



# PRODUCT SPECIFICATION

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DISCALO



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## INTRODUCTION

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The Discalo provides an efficient yet decorative wall mounted solution with halo back light for applications ranging from corridors and receptions through to bars and restaurants. With 1500, 2000, 3000 and 4000 lumen output options, white back light halos, integral lithium emergency offering extended lifetime and warranty as well as integral sensor options the Discalo LED is easily tailored to your needs both aesthetically and at a functional level. The integral microwave sensor is available in either on / off or bi level versions and also include wirelessly linked variants to enable luminaires to be grouped for simultaneous operation.

This flexibility of function and form is complimented with highly efficient premium LEDs offering excellent efficiency and long lifetime of L90 at 60,000 operating hours whilst the Discalo can also be surface mounted on walls and ceilings or suspended using our P410 four point suspension kit.



CE IP20 TM21: L90>60K HOURS / L80>90K HOURS 3 STEP MACADAM ELLIPSE

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## APPLICATION

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- Canteen
- Commercial / Offices
- Corridor
- Education
- Healthcare / Social Housing
- Hotel / Leisure

- Office
- Stairwell

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## SPECIFICATION

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### CONSTRUCTION

- Housing: High pressure die cast aluminium
- Finish: Matt grey
- Diffuser: Injection moulded high transmission opal polycarbonate
- IP20
- Rear diffuser provides backlight halo effect.

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### PERFORMANCE

- BSEN 12464-1:2011 3000 Candela 65° and UGR 19 compliance
- 3SDCM Three step Macadams ellipse
- Up to 97 luminaire lumens per circuit Watt.

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### 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.
- All critical components are mounted on a single tray for simple end of life repair or upgrade.
- Powered by European branded drivers and emergency modules ensuring replacement parts are easily sourced.
- Every luminaire is labelled with a unique ID number allowing easy identification of spare parts for the lifetime of the product.
- Contains no single use plastics or polystyrene packaging.
- Supplied in plain card boxes with paper tape ensuring packaging is easily recycled.
- Designed to allow simple disassembly for end of life recycling.
- UK based manufacturing providing local support throughout the product lifetime and minimising transportation miles.

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### EMERGENCY

- Available with optional standard, self test and autotest integral emergency with lithium batteries for extended warranty and lifetime.
- Optional Reacta-Link wireless emergency for automated centralised reporting.
- Optional Reacta-Control wireless emergency for automated centralised reporting.

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### CONTROL

- Optional compatibility with a range of dimming systems including DALI, DSI and Switch Dimming
- Optional Integral R25 microwave presence and bright out sensor

- Optional integral Reacta-Link for integration with Reacta-Link wireless installations
- Optional integral Reacta-Control for integration with Reacta-Control wireless installations

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#### INSTALLATION

- Suitable for suspended installation
- Suitable for conduit installation
- Suitable for surface installation
- Retrofit in existing luminaires

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#### VARIATIONS

- Available with a wide range of colour temperatures and renderings
- Available in a range of lumen outputs
- Available with optional night light

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## IMAGES

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#### PRODUCT IMAGES



Discalo



Discalo Lit

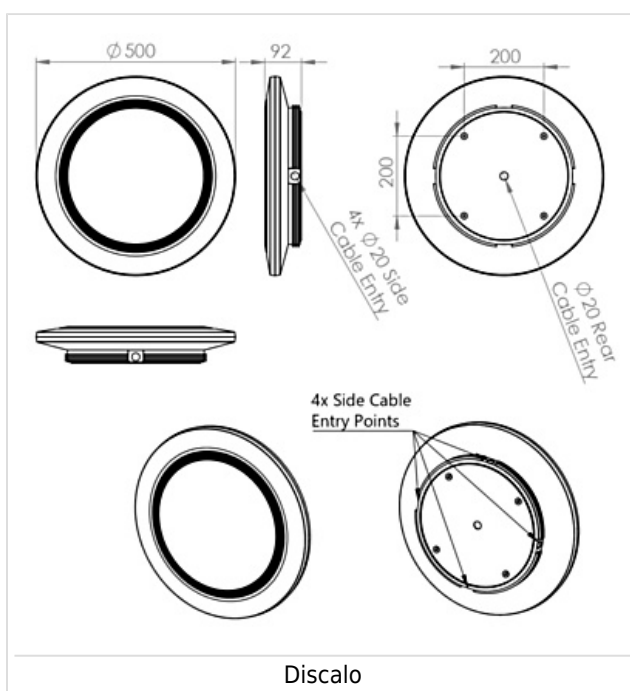


Discalo with suspension kit

#### PROJECT IMAGES



## TECHNICAL



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## WARRANTY

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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 AME LED, EXI LED, EXI3, EXI Track, HBE LED, HBE3, OAT2 LED, OEZ2 and Twinspot 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
DSC L15 OP	Discalo, 933lm, Opal Rear Diffuser, Colour 84	10.1W	92
DSC L20 OP	Discalo, 1,283lm, Opal Rear Diffuser, Colour 84	13.4W	95
DSC L30 OP	Discalo, 1,915lm, Opal Rear Diffuser, Colour 84	19.6W	97
DSC L40 OP	Discalo, 2,560lm, Opal Rear Diffuser, Colour 84	27.2W	94

### DIMMING

Code	Description
A	DALI Digital Addressable Lighting Interface
S	Switch Dimming
D	DSI Digital Dimming
C	Bi-Level Dimming For Standalone Switched Sensor

### CONTROL

Code	Description
R25E	Reacta 25, Presence & Bright Out, On / Off, 2.5-4M
R25C*	Reacta 25, Presence & Bright Out, Bi-Level Dimming, 2.5-4M
RLM	Reacta-Link, Wireless, Presence & Bright Out, 2.5-4M
RC	Reacta-Control, Wireless Enabled Luminaire
RCMC*	Reacta-Control, Presence & Bright Out, Bi-level Dimming, 2.5-4M
RCME	Reacta-Control, Presence & Bright Out, On / Off, 2.5-4M

Please click [here](#) for full details on our wireless controls.

\*Bi-Level Dimming will only dim the luminaire to 10% during absence and brightout, it will not turn the luminaire off.



EMERGENCY

Code	Description
LE3	Lithium Standard Emergency 3 Hour
LS3	Lithium Selftest Emergency 3 Hour
LA3	Lithium Autotest Emergency 3 Hour
LSTR	Lithium Reacta-Link Emergency 3 Hour
LA3RC	Lithium Reacta-Control Emergency 3 Hour
CB	Central Battery, Please Specify 110V or 230V when Ordering

MISCELLANEOUS

Code	Description
C**	Select Colour Temperature and Rendering; C827, C83, C85, C865, C93, C94
SUSP 4 POINT 3M BF X4	Four Point Suspension Kit
NL	Night Light (Non Emergency Variants Only)
LSF	Low Smoke Zero Halogen



220-240V / 50-60Hz  
IP20



**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.

## Terminal Labelling:

### Power

L1 Switched Live  
E Earth  
N Neutral

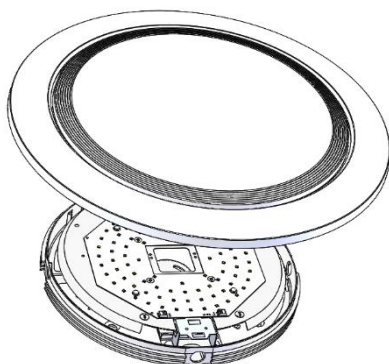
### Emergency

L2 Unswitched Live  
DA/AT3 DALI Autotest  
DALI Autotest

### Dimming

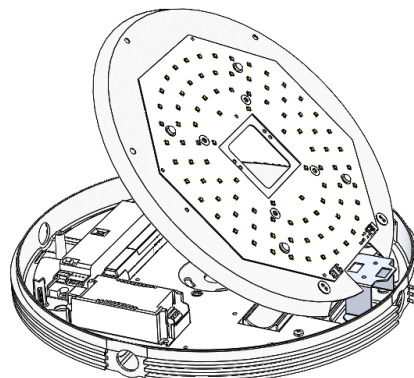
-D1/DA Analogue/DSI/DALI  
+/D2/DA Analogue/DSI/DALI  
L3 Switch Dim / Corridor Function

1.



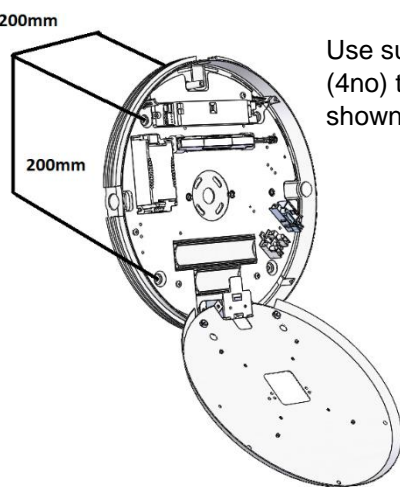
Carefully remove the front outer ring and diffuser by gently pulling around the outer edge. Set aside somewhere safe.

2.



Loosen screw – open cover the access base unit.

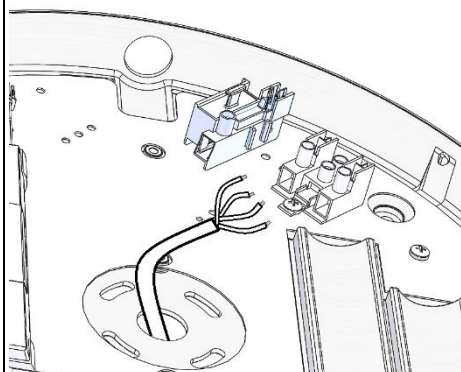
3.



Use suitable fixings (4no) to dimensions shown below.

4.

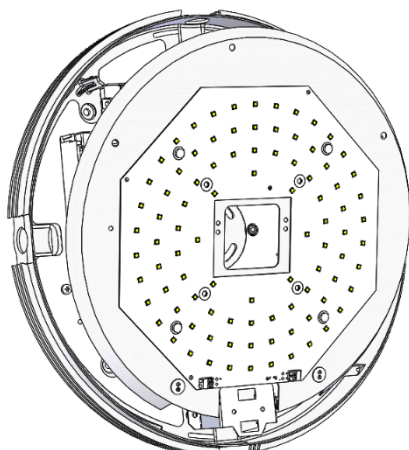
Feed the mains cable in through one of the designated cable entries and connect to terminal block(s). Ensure cable is secured in cable clamp



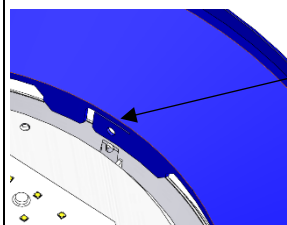
On emergency fittings, LED should be mounted in to specific cable entry plug.

5.

Re-fit cover.

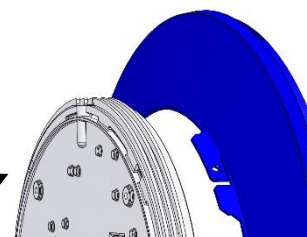


6.



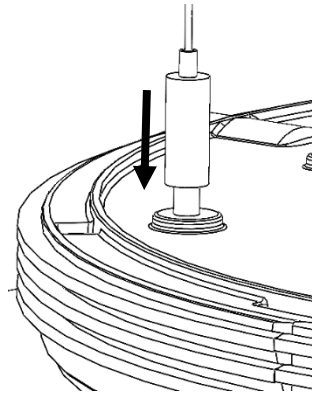
Ensure slots in diffuser ring are accurately aligned with 'pegs' in aluminium base.

To attach diffuser engage slots on to pegs and rotate anti-clockwise.



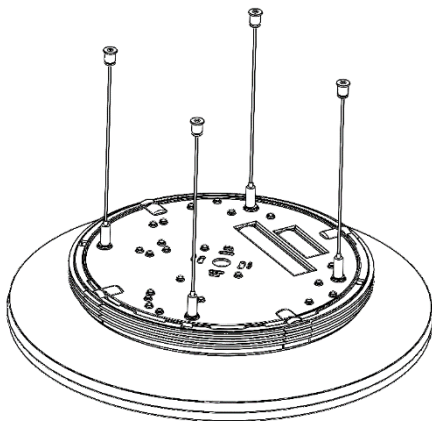
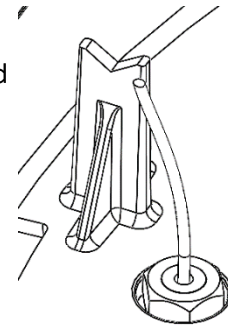
## 7. Suspended

Feed clutch through back of fitting.



## 8.

Fix nut from inside of fitting onto the clutch and cut wire to desired length.



### Maintenance

- 1 Disconnect 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 To access fitting turn the diffuser anticlockwise to remove.
- 4 Use a pan pozi screwdriver to access gear tray and remove components.
- 5 Please contact Dextra for assistance with spare component supply.

