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 maintainance, ensure power supply is turned off at the circuit breaker or fuse box.
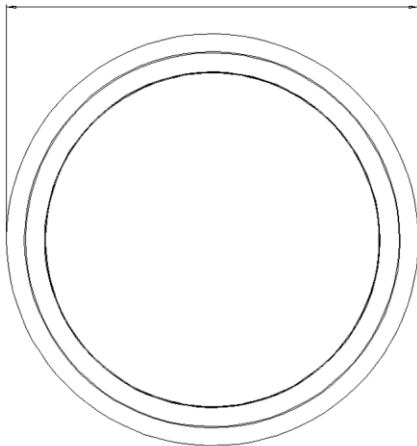
> This product is designed for permanent connection to fixed wiring; the circuit should be protected with the appropriate MCB or fuse.

Environment

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

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.

Member of theLIA
LIGHTING INDUSTRY ASSOCIATION

LED Luminaires and Retrofit Bulbs Licensing Program
Member
NET LED Ltd
ENABLED

bsi. **ISO 9001** Quality Management
Certificate No. FS 590684

bsi. **ISO 14001** Environmental Management
Certificate No. EMS 590685

YAXLEY IP65 SLIM CIRCULAR INSTALLATION GUIDE

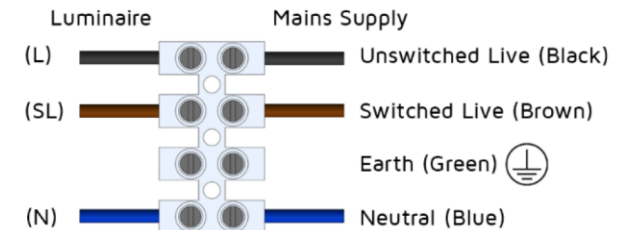| Part Number	Description
NET-33-06-31	Standard 14W/20W
NET-33-06-33	Emergency 14W/20W
NET-33-35-33	Self Test Emergency 14W/20W
NET-33-06-38	Dimmable 20W
NET-33-06-39	Dimmable Emergency 20W
NET-33-06-35	Motion Sensor 14W/20W
NET-33-06-37	Motion Sensor Emergency 14W/20W

SUPPLY/EARTH CLASS

220-240V AC 50/60 Hz

Class II

Fig.1 Mains Input Termination

Luminaire		Mains Supply
(L)		Unswitched Live (Black)
(SL)		Switched Live (Brown)
		Earth (Green)
(N)		Neutral (Blue)

UKCA CE

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.
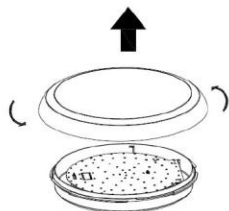
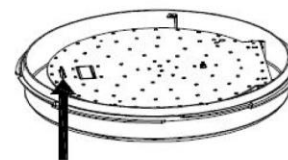Replaceable (LED only) light source by a professional
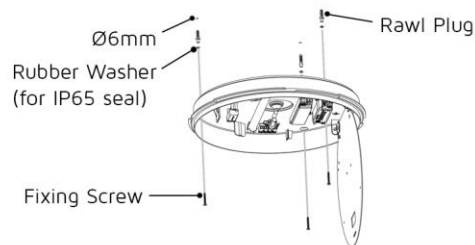
Replaceable control gear by professional

Step 1: Remove the Circular Luminaire from the packaging and rotate the diffuser anti-clockwise to remove it from the housing.
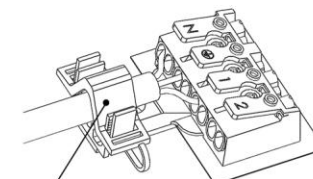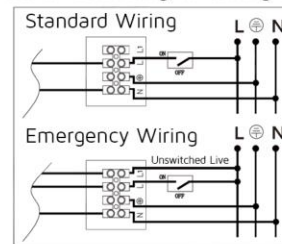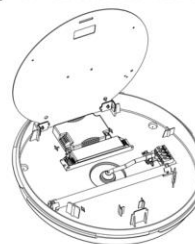
Step 2: Push the plastic clip back to open the PCB.

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

- Rawl Plug
- Ø6mm
- Rubber Washer (for IP65 seal)
- Fixing Screw

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

Standard Wiring — L ⊕ N

Emergency Wiring — L ⊕ N — Unswitched Live

Ensure that power cable is secured with the cable strain relief

Step 5: Select your wattage 14W/20W using the below instructions (N/A to dimmable units).
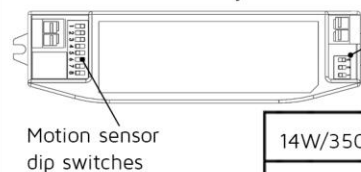
Standard Tridonic Driver
14W: 350mA Open (No resistor)
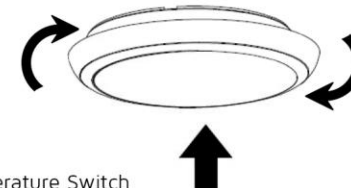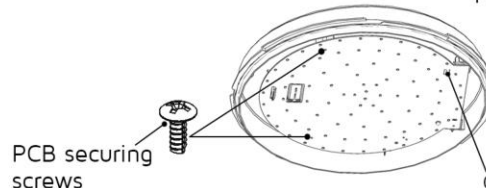20W: 500mA Resistor inserted into 0-2

Resistor inserted into 0-2

Microwave Sensor Merrytek Driver

Motion sensor dip switches

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.

PCB securing screws

Colour Temperature Switch

Power and Motion Sensor Configuration (MLC20C-P2)

ON

1 2 3 4 5 6 7 8

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	10%
		ON	–	90S	ON	–	15Lux	ON	–	30S		
–	50%	–	ON	3min	–	ON	30Lux	–	ON	10min	–	25%
		–	–	10min	–	–	Disable	–	–	+ ∞		

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.
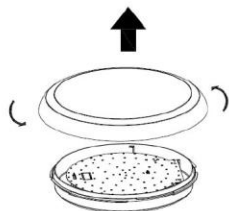
X 1 A 180

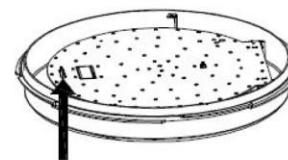Replaceable (LED only) light source by a professional
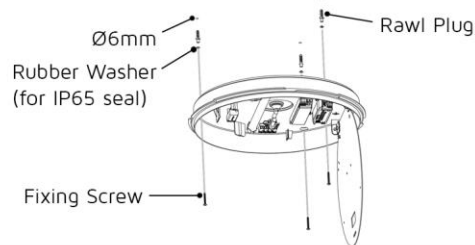
Replaceable control gear by professional

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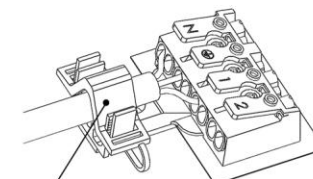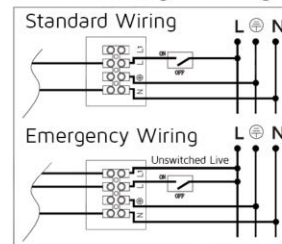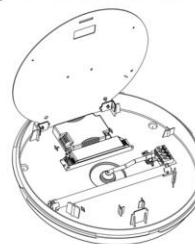

Step 2: Push the plastic clip back to open the PCB.

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

Ø6mm
Rubber Washer (for IP65 seal)
Rawl Plug
Fixing Screw

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

Standard Wiring   L ⊕ N
Emergency Wiring   L ⊕ N
Unswitched Live

Ensure that power cable is secured with the cable strain relief

Step 5: Select your wattage 14W/20W using the below instructions (N/A to dimmable units).
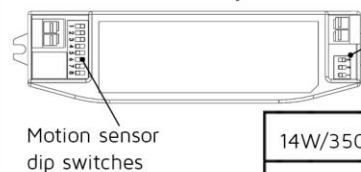
Standard Tridonic Driver
14W: 350mA Open (No resistor)
20W: 500mA Resistor inserted into 0-2
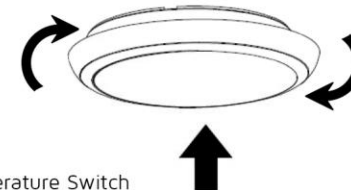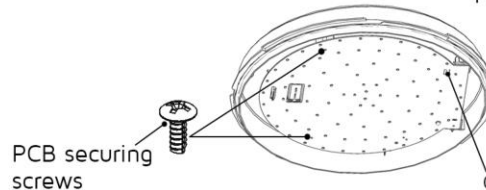
Resistor inserted into 0-2

Microwave Sensor Merrytek Driver

Merrytek Driver wattage Dip Switch settings

Motion sensor dip switches

	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.

PCB securing screws

Colour Temperature Switch

Power and Motion Sensor Configuration (MLC20C-P3)

ON

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

Detection Area

1	
ON	100%
−	50%

Hold Time

2	3	
ON	ON	5S
ON	−	90S
−	ON	3min
−	−	10min

Daylight Sensor

4	5	
ON	ON	5Lux
ON	−	15Lux
−	ON	30Lux
−	−	Disable

Stand-by Period

6	7	
ON	ON	0S
ON	−	30S
−	ON	10min
−	−	+ ∞

Sensor

8	
ON	Active
−	Disable

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.

X 1 A 180

Safety Information:

- The dimming cables should be run seperately from the connections and mains cables to ensure good EMC conditions.

Wiring the plug-in terminal:

- Use solid wire or stranded wire with the correct cross-section

- Strip off correct length of insulation; you may need to twist the tool slightly

- If stranded wire is used: push onto the terminal from above to be able to insert the wire

- Insert the bare end into the terminal

Detaching the plug-in terminal:

- Push onto the terminal from above to release the wire

- Pull out the wire at the front

Mains supply wires
Stranded with or solid wire from
0.5 to 2.5mm² may be used for
wiring.

10,5

$0,5 - 2,5\square$

max. = 9 mm
min. = 4,5 mm

10,5
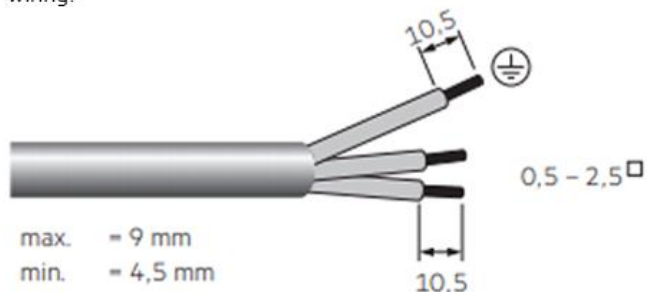
For more information regarding driver settings/options, please access the QR code below:

Tridonic LCA PRE, LC EXC

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and Retrofit Bulbs
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bsi.
ISO
9001
Quality
Management

Certificate No. FS 590684

bsi.
ISO
14001
Environmental
Management

Certificate No. EMS 590685

Installation procedure: Carefully read the installation 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.

DALI

Description:

DALI (Digital Addressable Lighting Interface) is an interface protocol for digital communication between electronic lighting equipment.

DALI offers a lot of possibilities:

- DALI line: 64 LED Driver can be grouped to a line
- DALI groups: Every LED Driver can be attributed into 16 groups
- Addressability: All LED Driver are individually addressable
- Grouping: Possible witout complicated rewiring
- Programmability: Individual programmability makes it possible to use functions which transcend the DALI standard
- Monitoring: Easily possible thanksto status feedback
- Wiring: Simple wiring with five pole standard cables and a cable length of max. 300 metres
- Wiring: Polarity-free control lines can be used for mains and control lines
- Wiring: Multiple wiring possibilities (star, series and mixed wiring)
- Unaffected by interruptions: All luminaires receive the same, unaffected digital signal and dimming level
- Similar light level from first to last luminaire.

Technical data of a DALI line:

- DALI voltage: 9.5V - 22.4V
- Maximum DALI system current: max. 250mA
- Data transfer rate: 1200 Baud
- Maximum line length: up to 300m (for 1.5mm^2)
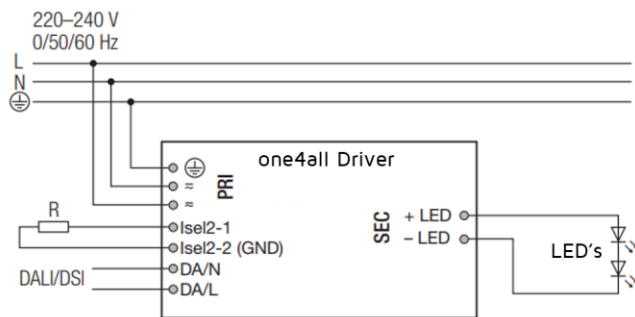
switchDIM/Push

Description:

With the switchDIM function it is possible to use the mains voltage as a control signal.
The phase of a standard mains voltage push button is connected to the terminal marked DA/L and the neutral conductor is connected to the terminal marked DA/N.

Using the function is easy and convenient:
- A short press (50-600 ms) switches the device on or off
- A long press (>600 ms) fades the connected operating device alternately up and down (between 1 and 100%)

The device has a switchDIM memory function. This is used, among other things, for storing the last dimming value in the event of interruptions in the power supply.
When power returns, the LED is automatically restored to its previous operating state and dimmed to the last value.

> ⚠ **Caution!**
> Glow switches are not approved for controlling switchDIM.
> Glow switches may cause the LED Driver to sponaneously switch on or off or make sudden changes in the dimming value.

> ⚠ **Caution!**
> A maximum number of 25 operating devices per switchDIM system should not be exceeded.
> If you have more devices please use DALI.