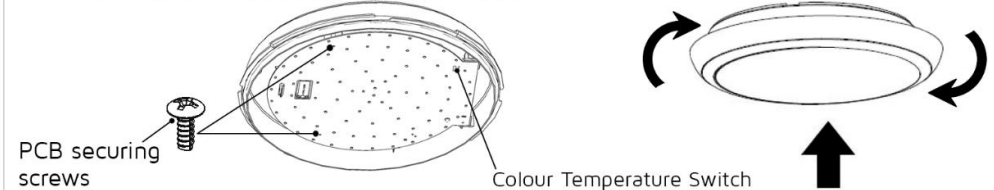
Microwave Sensor Merrytek Driver

Merrytek Driver wattage Dip Switch settings

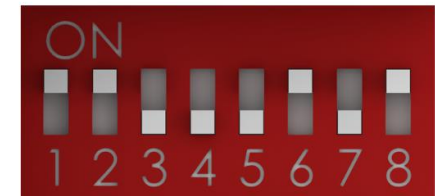
	1	2	3
14W/350mA	–	ON	–
20W/450mA	ON	ON	ON

Motion sensor dip switches

Step 6: Close the PCB and select the colour temperature on the PCB switch. Insert the small PCB securing screws found in the accessories bag. Refit the diffuser by aligning it with housing rotate it clockwise. Switch on the mains supply.



Power and Motion Sensor Configuration (MLC20C-P2)



Please note: DIP switch in the 'UP' position is ON.

Detection Area		Hold Time		Daylight Sensor		Stand-by Period		Sensor	
1	2	3	4	5	6	7	8		
ON 100%	ON	ON 5S	ON	ON 5Lux	ON	ON 0S			
	ON	– 90S	ON	– 15Lux	ON	– 30S			10%
– 50%	–	ON 3min	–	ON 30Lux	–	ON 10min			
	–	– 10min	–	– Disable	–	– + ∞			25%

Default Set Up On Delivery

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SELF TEST EMERGENCY INSPECTION GUIDE

About:

Initial Test

Connect LED load, emergency module, battery and LED driver, then connect mains supply, this emergency conversion module will automatically start to do an initial test. If the components are not functioning correctly, the LED indicator will flash RED. If everything is correct, then it will go into charge mode.

Functional Test

Functional tests are carried out for 10 seconds automatically every 30 calendar days.

Duration Test

Emergency conversion module will automatically make a full duration test every 180 calendar days to check capacity of battery.







Note

If the mains supply is off during the self-test period, emergency conversion module would terminate self-test immediately and go into emergency mode.

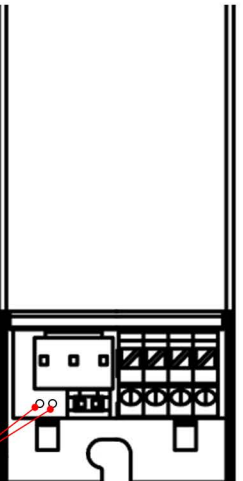
Timer reset functionality

The timer for function and duration test can be set to a particular time of the day by cycling the un-switched line supply 3 times within 1 minute.

LED STATUS INDICATOR

Colour	LED indication	Status	Comment
	Green Slow flashing green (3sec on, 1sec off)	Charging mode	
	Green Permanent green	Fully Charged & Operational	
	Green Fast flashing green (0.1sec on, 0.1sec off)	Function test underway	
	Green Slow flashing green (1sec on, 1sec off)	Duration test underway	
	Red Permanent red	Load failure	Open circuit / Short circuit / LED failure
	Red Slow flashing red (1 sec on, 1 sec off)	Battery failure	Battery failed the duration test or function test / No battery

Reset instructions:



Reset points

If faulty status is triggered, the LED indicator will flash RED. To reset the emergency kit, touch the two reset points for 5-10seconds with a piece of wire, or a short-circuit needle.

