



PRODUCT SPECIFICATION

DEXROTA

APPLICATION

- Education
- Hotel / Leisure
- Office
- Retail

SPECIFICATION

CONSTRUCTION

- Housing: Extruded aluminium

PERFORMANCE

- Part L2 compliant
- 3SDCM Three step Macadams ellipse

ENVIRONMENTAL

- Designed to allow simple replacement of components with commonly available tools in compliance with the Eco Design Directive, please see the installation leaflet for maintenance instructions.
- Powered by European branded drivers and emergency modules ensuring replacement parts are easily sourced.
- Designed to allow simple disassembly for end of life recycling.
- UK based manufacturing providing local support throughout the product lifetime and minimising transportation miles.

EMERGENCY

- Available with optional standard, self test and autotest integral emergency with lithium batteries for extended warranty and lifetime.

INSTALLATION

- Suitable for suspended installation

VARIATIONS

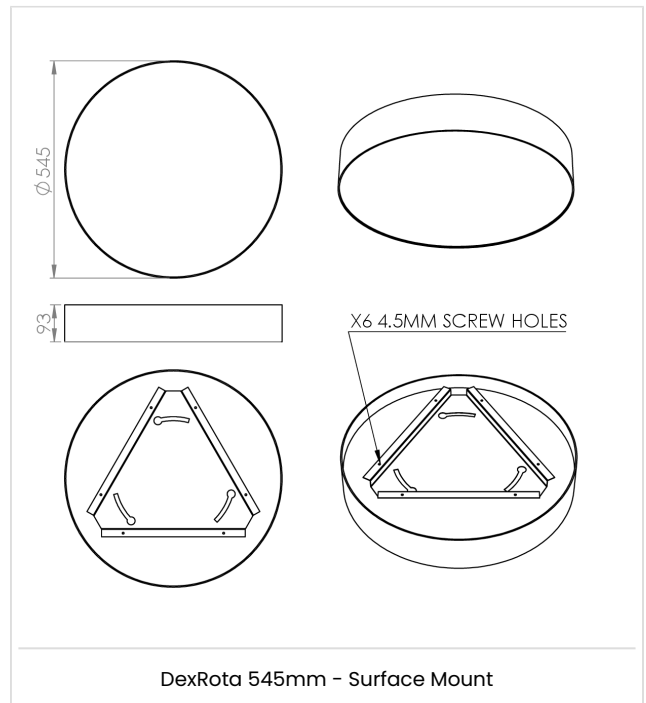
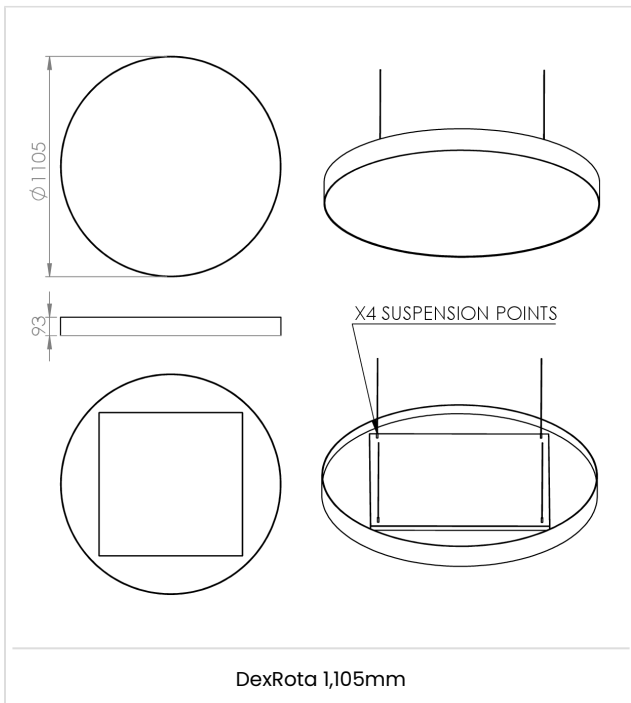
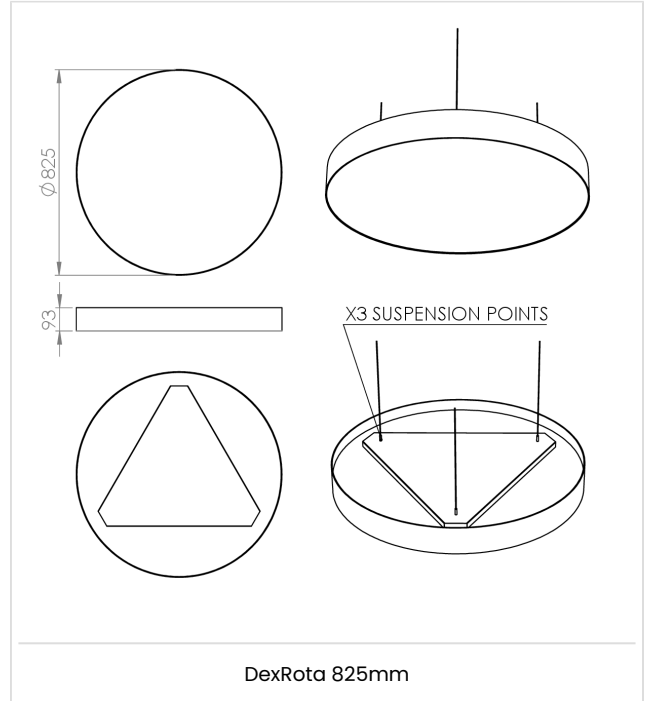
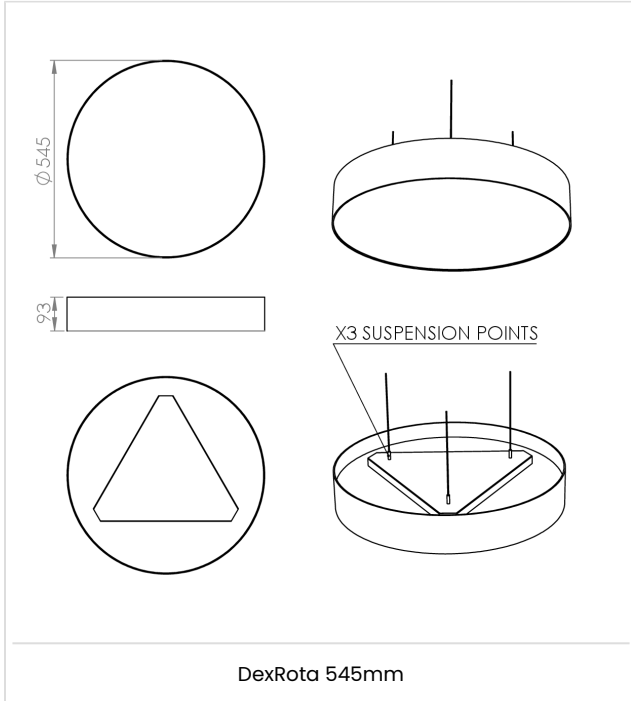
- Available with a wide range of colour temperatures and renderings
- Available in a range of housing sizes and lumen outputs
- Available in white, black or grey finishes

IMAGES

PRODUCT IMAGES



TECHNICAL



WARRANTY

At Dextra our commitment to service has been at the forefront throughout our history spanning more than forty years in the UK lighting market. Our service ethos extends beyond design and delivery, we believe supporting your installation throughout the warranty period is equally crucial, whilst the strength and longevity of Dextra Group provides peace of mind that our warranty will be supported throughout.

The Dextra range is supplied with a five year warranty commencing from the date of delivery. During the first three years defects will be repaired on site and the warranty will include both parts and labour. For the final two years drivers, emergency modules, wireless modules, sensors and LED circuits will be supplied free of charge to replace defective components, labour and other associated costs are not included.

Certain ranges and components are subject to exemptions:

- ▶ Lithium batteries are provided with a five year warranty. During the first three years defects will be repaired on site and the warranty will include both parts and labour. For the final two years replacement batteries will be supplied free of charge to replace defective components. Five year warranty became effective as of 03/02/25, Lithium emergency luminaires supplied prior to this date are supported with a three year on site warranty only. Labour and other associated costs are not included. Nickel Metal Hydride and Nickel Cadmium batteries are provided with a one year warranty for parts and labour.
- ▶ Emergency luminaires including AME2, EXI LED, EXI3, HBE3, HBE4, OAT2 LED and Twinspace are supplied with a one year warranty for parts and labour. Lithium variants suffixed with the 5YR part code, the Autotest emergency with the LA3 part code and wireless variants with LA3RC or LSTR part codes are supplied with a five year warranty. For these extended warranty variants for the first three years defects will be repaired on site and the warranty will include both parts and labour. For the final two years replacement batteries will be supplied free of charge to replace defective components.
- ▶ Protec Micro, PTECF7 Fire Rated Downlights, Serenus and the Opus Sconce are provided with a five year replacement luminaire only warranty. Protec FR Fire Rated Downlights are provided with a 2 year replacement luminaire only warranty.
- ▶ Controls systems such as standalone sensors, switches, marshalling boxes and cabling are provided with a one year warranty for both parts and labour. DALI control systems are provided with a two year warranty for both parts and labour.
- ▶ LEDextra ranges are supplied with a three year parts or replacement luminaire only warranty with the exception of the IMPR RGBW, the Runway RGBW, the MOD RGBW, Tanek RGBW and the DexRing. These five ranges are supplied with our standard five year warranty during which defects within the first three years will be repaired on site and the warranty includes both parts and labour. For the final two years free of charge replacement components only will be supplied to rectify any failures but labour and other associated costs are not included.
- ▶ LEDEX ranges are supplied with a three year replacement luminaire only warranty.
- ▶ The Decorative Pendant ranges, Bebo, Dene, Nova, Fino and Stix are supplied with a 3 year replacement luminaire only warranty.

All warranties are subject to correct use of the product and will be invalidated by misuse, for example incorrect installation, unsuitable environmental conditions or incorrect maintenance. It is the duty of the customer to ensure that all the fault lies with the luminaire prior to requesting replacement parts or site repairs. In the event that no defect is found with the product our costs for attending site will be recharged to the customer and credit

will not be issued against returned products. No consequential losses incurred resulting from any defect with our product will be reimbursed.

Given the nature of LED technology a small percentage of LEDs may fail during the lifetime of a luminaire, this does not cause a reduction in lumen output. As such LED luminaires are only deemed to be faulty for warranty purposes when in excess of ten percent of LEDs have failed in a single luminaire.

On site repair of products under warranty will be undertaken during normal working hours, 9am to 5pm Monday to Friday, and will require unrestricted access to luminaires. Where required Dextra will provide access equipment to carry out repairs at height, should luminaires have been installed in locations where reasonable provision for maintenance access has not been made we reserve the right to supply replacement product only. On site warranty repairs will only be undertaken on the mainland of the UK and Ireland, in all other locations replacement product only will be provided.

If you require any assistance with regards to our products please contact our Customer Services department on 01747 858100.

ORDER CODES

LUMINAIRE

Code	Description	Power	Llm/W
DRO 545 L62 A	DexRota 545mm Downlight 4,743lm, DALI, Colour 84,	32.4W	146
DRO 825 L75 A	DexRota 825mm Downlight 5,878lm, DALI, Colour 84	38.2W	154
DRO 1105 L87 A	DexRota 1,105mm Downlight 6,728lm, DALI, Colour 84	44.0W	153

The luminaire lumen and luminaire lumen per watt values are based on the white finish product. Black and grey finishes will differ, please contact LEDextra for more information.

Bi-Directional versions available on request.

DIMMING

Code	Description
S	Switch Dimming
H	HFR Analogue 1-10v
WT	White Tunable (Lumen Outputs Vary from Standard)
DMX	Digital Multiplex available on request

CONTROL

Code	Description
RC	Reacta-Control, Wireless Enabled Luminaire
RLI	Reacta Link, Wireless Enabled Luminaire*

*RLI is subject to limitations. Please contact LEDextra for information.

EMERGENCY

Code	Description
LE3	Lithium Standard Emergency 3 Hour
LS3	Lithium Selftest Emergency 3 Hour
LA3	Lithium Autotest Emergency 3 Hour
LA3D	Lithium DexNET Emergency 3 Hour
LSTR	Lithium Reacta-Link Emergency 3 Hour

MISCELLANEOUS

Code	Description
WH	White Finish
BL	Black Finish
GY	Grey Finish
C**	Select Colour Temperature and Rendering; C83, C84 (other options available on request)
HUB	Hub Suspension

Please note power cable to be supplied by others

220-240V / 50-60Hz
IP20

Terminal Labelling:

Power

L1 Switched Live
E Earth
N Neutral

Emergency

L2 Unswitched Live
DA/AT3 DALI Autotest
DA/AT3 DALI Autotest

Dimming

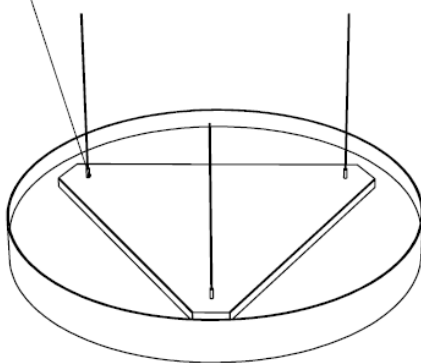
-/D1/DA Analogue/DSI/DALI
+/D2/DA Analogue/DSI/DALI
L3 Switch Dim / Corridor Function



WARNING: Luminaire must be earthed. Risk of electric shock from LED boards if operated with cover removed. Installation / operation outside of luminaires intended scope invalidates warranty. Suitable only for domestic / light industrial / industrial applications within the scope of EN55015. Tested to compliance with BSEN 60598: specification for general requirements and tests. Must be installed by a suitably qualified person in accordance with all relevant legislation. Ambient operating temperature of 0°C to 25°C. If maximum operating temperature is exceeded luminaire will automatically dim / switch off. Terminal blocks are rated to 16A unless stated otherwise. The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person. **LUMINAIRES WITH EMERGENCY PACK:** When supply is isolated battery output terminals may be live if battery is connected. Isolate mains and battery before servicing. Emergency luminaires require unswitched live connection taken from same phase as switched supply. When unswitched supply is connected status indicator illuminates green, when unswitched supply is disconnected indicator extinguishes and luminaire operates in emergency mode. 24 hour charge period required before undertaking full discharge test. Emergency test sheets provided should be used to record all emergency tests. Batteries should be replaced when 3 hour duration is not met. Excessive switching of permanent live may result in premature battery failure. Battery electrolyte can be harmful to eyes / open wounds, do not puncture, if electrolyte touches skin / eyes flush with water. Do not incinerate batteries.

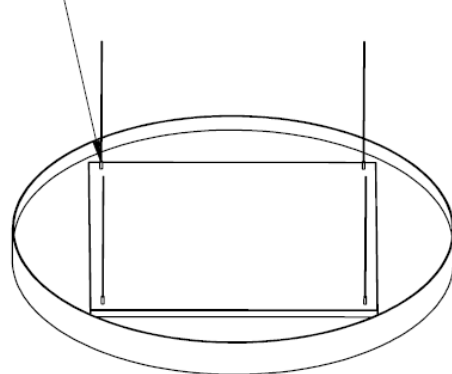
545mm & 825mm

X3 SUSPENSION POINTS



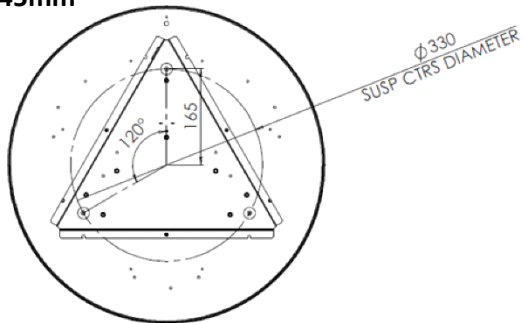
1105mm

X4 SUSPENSION POINTS

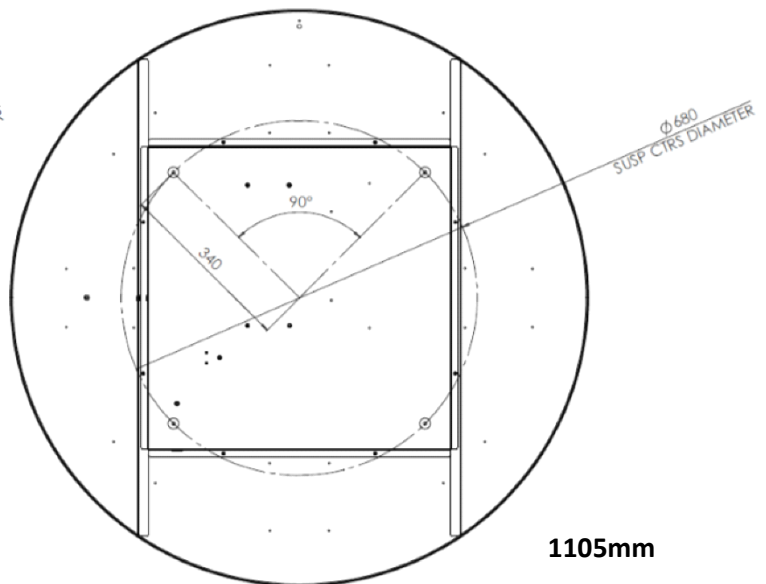
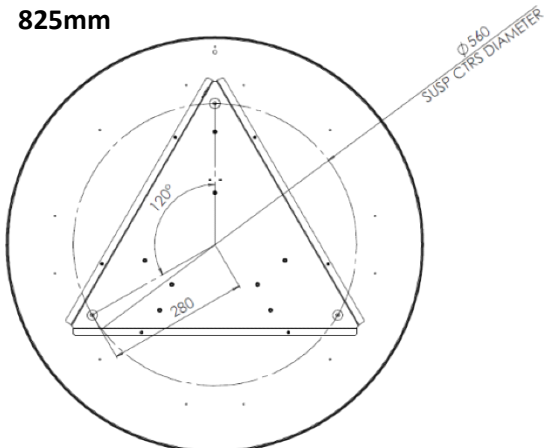


Suspension Point Dimensions

545mm

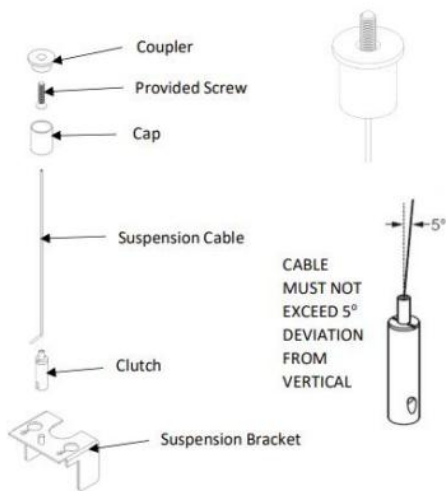


825mm



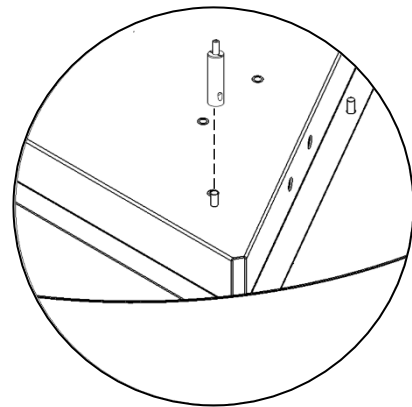
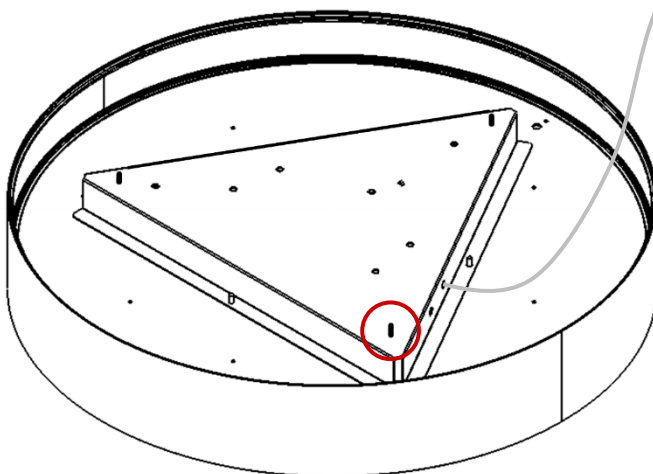
1105mm

SUSPENSION KIT



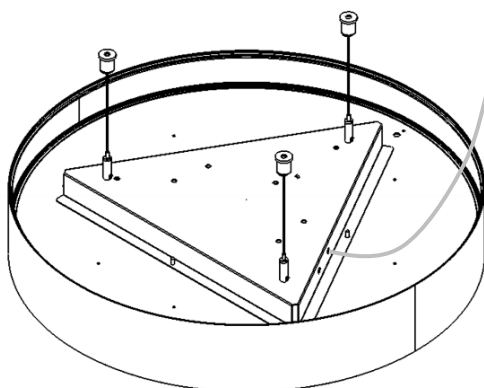
- Mount the couplers to the ceiling using the screws provided in the suspension kit.
- Pass the suspension cables through the caps.
- Tighten the caps to the couplers already mounted to the ceiling.
- Tighten the clutches to the suspension brackets.
- Lift the luminaire and attach the loose ends of the cables through the top of the clutch until the cable comes through the hole on the side of the clutch.
- Pull on the cables to lift luminaire closer to the ceiling and set desired height.
- Level the luminaire ensuring each suspension cable is under tension.
- Trim the excess suspension cable.

1.



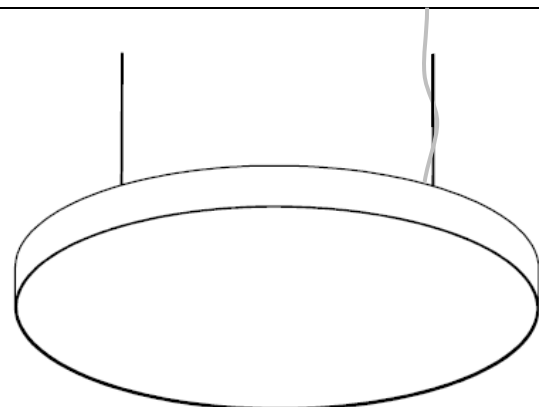
Screw the clutches to the clinch studs, located on the rear tray.

2.



Lift the luminaire into place and level, ensuring each suspension cable is under tension. Then trim the excess suspension cable.

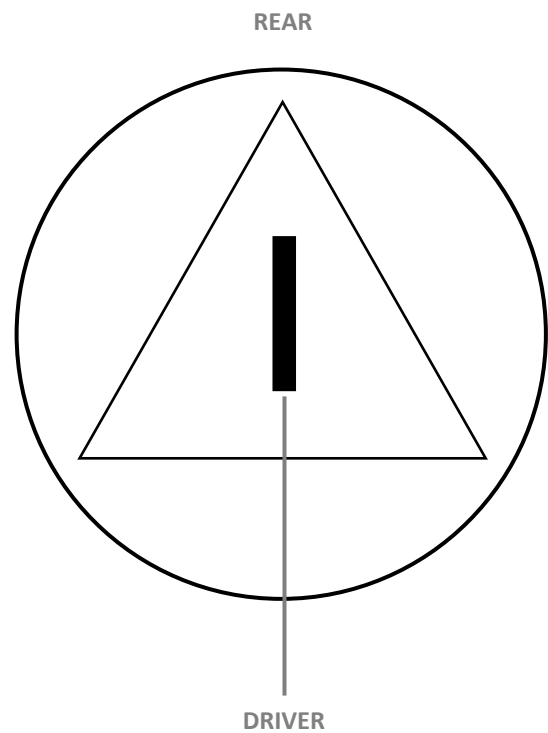
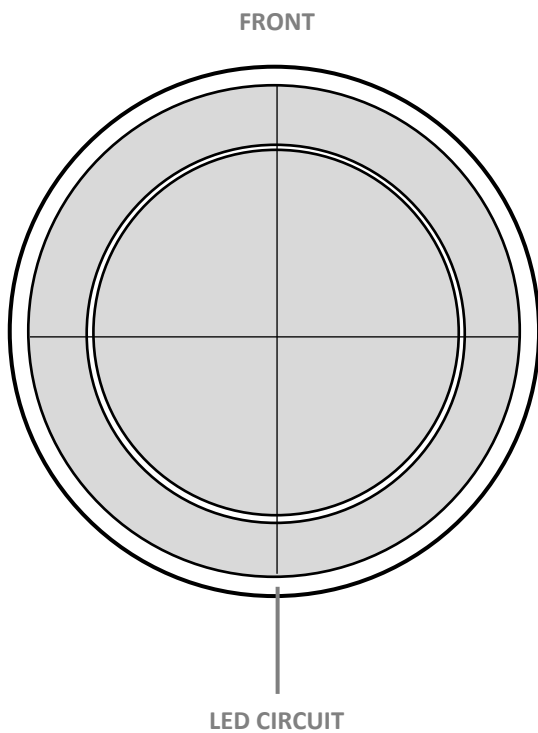
3.



All suspended variants are supplied with a pre-fitted 3.5m flex. Once connected, test to complete installation.

Maintenance Guide

1. Disconnect the luminaire before undertaking any maintenance or cleaning.
2. Cleaning should be undertaken on external parts of the luminaire only, using a slightly damp, lint-free cloth.
3. Remove the front diffuser to access the LED circuit and remove the rear tray to access the driver and terminals.



220-240V / 50-60Hz
IP20

Terminal Labelling:

Power

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E Earth
N Neutral

Emergency

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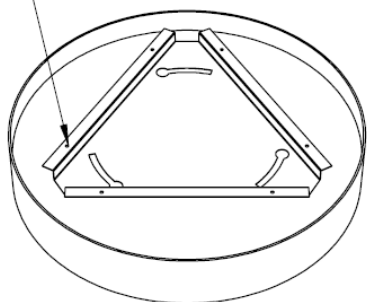
Dimming

-/D1/DA Analogue/DSI/DALI
+/D2/DA Analogue/DSI/DALI
L3 Switch Dim / Corridor Funct



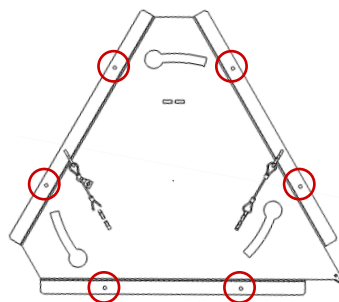
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X6 4.5MM SCREW HOLES



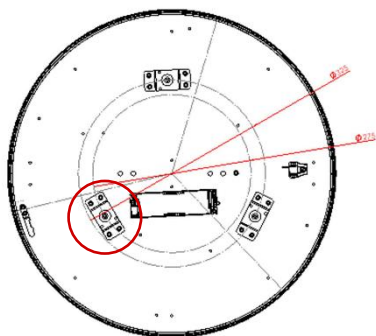
FLEX NOT SUPPLIED

1.



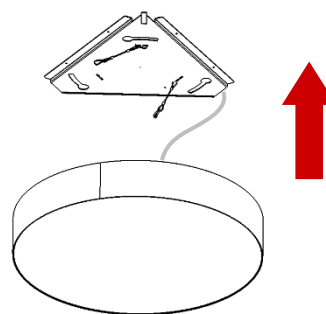
Fix the mounting plate to the ceiling using the 4.5mm fixing holes. Ensure safety tethers are fitted and earth leads connected before continuing.

2.



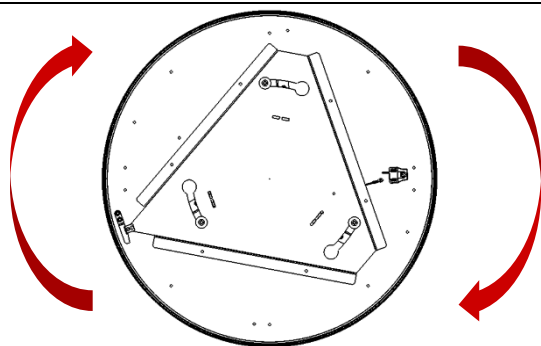
One of the mounting brackets on the top of the fitting is offset from the others, so the luminaire can only be fitted in the correct orientation.

3.



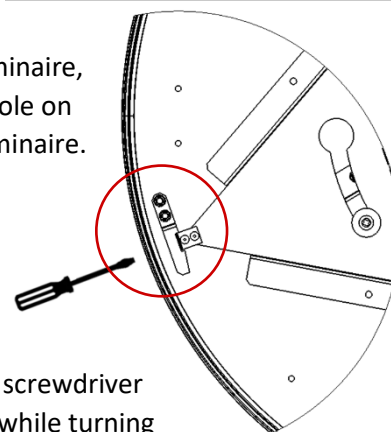
Align the luminaire to the ceiling bracket, ensuring the safety cords and earth lead are connected. Then wire in the flex, using the strain relief to secure.

4.



Once the bracket is in place, twist the luminaire clockwise to lock in place. *Note - there will be some resistance before the luminaire clicks in place.*

To release the luminaire, locate the small hole on the side of the luminaire.



Then push a small screwdriver through the hole, while turning anticlockwise, to release the spring clip.

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3. Remove the front diffuser to access the LED circuit and remove the rear tray to access the driver and terminals.

