



## PRODUCT SPECIFICATION

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CORNICE



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## INTRODUCTION

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Ideally suited to corridors in academia and health care, however equally useful in any area where luminaires can only be mounted into the cornice, the Cornice provides a highly efficient and long life solution. The Cornice is suitable for both standalone and continuous run installation and is available in 1200mm and 1500mm lengths and a wide range of lumen outputs allowing it to meet the demands of a wide range of applications.

The Cornice is also available with DALI, Switch Dim, DSI and Analogue dimming and lithium emergency in basic, self test and autotest variants. Integral microwave sensors can also be included where energy savings must be maximised including our wireless linked microwave sensor allowing grouped operating of luminaires without the additional expense of installing a wired system. We offer a range of wireless control systems providing localised grouping and control as well as comprehensive wireless solutions allowing both standard and emergency luminaires to be centrally monitored. For healthcare applications a nightlight can be specified to provide low level lighting during rest periods.

**UK**  
**CA** CE IP40 IK10 TM21: L90>60K HOURS / L80>100K HOURS 3 STEP MACADAM ELLIPSE

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## APPLICATION

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- Corridor
- Education
- Healthcare / Social Housing
- Industrial / Manufacturing
- Transport
- Warehousing

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## SPECIFICATION

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### CONSTRUCTION

- Housing: 0.7mm CR4 steel
- Finish: Polyester powder painted RAL 9016 textura matt white
- Diffuser: 2mm high transmission opal polycarbonate TP(a) rated
- IK10
- IP40

### PERFORMANCE

- Part L2 compliant
- 3SDCM Three step Macadams ellipse
- TM21: L90>60K Hours / L80>100K Hours
- Up to 156 luminaire lumens per circuit Watt.

### 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.
- 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.

### 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 central battery changeover relay

#### CONTROL

- Optional compatibility with a range of dimming systems including DALI, DSI and Switch Dimming
- Optional White tunable
- 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

#### INSTALLATION

- Suitable for surface installation

#### VARIATIONS

- Available with a wide range of colour temperatures and renderings
- Available in a range of housing sizes and lumen outputs

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## IMAGES

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### PRODUCT IMAGES



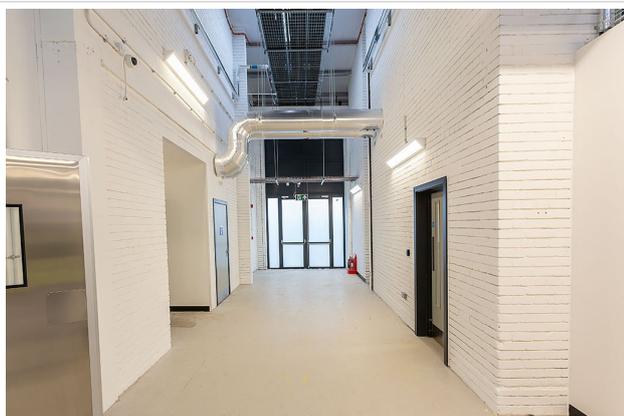
PROJECT IMAGES



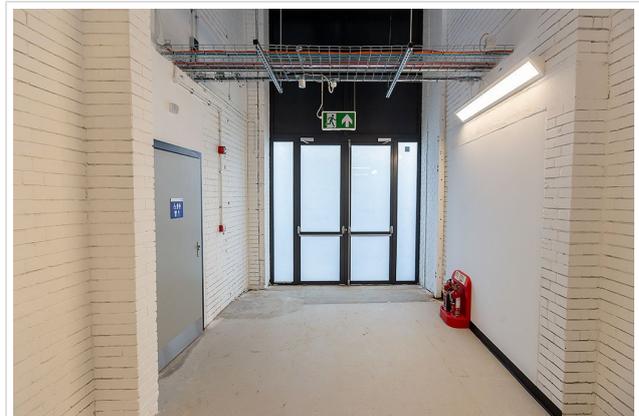
The Lighthouse Corona Testing Lab using the Cornice LED



The Lighthouse Corona Testing Lab using the Cornice LED

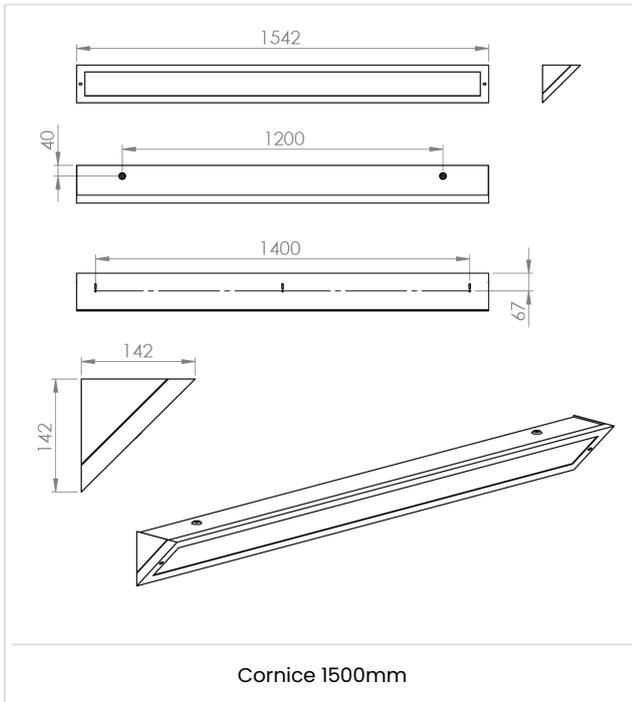


The Lighthouse Corona Testing Lab using the Cornice LED



The Lighthouse Corona Testing Lab using the Cornice LED and EX12 LED

**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 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
COR L26	Cornice, 1200mm, 1,989lIm, Colour 84.	14.7W	135
COR L38	Cornice, 1200mm, 2,907lIm, Colour 84.	20.5W	142
COR L35	Cornice, 1500mm, 2,758lIm, Colour 84.	18.6W	148
COR L45	Cornice, 1500mm, 3,546lIm, Colour 84.	23.1W	153
COR L54	Cornice, 1500mm, 4,255lIm, Colour 84.	27.7W	154
COR L63	Cornice, 1500mm, 4,964lIm, Colour 84.	31.8W	156
COR L96	Cornice, 1500mm, 7,569lIm, Colour 84	51.1W	148

### DIMMING

Code	Description
A	DALI Digital Addressable Lighting Interface
S	Switch Dimming
D	DSI Digital Dimming
H	HFR Analogue 1-10v
C	Bi-Level Dimming For Standalone Switched Sensor
WT	White Tunable (Lumen Outputs Vary from Standard)

Please click [here](#) for full details on our white tunable offer.

### CONTROL

Code	Description
DN	DexNET Node, Wireless Node only.
R25E	Reacta 25, Presence & Bright Out, On / Off, 2.5-4M
R25C*	Reacta 25, Presence & Bright Out, Bi-Level Dimming, 2.5-4M
RLI	Reacta-Link, Wireless Enabled Luminaire
RC	Reacta-Control, Wireless Enabled Luminaire

\*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
LA3D	Lithium DexNET 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
LSF	Low Smoke Zero Halogen
NL	Night Light

# Cornice Installation

220-240V / 50-60Hz

IP40

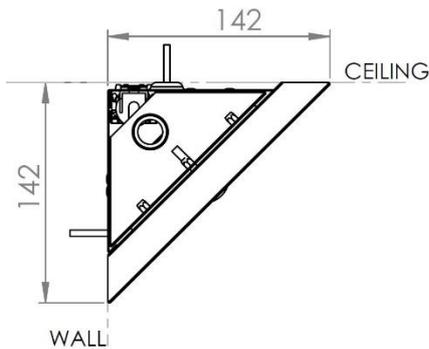
IK10



**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 light source 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:	
<b>Power</b>	
L / 1	Switched Live
E / ⚡	Earth
N	Neutral
<b>Emergency</b>	
L2 / 2	Unswitched Live
DA/AT3	DALI Autotest
DA/AT3	DALI Autotest
<b>Dimming</b>	
-D1/DA	Analogue/DSI/DALI
+D2/DA	Analogue/DSI/DALI
SD	Switch Dim / Corridor Function

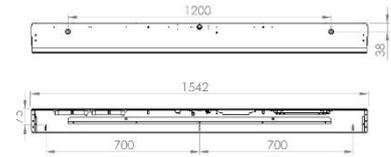
1.



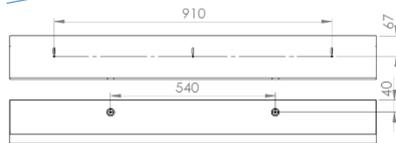
X-section through fitting – note that fitting should be mounted with dimpled fixings to ceiling!

2.

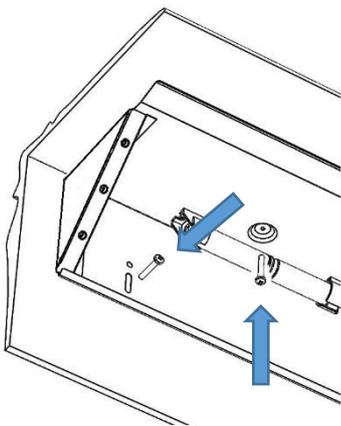
1500 fitting: 2No fixings to ceiling @1200mm centres.....3No fixings on wall @700mm centres...



1200 fitting: 2No fixings to ceiling @540mm centres.....3No fixings on wall @455mm centres...

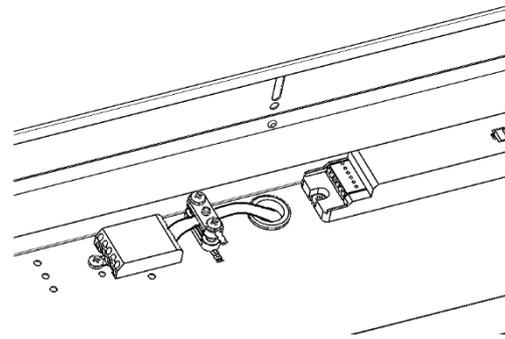


3.



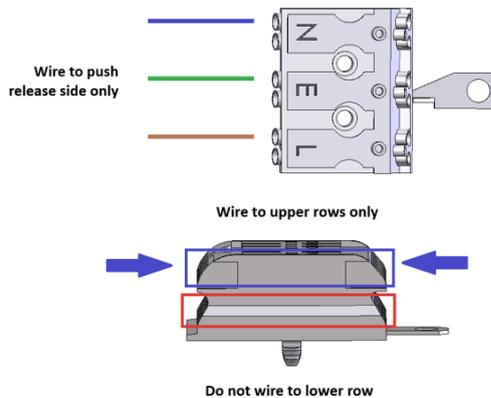
Main housing can be mounted to wall and / or ceiling. It is recommended that it is secured to both.

4.

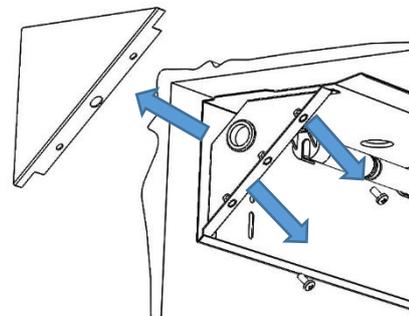


Electrical feed can come through central hole (shown) or through the end plate. Use cable clamp kit provided.

5.

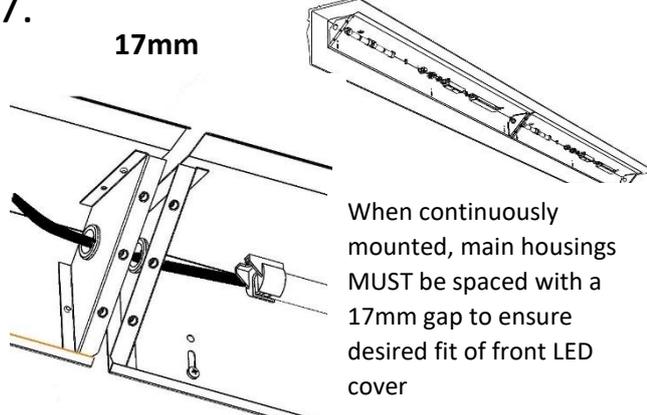
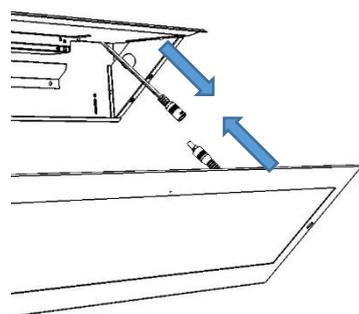
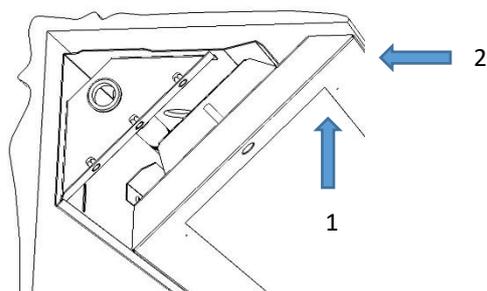
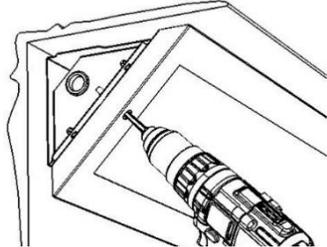
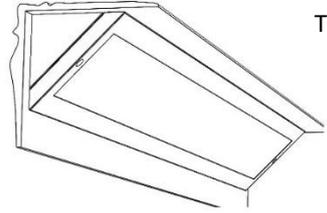


6.



Where fittings are fitted continuously, blanking end covers must be removed (leave in place for start and end of runs)

## Cornice Installation

<p><b>7.</b></p> <p><b>17mm</b></p>  <p>When continuously mounted, main housings <b>MUST</b> be spaced with a 17mm gap to ensure desired fit of front LED cover</p>	<p><b>8.</b></p>  <p>When offering up front LED cover, make sure cable is connected between the two sections! Ensure earth lead is also connected to frame!</p>
<p><b>9.</b></p>  <p>Cover should be pushed to ceiling first (1) and then forced on to the main housing (2) – this will grip the cover prior to securing with screws</p>	<p><b>10.</b></p>  <p>Front LED cover is secured to main housing via the M4 screw at each end – tighten sufficient to ensure contact with both wall and ceiling – do not over-tighten. Fit 10mm white plugs to complete installation</p>
<p><b>11.</b></p>  <p>Test for operation</p>	<p><b>12. Sensor versions only</b></p> <p>When fitted with R25W sensor, it will be necessary to commission luminaire using specific APP – search for MICAS AUTOLIGHT (iOS compatible only)</p>
<p><b>Maintenance</b></p> <ol style="list-style-type: none"> <li>1 Disconnect luminaire before undertaking any maintenance or cleaning.</li> <li>2 Cleaning should be undertaken on external parts of the luminaire only using a slightly damp lint free cloth.</li> <li>3 Use a pan pozi screwdriver to remove frame. The frame will come away with LED tray attached.</li> <li>4 To remove LED tray from frame use a spanner to remove all nuts.</li> <li>5 To remove components from gear tray use a pan pozi screwdriver.</li> <li>6 Please contact Dextra for assistance with spare component supply.</li> </ol> 