

# Product Specification

LINEAR RETROFIT



## INTRODUCTION

Continuously run and standalone linear luminaires such as our Runway have been widely adopted throughout the UK and are commonplace in a diverse range of applications. Given their architectural nature these are typically high value luminaires and in recessed applications these are often cut into solid ceilings meaning complete replacement is often costly or impractical. When such luminaires reach end of life our retrofit gear tray solution offers a cost effective method to upgrade the most common linear systems on the market whilst ensuring that only the gear tray is replaced minimising the environmental impact of renewing your installation.

Our linear retrofit system allows the installation of highly efficient long life LED solutions providing substantial energy savings compared to fluorescent and old generation LED luminaires. We are also able to provide a range of dimming, integral emergency and our wireless controls systems offering further energy savings and automated emergency testing reducing ongoing maintenance costs. In many cases we can supply replacement diffusers also, revitalising old luminaires and ensuring that light transmission is optimised, please advise if this is a requirement with your enquiry.

All Dextra retrofit systems are designed to ensure that the upgrade will provide effective performance without compromising the lux levels and uniformity of your installation. For peace of mind these solutions are fully certified with a CE mark and we provide our 5 year warranty against replacement LED trays as we do with all new luminaires.



CE IP20 TM21: L90>60K HOURS / L80>100K HOURS 3 STEP MACADAM ELLIPSE

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## APPLICATION

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- Retrofit solution for existing linear systems

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## SPECIFICATION

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### CONSTRUCTION

- Housing: 0.7mm CR4 steel
- Finish: Polyester powder painted RAL 9016 textura matt white
- IP20

### PERFORMANCE

- Part L2 compliant
- 3SDCM Three step Macadams ellipse
- TM21: L90>60K Hours / L80>100K Hours

### 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 Reacta-Control wireless emergency for automated centralised reporting.

### CONTROL

- Optional compatibility with a range of dimming systems including DALI, DSI and Switch Dimming
- Optional integral Reacta-Control for integration with Reacta-Control wireless installations

### VARIATIONS

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

### INSTALLATION

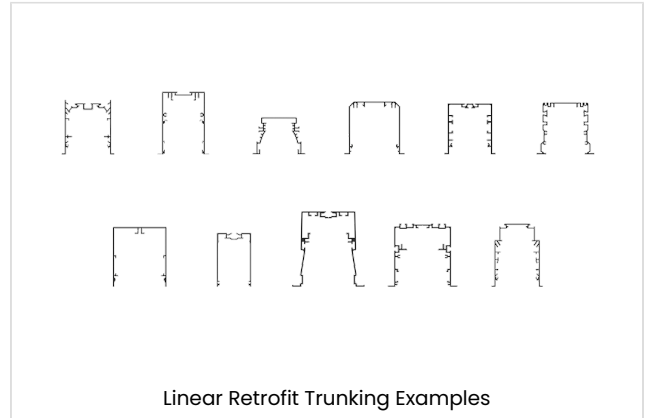
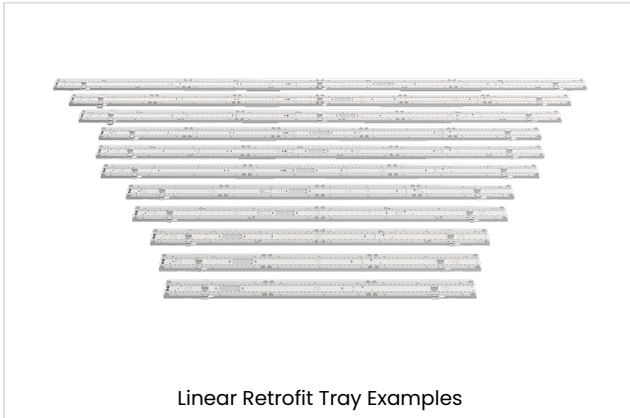
- Retrofit LED cartridges suitable for a range of linear systems, please specify existing luminaire type when enquiring
- Replacement diffusers can be offered subject to quantity and system type, please advise if this is a requirement when enquiring

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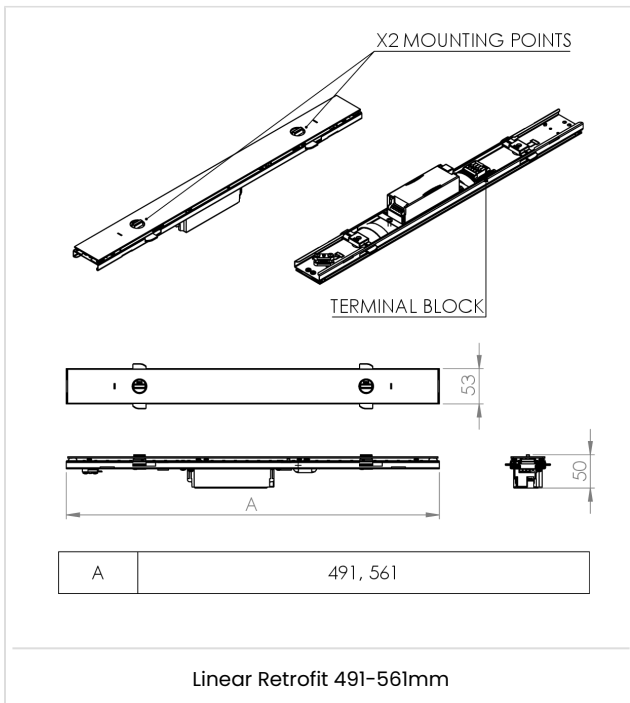
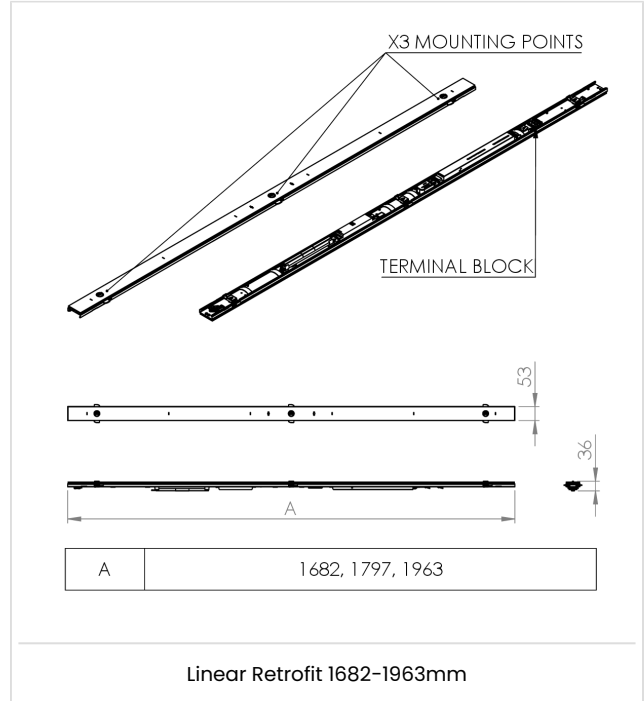
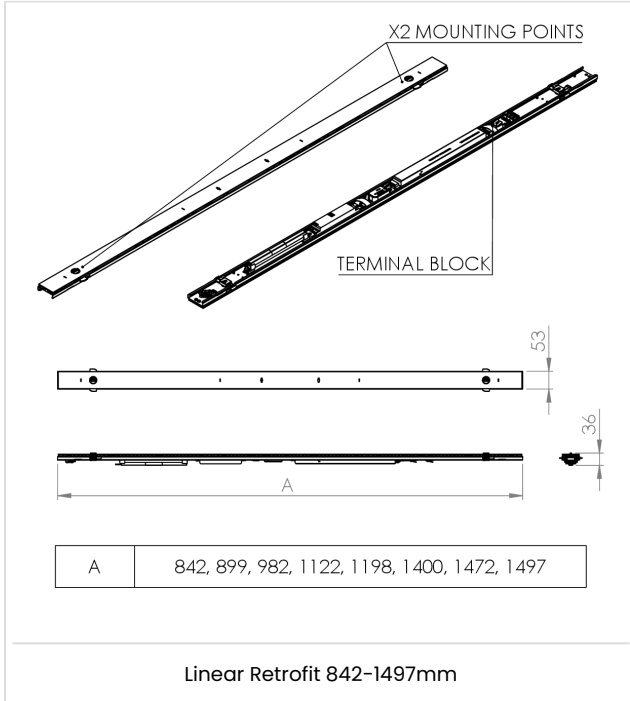
## IMAGES

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### PRODUCT 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 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
LR* 491 L11	Linear Retrofit, 491mm, 1,100lm, Colour 84		
LR* 561 L13	Linear Retrofit, 561mm, 1,300lm, Colour 84		
LR* 561 L23	Linear Retrofit, 561mm, 2,300lm, Colour 84		
LR* 842 L19	Linear Retrofit, 842mm, 1,900lm, Colour 84		
LR* 842 L34	Linear Retrofit, 842mm, 3,400lm, Colour 84		
LR* 899 L20	Linear Retrofit, 899mm, 2,000lm, Colour 84		
LR* 899 L37	Linear Retrofit, 899mm, 3,700lm, Colour 84		
LR* 982 L23	Linear Retrofit, 982mm, 2,300lm, Colour 84		
LR* 982 L40	Linear Retrofit, 982mm, 4,000lm, Colour 84		
LR* 1122 L26	Linear Retrofit, 1,122mm, 2,600lm, Colour 84		
LR* 1122 L46	Linear Retrofit, 1,122mm, 4,600lm, Colour 84		
LR* 1198 L27	Linear Retrofit, 1,198mm, 2,700lm, Colour 84		
LR* 491 L20	Linear Retrofit, 491mm, 2,000lm, Colour 84		
LR* 1400 L32	Linear Retrofit, 1,400mm, 3,200lm, Colour 84		
LR* 1400 L57	Linear Retrofit, 1,400mm, 5,700lm, Colour 84		
LR* 1472 L34	Linear Retrofit, 1,472mm, 3,400lm, Colour 84		
LR* 1472 L60	Linear Retrofit, 1,472mm, 6,000lm, Colour 84		
LR* 1497 L35	Linear Retrofit, 1,497mm, 3,500lm, Colour 84		
LR* 1497 L62	Linear Retrofit, 1,497mm, 6,200lm, Colour 84		
LR* 1682 L39	Linear Retrofit, 1,682mm, 3,900lm, Colour 84		
LR* 1682 L69	Linear Retrofit, 1,682mm, 6,900lm, Colour 84		
LR* 1797 L41	Linear Retrofit, 1,797mm, 4,100lm, Colour 84		
LR* 1797 L74	Linear Retrofit, 1,797mm, 7,400lm, Colour 84		
LR* 1963 L45	Linear Retrofit, 1,963mm, 4,500lm, Colour 84		
LR* 1963 L80	Linear Retrofit, 1,963mm, 8,000lm, Colour 84		
LR* 1198 L49	Linear Retrofit, 1,198mm, 4,900lm, Colour 84		

#### DIMMING

Code	Description
A	DALI Digital Addressable Lighting Interface
S	Switch Dimming
D	DSI Digital Dimming

#### CONTROL

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

#### 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

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### MISCELLANEOUS

Code	Description
C**	Select Colour Temperature and Rendering; C83, C85, C865, C93, C94
LR INSTALL KIT	Linear Retrofit Installation Kit
4TW	4 Pole Through Wire Loom
6TW	6 Pole Through Wire Loom
4ER	4 Pole End of Run
6ER	6 Pole End of Run
LSF	Low Smoke Zero Halogen

# Linear Retrofit Installation

220-240V / 50-60Hz  
IP20 IK00

**Terminal Labelling:**

**Power**

L1 Switched Live  
E Earth  
N Neutral

**Emergency**

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

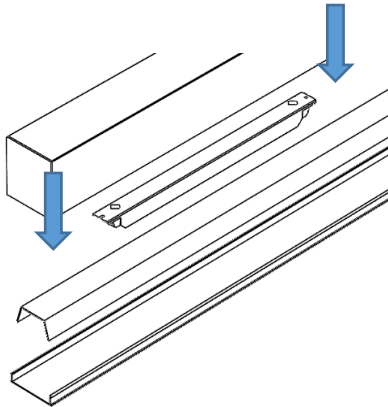
**Dimming**

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



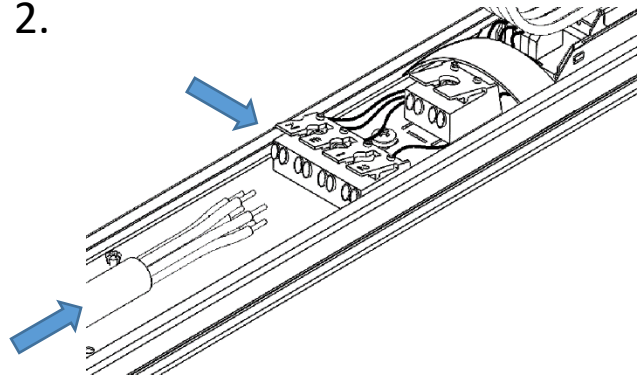
**WARNING:** Luminaire must be earthed. Risk of electric shock from LED boards if operated with cover removed. Installation / operation outside of luminaires intended scope invalidates warranty. Suitable only for domestic / light industrial / industrial applications within the scope of EN55015. Tested 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.

1.



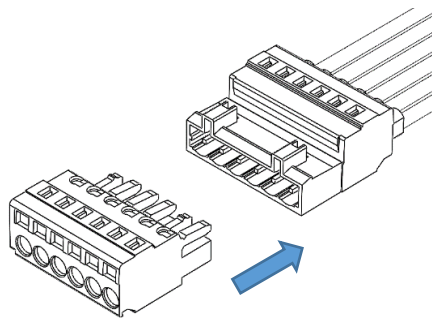
Remove and retain the existing diffuser. Disconnect all wiring and responsibly dispose of the old tray.

2.



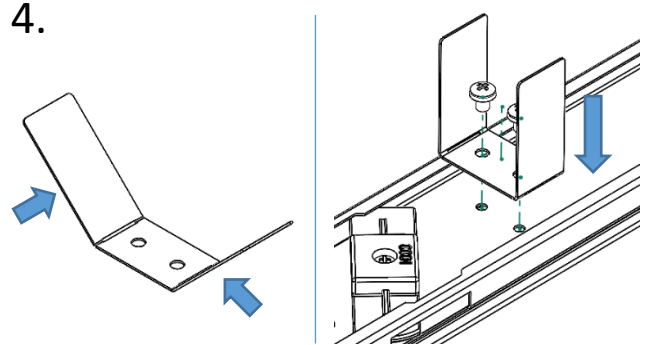
**ST TRAY ONLY:** For the first tray of the run, wire in and establish a connection to the fixed piano key terminal block.

3.



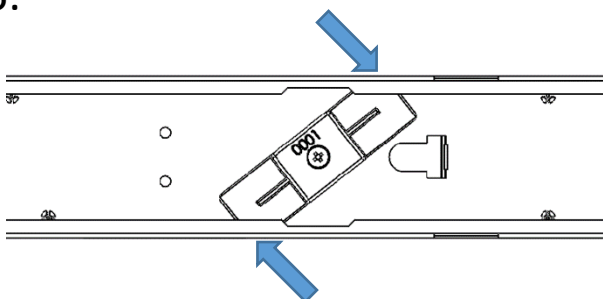
**ST TRAY ONLY:** Use the 0620 INSTALL KIT to terminate the loom connector on the starter tray.

4.



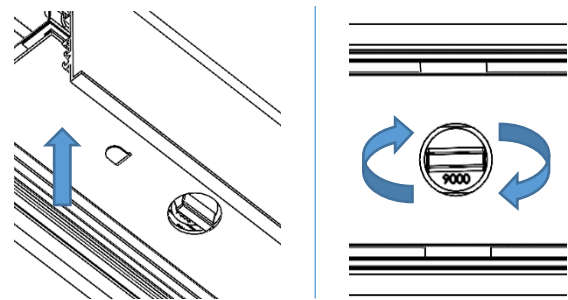
**LTS/CL TRAY ONLY:** Fold and install the stand-off bracket. Bracket/screws will be packed separately. Two brackets per tray - where supplied.

5.



Ensure the quarter turns are rotated and not protruding over the edge of the tray.

6.



Lift the tray up and push into the trunking until it comes to a stop. Rotate the quarter turns clockwise to lock in place.

## Linear Retrofit Installation

