

# PRODUCT SPECIFICATION

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RUNWAY RECESSED



## INTRODUCTION

Where lighting must fulfil both architectural and practical purposes the Runway Recessed provides a slim line appearance with an extruded aluminium housing available in three colour options, offering the versatility of a range of lengths and lumen outputs ensuring that you can create a layout that enhances any space creating an attractive environment for workers or to entice customers.

This flexibility is further enhanced with optional integral emergency, white tunable, dimming, integral sensors and two optic styles, a minimalist opal finish or microprism for glare compliance for use in office and school areas. The Runway also incorporates the latest mid power LEDs ensuring optimal energy efficiency with minimal need for maintenance over the course of its lifetime.

The Runway is also available in a wide range of variants including continuous, surface and pendant cross or square shapes. 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.

UK CA	CE	IP20	TM21: L90>60K HOURS / L80>90K HOURS	3 STEP MACADAM ELLIPSE
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## RUNWAY RECESSED – APPLICATION

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- Education
- Office
- Retail

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## RUNWAY RECESSED – SPECIFICATION

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### CONSTRUCTION

- Housing: Extruded aluminium
- Finish: Polyester powder painted BS 00E55 matt white 60% gloss
- Finish: Polyester powder painted RAL 9006 matt grey
- Finish: Polyester powder painted RAL 9005 matt black
- Endcaps: High pressure die cast aluminium
- Diffuser: 2mm extruded high transmission opal polycarbonate
- Diffuser: Combined 2mm extruded clear polycarbonate and 2mm microprism anti glare PMMA
- IP20

### PERFORMANCE

- Part L2 compliant
- BSEN 12464-1:2011 3000 Candela 65° and UGR 19 compliance
- 3SDCM Three step Macadams ellipse
- TM21: L90>60K Hours / L80>90K Hours
- Up to 118 luminaire lumens per circuit Watt.
- Available in a wide range of lumen packages including glare compliant variants, L14, L22 and L29.

### 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

- HFR 1-10V analogue dimming
- Optional compatibility with a range of dimming systems including DALI, DSI and Switch Dimming
- Optional White tunable
- Optional Integral R44 presence and daylight sensor
- Optional Integral Reacta-Air wireless presence and daylight regulations 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 plasterboard installation

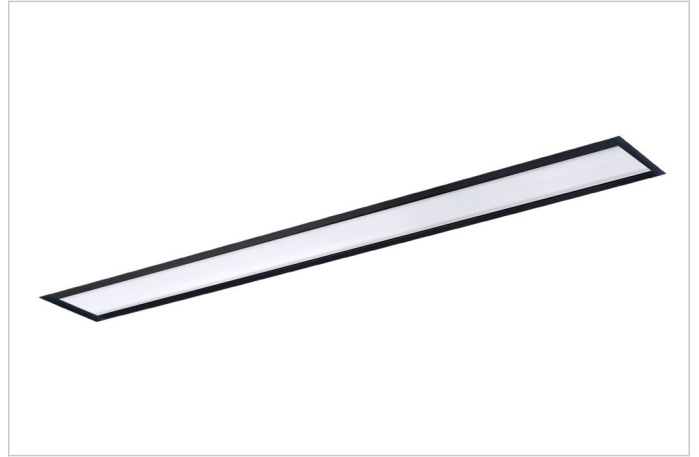
## VARIATIONS

- 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

## RUNWAY RECESSED - IMAGES



Runway Recessed Grey



Runway Recessed Black



Runway Recessed White



St Modwen Cofton Centre using the Glide Pixel & Runway Recessed

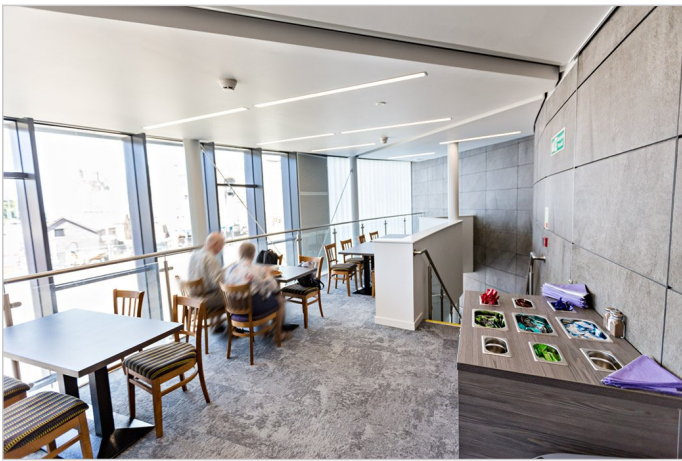


Crown Buildings, Wrexham using the Runway Recessed





Crown Buildings, Wrexham using the Runway Recessed



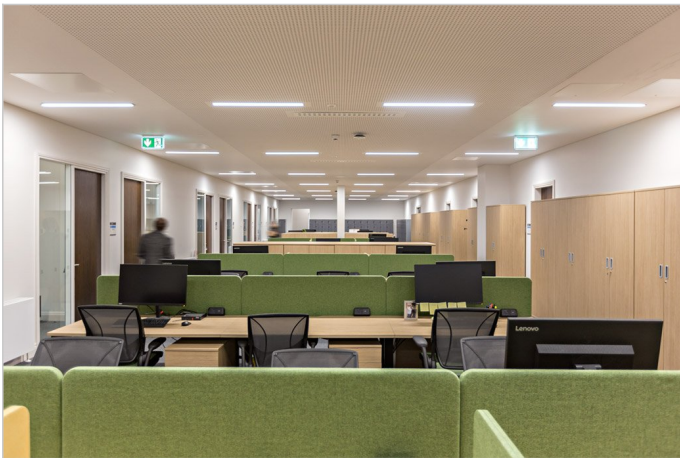
Caernarfon Station using the Runway Recessed



Caernarfon Station using the Runway Recessed



University of Manchester using the Runway Recessed



University of Manchester using the Runway Recessed



The Runway Recessed being used in a meeting room





Beeswift, The Hub using the Runway Recessed



A college using the Runway Recessed & HBE LED



Beeswift, The Hub using the Runway Recessed



Beeswift, The Hub using the Runway Recessed



University of Keele using the Runway Recessed



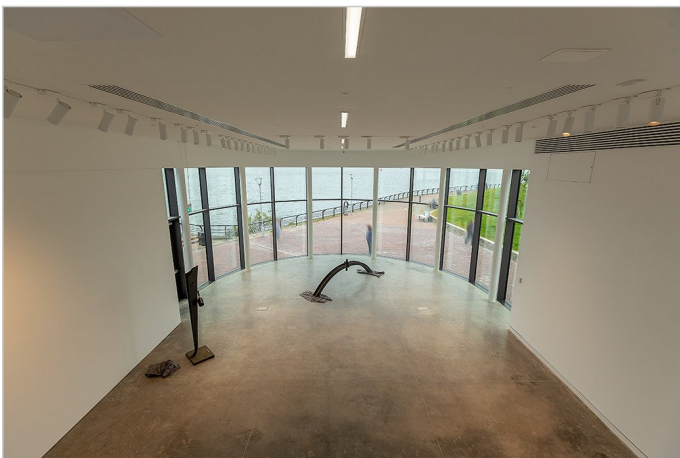
University of Keele using the Runway Recessed



Greenock Ocean Terminal using the Coulis Mini & Runway Recessed



Greenock Ocean Terminal using the Coulis Mini & Runway Recessed



Greenock Ocean Terminal using the Coulis Mini & Runway Recessed



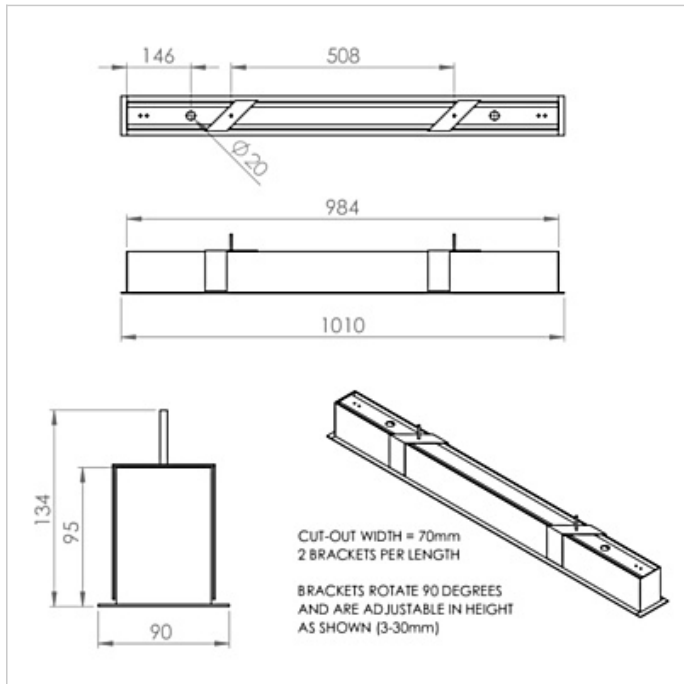


St Modwen Cofton Centre using the Runway Recessed

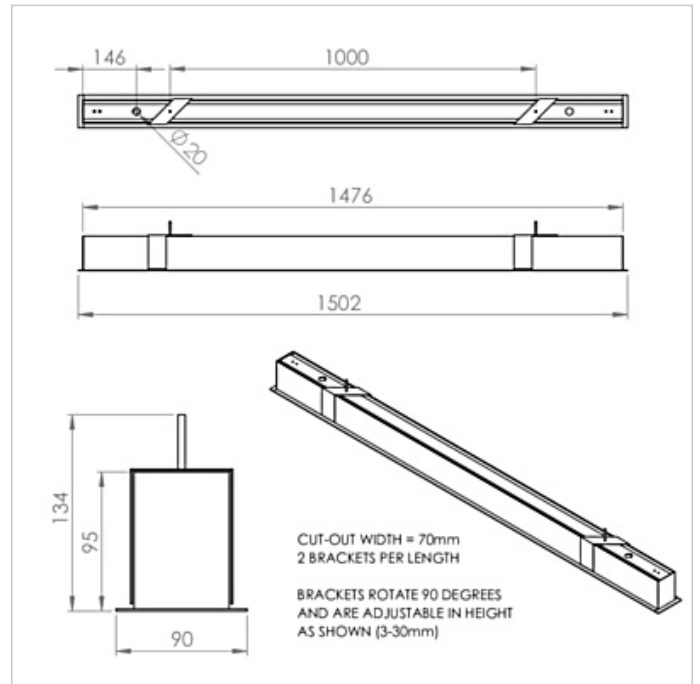
### **RUNWAY DESIGN CONSIDERATIONS**

- L14, L22 and L29 variants comply with BSEN 12464 3000 candela limit when used with MP diffuser.
- Autotest LA3 emergency and DALI Dimming will use common DALI BUS Cable. LA3 emergency can not be combined with other dimming types.
- White tunable variants come in non standard lumen outputs, please enquire for more details.
- Where luminaire lumen and lumen per watt figures are published these relate to the opal diffuser variants.
- Emergency and Reacta-Air Sensor can not be combined in 1000mm versions.

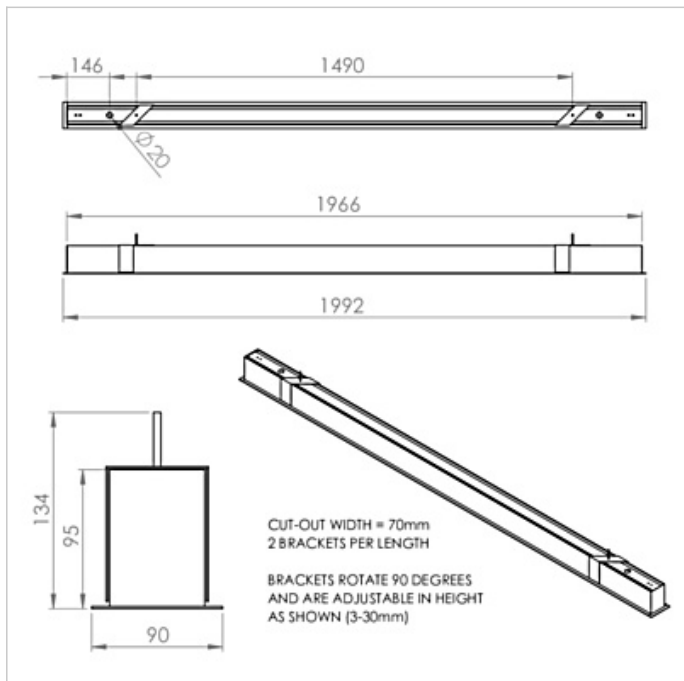
## RUNWAY RECESSED - TECHNICAL



Runway Recessed Standalone 1000mm



Runway Recessed Standalone 1500mm



Runway Recessed Standalone 2000mm



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## RUNWAY RECESSED – 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, EXI2 LED, EXI Track, HBE LED, HBE2 LED, OAT2 LED, OEZ LED 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.**

## RUNWAY RECESSED - ORDER CODES

### LUMINAIRE CODES

#### Standalone Recessed

Code	Description	Power	Llm/W
RWYR 1000 L14 OP GY	Runway, 1000mm, 938llm, Opal, Grey, Colour 84	9.6W	98
RWYR 1000 L14 MP GY	Runway, 1000mm, 871llm, Microprism, Grey, Colour 84	9.6W	91
RWYR 1000 L20 OP GY	Runway, 1000mm, 1,331llm, Opal, Grey, Colour 84	13.2W	100
RWYR 1000 L20 MP GY	Runway, 1000mm, 1,233llm, Microprism, Grey, Colour 84	13.2W	93
RWYR 1000 L30 OP GY	Runway, 1000mm, 2,000llm, Opal, Grey, Colour 84	18.9W	106
RWYR 1000 L30 MP GY	Runway, 1000mm, 1,853llm, Microprism, Grey, Colour 84	18.9W	98
RWYR 1500 L22 OP GY	Runway, 1500mm, 1,628llm, Opal, Grey, Colour 84	13.9W	117
RWYR 1500 L22 MP GY	Runway, 1500mm, 1,519llm, Microprism, Grey, Colour 84	13.9W	109
RWYR 1500 L30 OP GY	Runway, 1500mm, 2,221llm, Opal, Grey, Colour 84	18.9W	117
RWYR 1500 L30 MP GY	Runway, 1500mm, 2,072llm, Microprism, Grey, Colour 84	18.9W	110
RWYR 1500 L45 OP GY	Runway, 1500mm, 3,331llm, Opal, Grey, Colour 84	27.3W	122
RWYR 1500 L45 MP GY	Runway, 1500mm, 3,108llm, Microprism, Grey, Colour 84	27.3W	113
RWYR 1500 L96 OP GY	Runway, 1500mm, 7,104llm, Opal, Colour 84	54.4W	131
RWYR 1500 L96 MP GY	Runway, 1500mm, 6,630llm, Microprism, Colour 84	54.4W	122
RWYR 2000 L29 OP GY	Runway, 2000mm, 2,146llm, Opal, Grey, Colour 84	17.1W	125
RWYR 2000 L29 MP GY	Runway, 2000mm, 2,001llm, Microprism, Grey, Colour 84	17.1W	117
RWYR 2000 L40 OP GY	Runway, 2000mm, 2,960llm, Opal, Grey, Colour 84	24.5W	121
RWYR 2000 L40 MP GY	Runway, 2000mm, 2,760llm, Microprism, Grey, Colour 84	24.5W	113
RWYR 2000 L60 OP GY	Runway, 2000mm, 4,440llm, Opal, Grey, Colour 84	34.6W	128
RWYR 2000 L60 MP GY	Runway, 2000mm, 4,140llm, Microprism, Grey, Colour 84	34.6W	120

Please refer to the Runway Design Consideration notes in the Technical section prior to placing your order

### 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.

Please refer to the Runway Design Consideration notes in the Technical section prior to placing your order.

### CONTROL

Code	Description
R44	Reacta 44, Presence & Daylight, 2.5-7M
RAS	Reacta-Air Bluetooth, Wireless, Presence & Daylight, 2.5-3M
RLI	Reacta-Link, Wireless Enabled Luminaire
RLS	Reacta-Link Wireless, Presence & Daylight, 2.5M-5M
RC	Reacta-Control, Wireless Enabled Luminaire
RCS	Reacta-Control Wireless, Presence & Daylight, 2.5-4M

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

Please refer to the Runway Design Consideration notes in the Technical section prior to placing your order.

### 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

Please refer to the Runway Design Consideration notes in the Technical section prior to placing your order.

### MISCELLANEOUS



Code	Description
C**	Select Colour Temperature and Rendering; C827, C83, C84, C85, C865, C93, C94
WH	White Finish
BL	Black Finish
RWY INSTALL KIT	Runway Installation Kit
LSF	Low Smoke Zero Halogen
Please refer to the Runway Design Consideration notes in the Technical section prior to placing your order.	

# Runway Recessed Standalone / Continuous Run

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

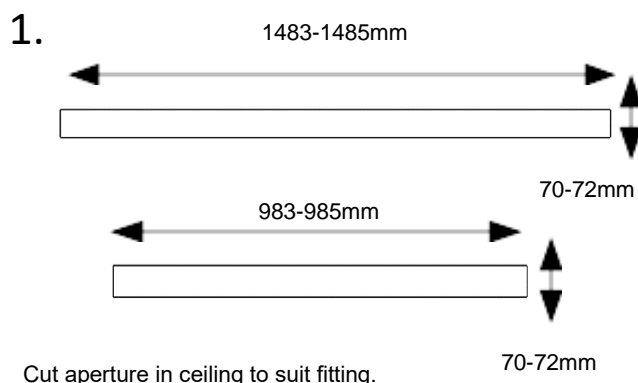
L1 Switched Live  
E Earth  
N Neutral

### Emergency

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

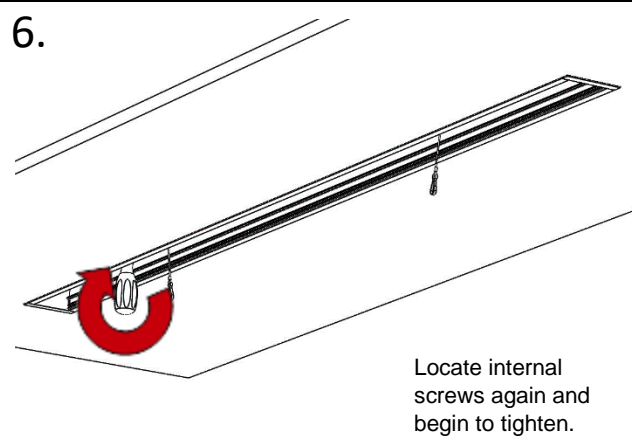
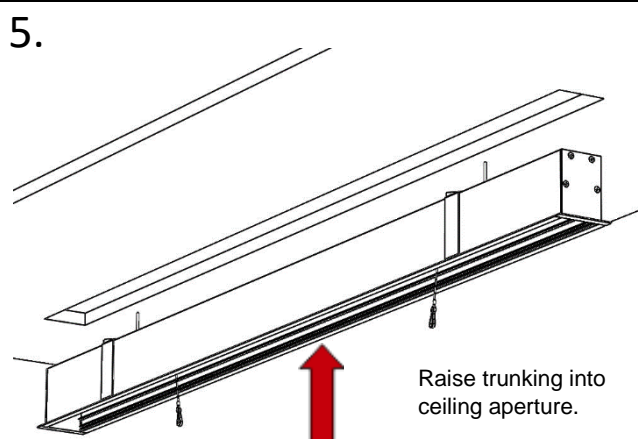
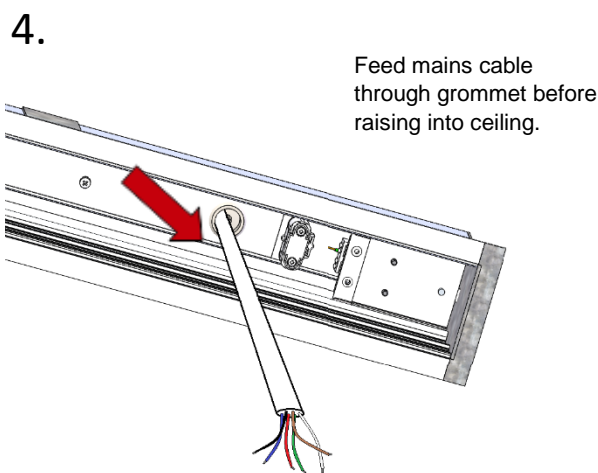
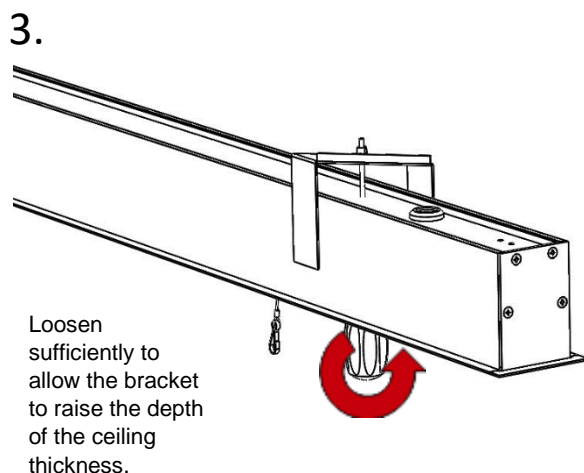
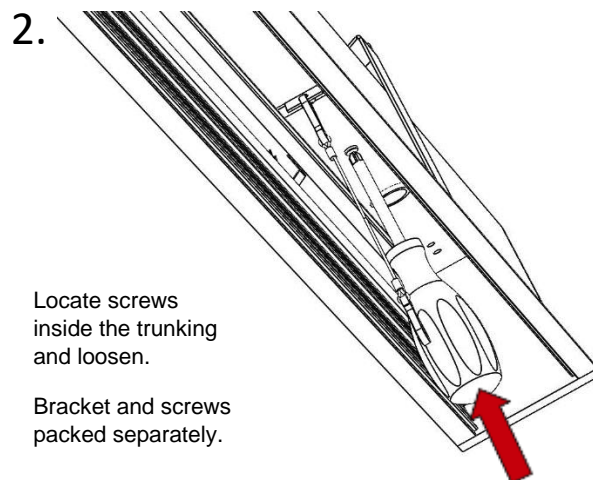
### Dimming

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

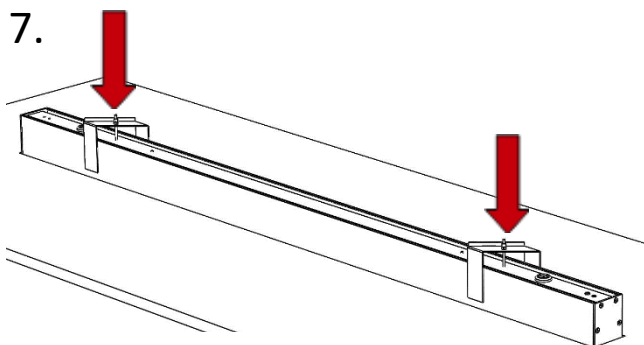


Cut aperture in ceiling to suit fitting.

Brackets are adjustable in height to suit ceiling thicknesses 3-30mm.

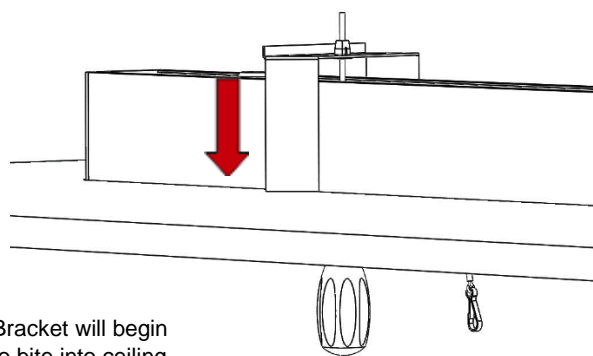


7.



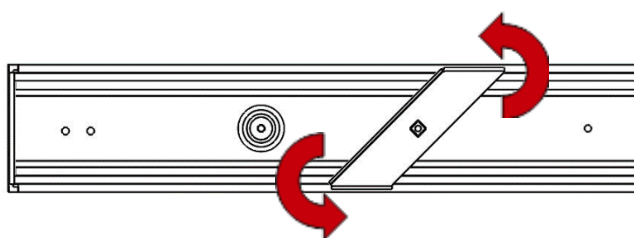
As the screws are tightened, the brackets will rotate and tighten against the rear of the ceiling.

8.



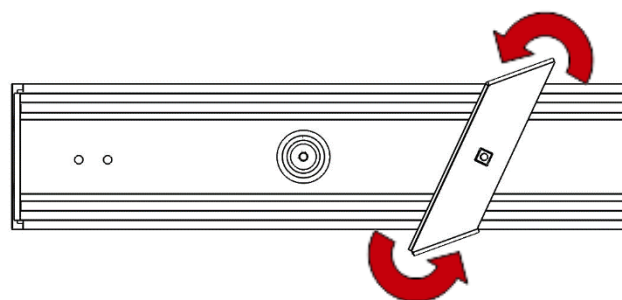
Bracket will begin to bite into ceiling.

9.



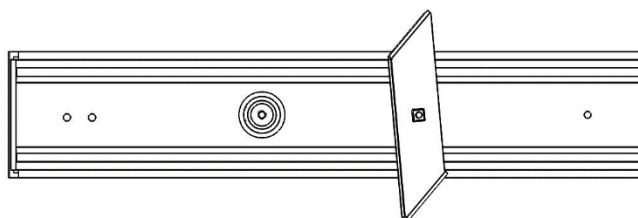
Bracket beginning to rotate.

10.



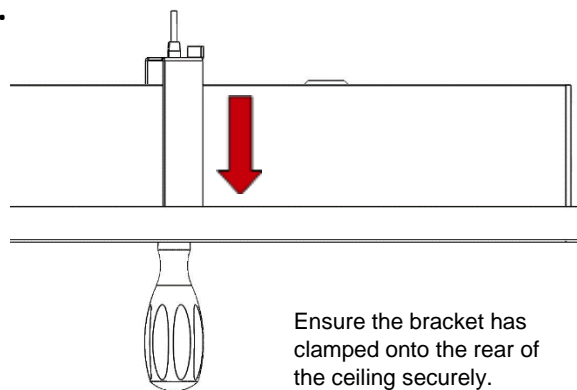
Bracket will rotate as shown as screw is tightened.

11.



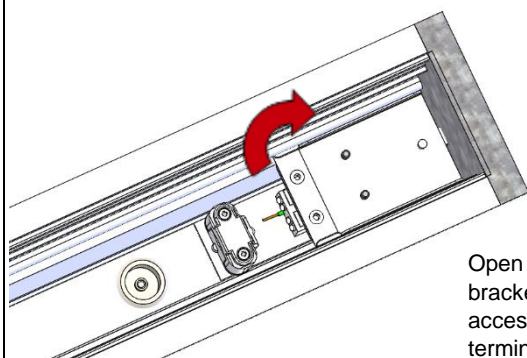
Bracket fully rotated.

12.



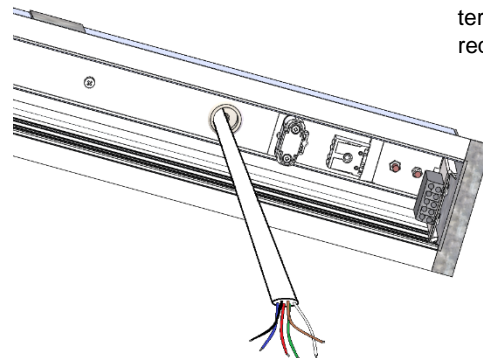
Ensure the bracket has clamped onto the rear of the ceiling securely.

13.



Open the starter bracket to allow access to the terminal block.

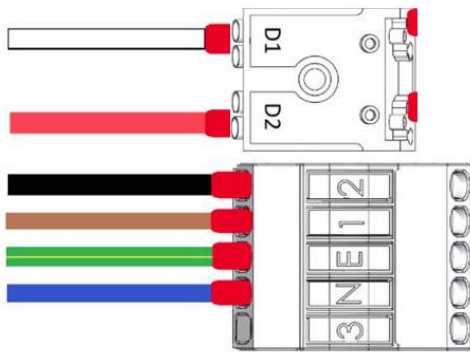
14.



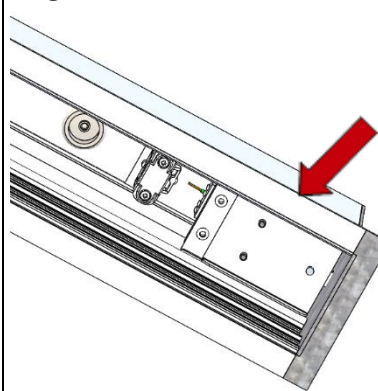
Wire mains cable into marked terminals as required.



15.

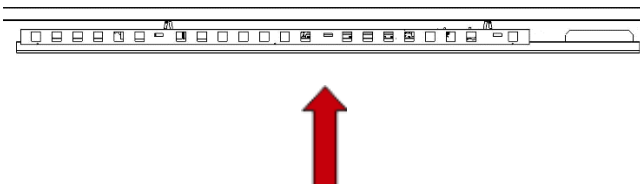


16.



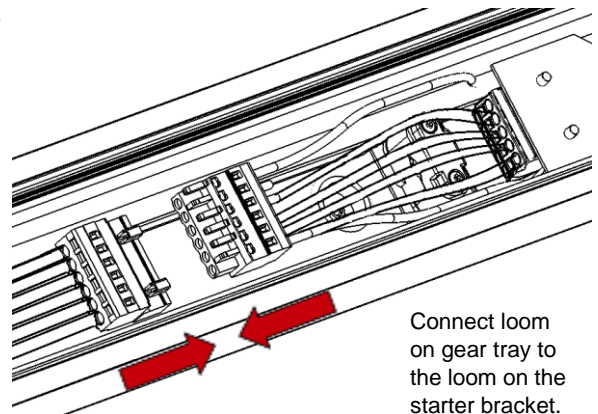
Close starter bracket and lock in place.

17.



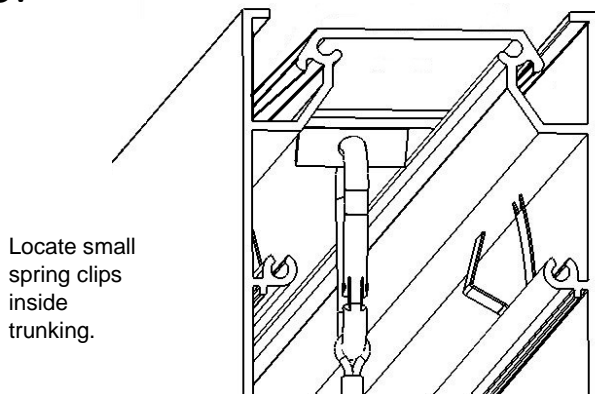
Attach gear trays to tethers inside the trunking. Allow to hang naturally.

18.



Connect loom on gear tray to the loom on the starter bracket.

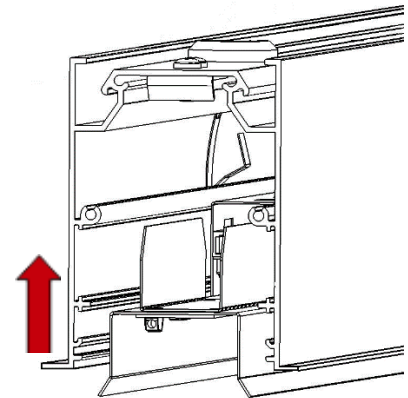
19.



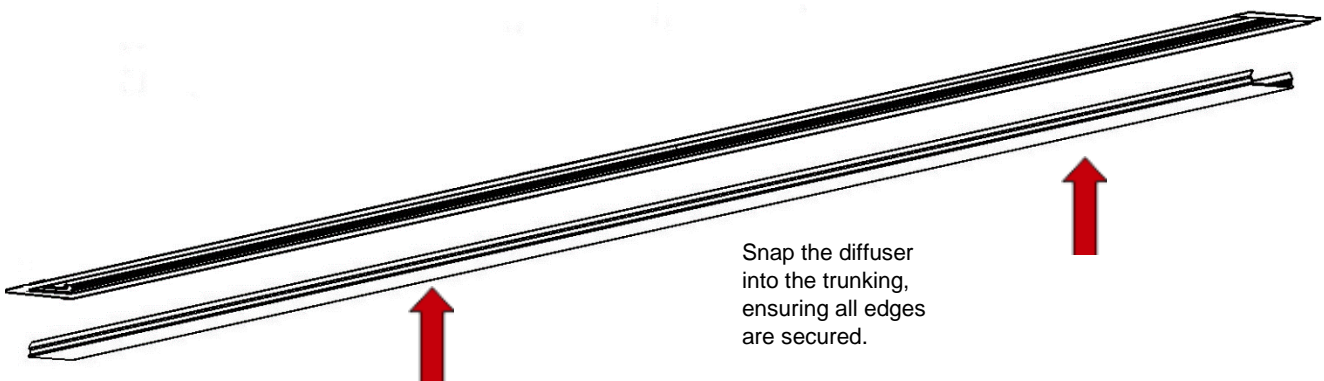
Locate small spring clips inside trunking.

NOTE: SHOWN WITHOUT END CAP FOR DEMONSTRATION PURPOSES ONLY

Lift gear tray into extrusion. Ensure there are no cables/wires trapped when fitting.



20.



Snap the diffuser into the trunking, ensuring all edges are secured.

# Runway Recessed Standalone / Continuous Run

220-240V / 50-60Hz

IP20

IK00



**Caution**  
Risk of electric shock

## Terminal Labelling:

### Power

L1 Switched Live  
E Earth  
N Neutral

### Emergency

L2 Unswitched Live  
DA/AT3 DALI Autotest  
DALI Autotest

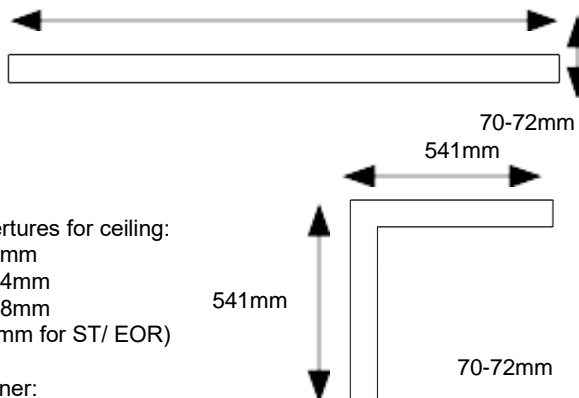
### Dimming

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

**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 is non replaceable. **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.

See Below



Apertures for ceiling:

982mm

1474mm

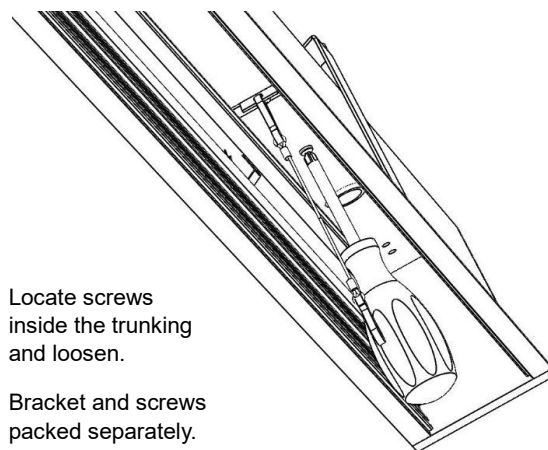
2948mm

(+4mm for ST/ EOR)

Corner:

541x541mm

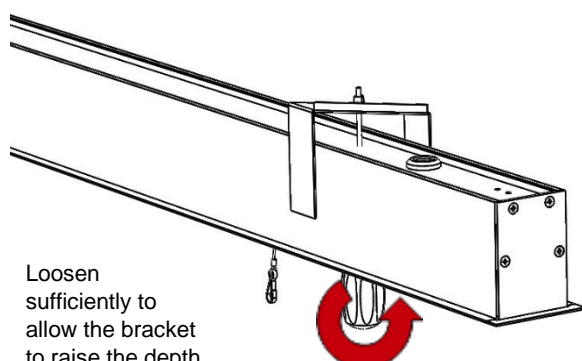
2.



Locate screws  
inside the trunking  
and loosen.

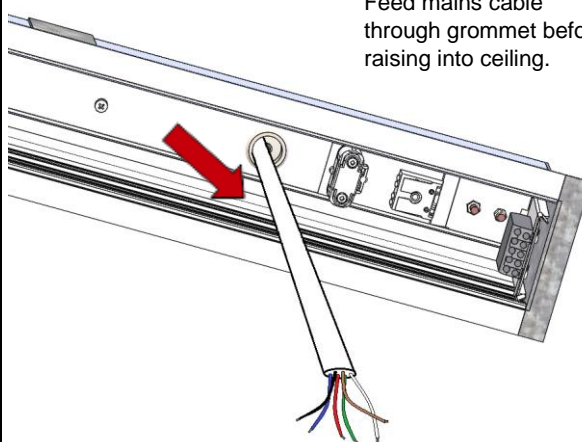
Bracket and screws  
packed separately.

3.



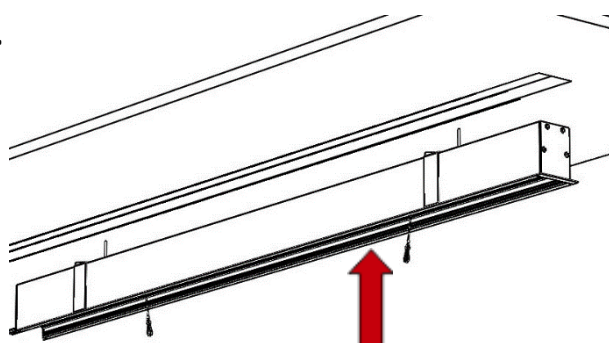
Loosen  
sufficiently to  
allow the bracket  
to raise the depth  
of the ceiling  
thickness.

4.



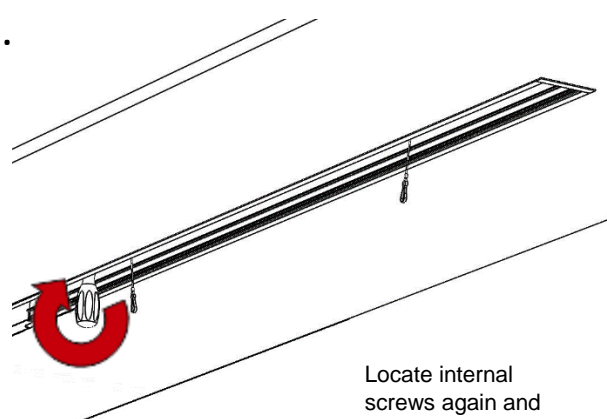
Feed mains cable  
through grommet  
before  
raising into ceiling.

5.



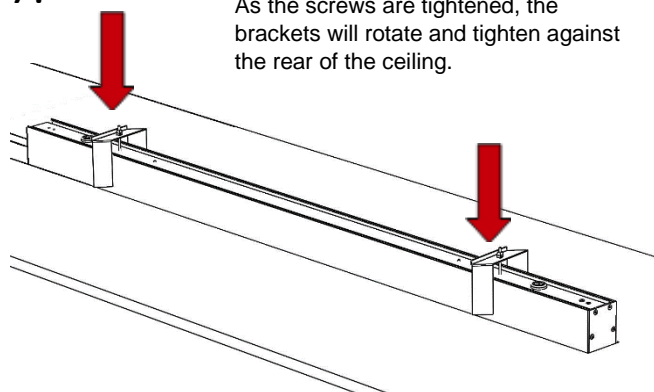
Raise trunking into  
ceiling aperture.

6.



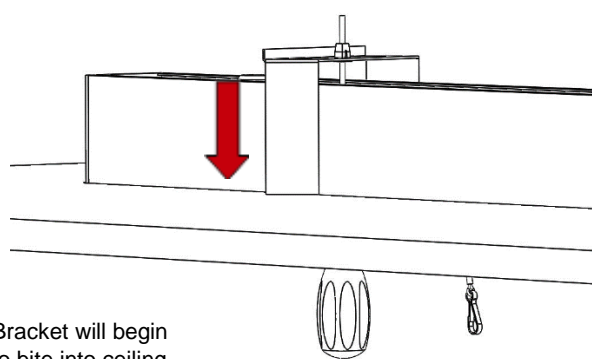
Locate internal  
screws again and  
begin to tighten.

7.



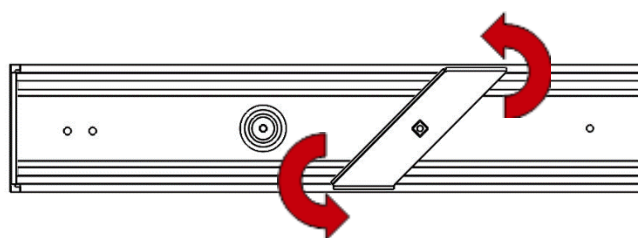
As the screws are tightened, the brackets will rotate and tighten against the rear of the ceiling.

8.



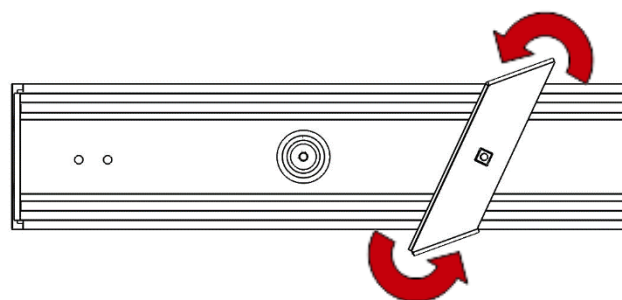
Bracket will begin to bite into ceiling.

9.



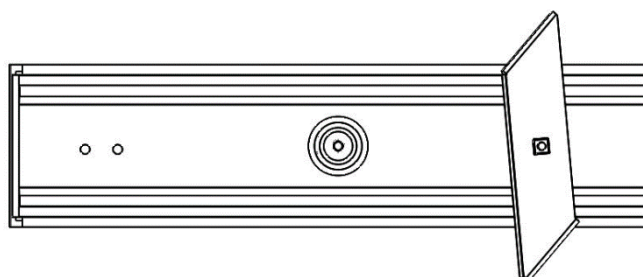
Bracket beginning to rotate.

10.



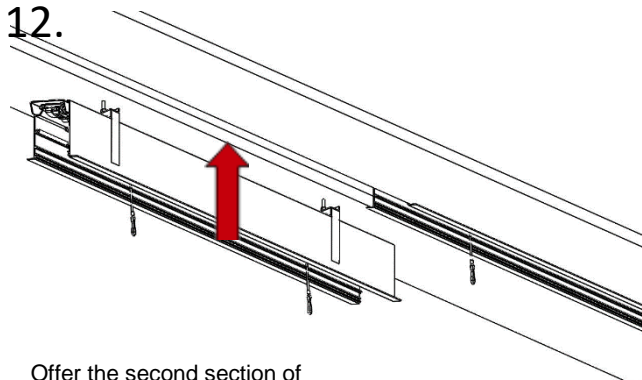
Bracket will rotate as shown as screw is tightened.

11.



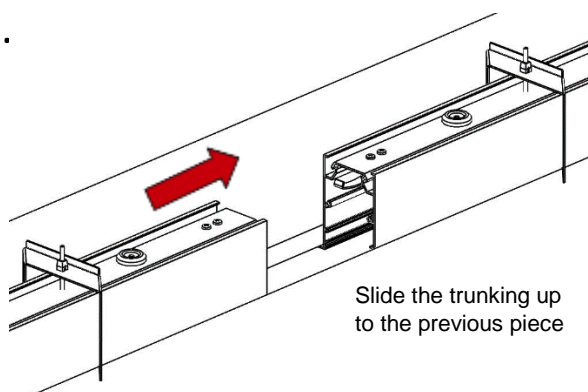
Bracket fully rotated.  
Ensure the bracket has clamped onto the rear of the ceiling securely.

12.



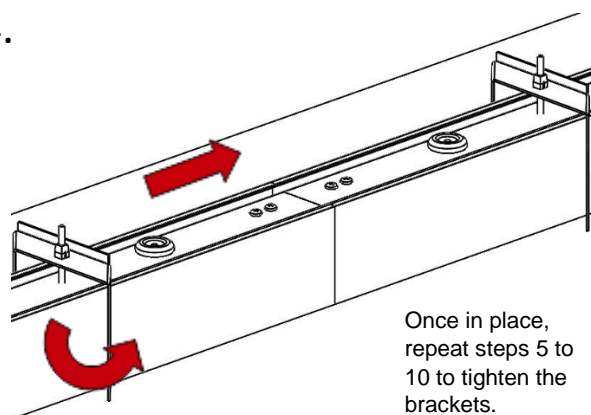
Offer the second section of trunking up into the aperture

13.



Slide the trunking up to the previous piece

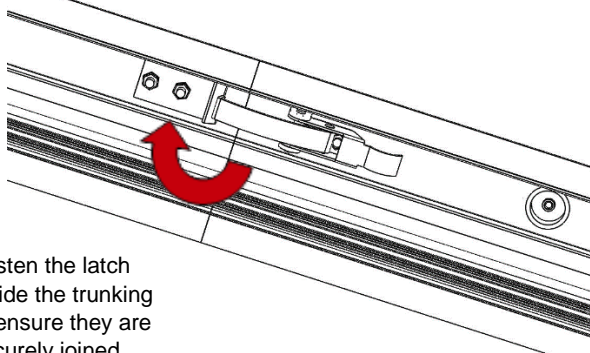
14.



Once in place, repeat steps 5 to 10 to tighten the brackets.



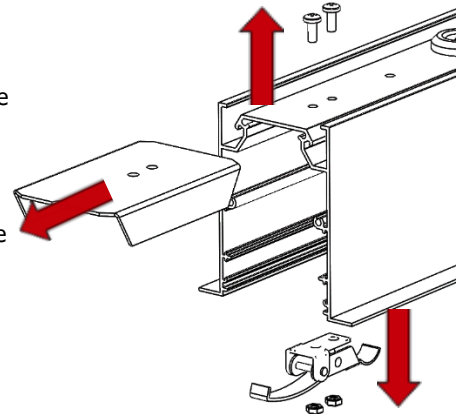
15.



Fasten the latch inside the trunking to ensure they are securely joined.

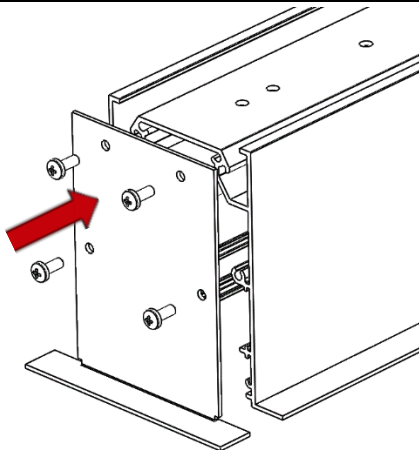
16.

Before the end cap is fitted to the end of run trunking, the splicing plate and latch must be removed. Remove the two screws/nuts to free the latch and splice. Discard as required.



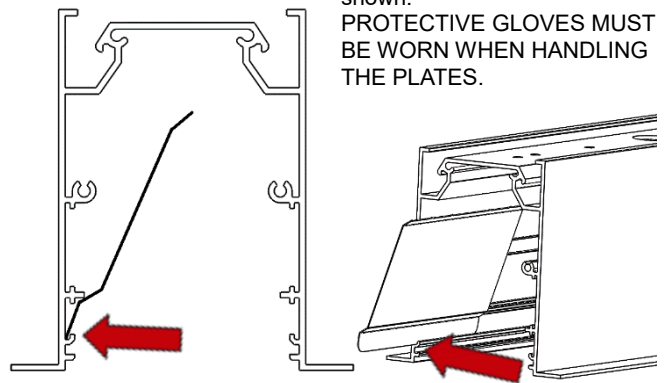
17.

Locate end caps (if required) and offer up to the end of the trunking. End cap should be fastened with 4x supplied screws.

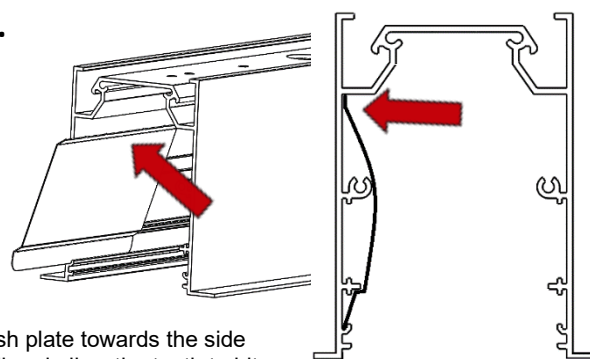


18.

Locate splicing plate into slot as shown. PROTECTIVE GLOVES MUST BE WORN WHEN HANDLING THE PLATES.



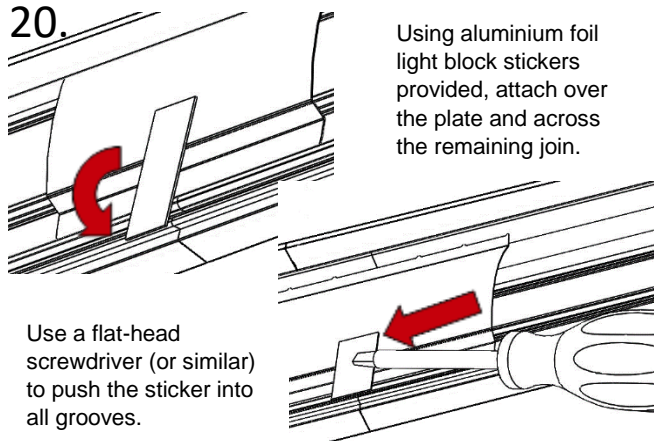
19.



Push plate towards the side wall and allow the teeth to bite into the aluminium. Repeat between all trunkings.

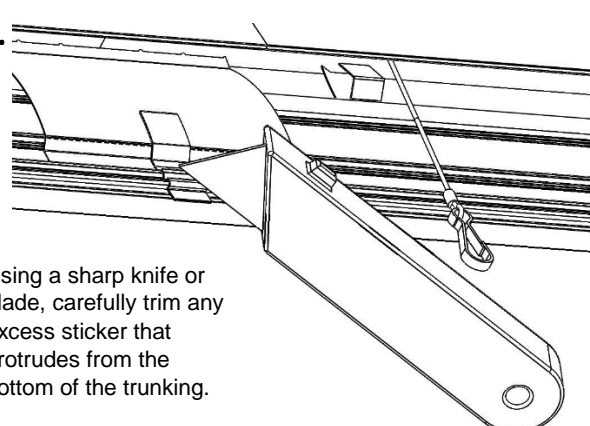
20.

Using aluminium foil light block stickers provided, attach over the plate and across the remaining join.



Use a flat-head screwdriver (or similar) to push the sticker into all grooves.

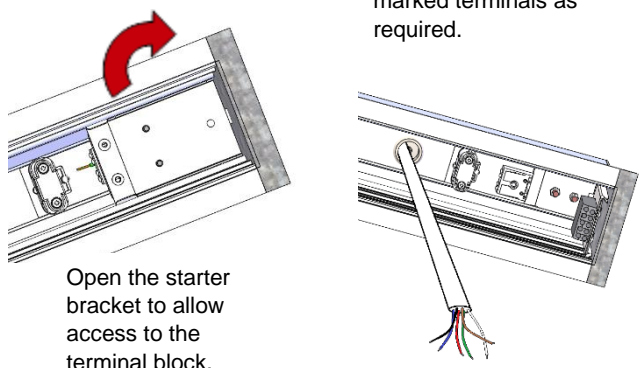
21.



Using a sharp knife or blade, carefully trim any excess sticker that protrudes from the bottom of the trunking.

22.

Feed mains cable into marked terminals as required.

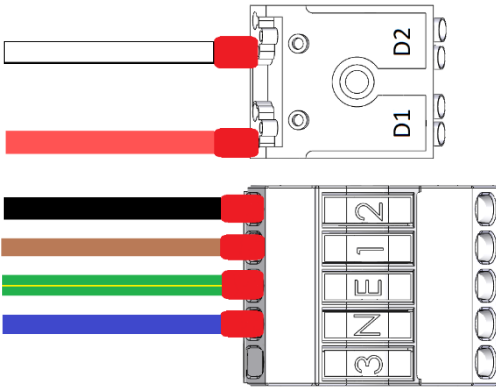


Open the starter bracket to allow access to the terminal block.

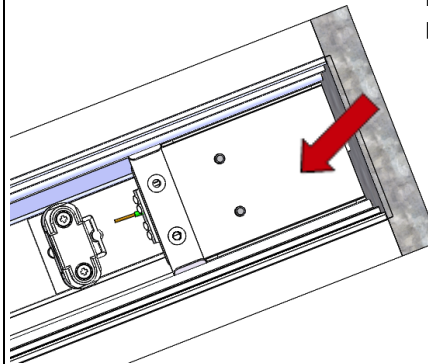


## Runway Recessed Standalone / Continuous Run

23.

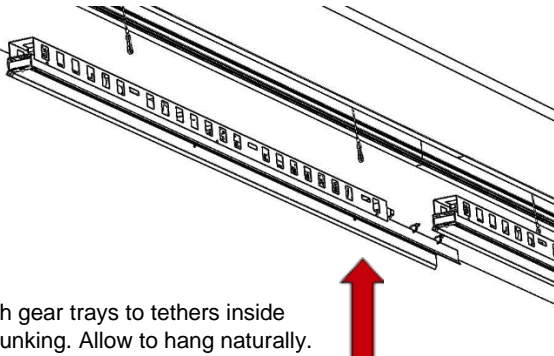


24.



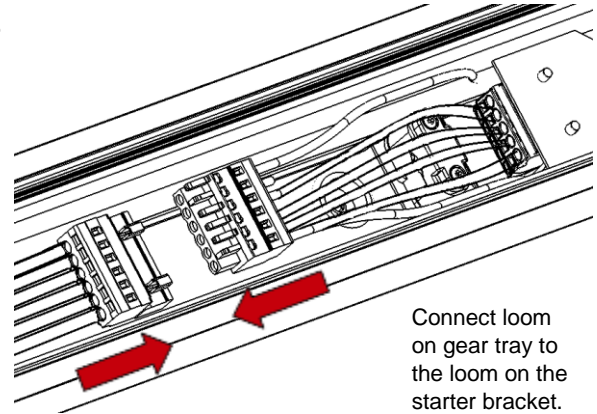
Close starter bracket and push in to place.

25.



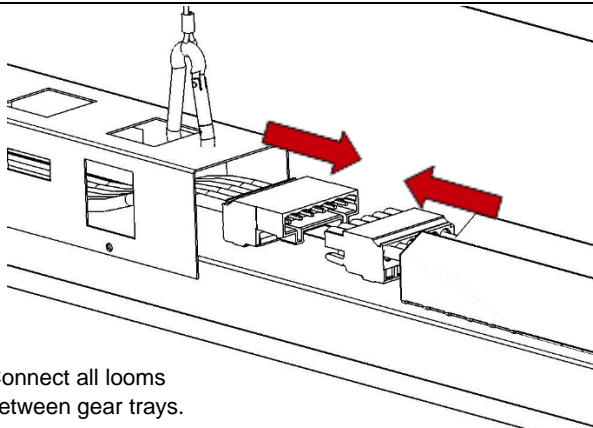
Attach gear trays to tethers inside the trunking. Allow to hang naturally.

26.



Connect loom on gear tray to the loom on the starter bracket.

27.

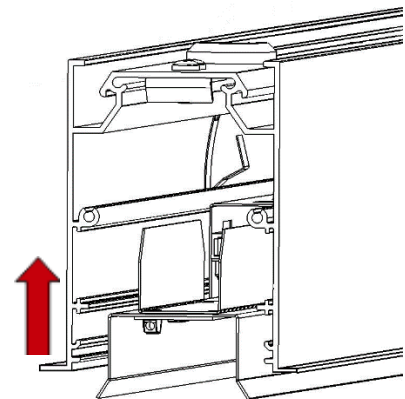


Connect all looms between gear trays.

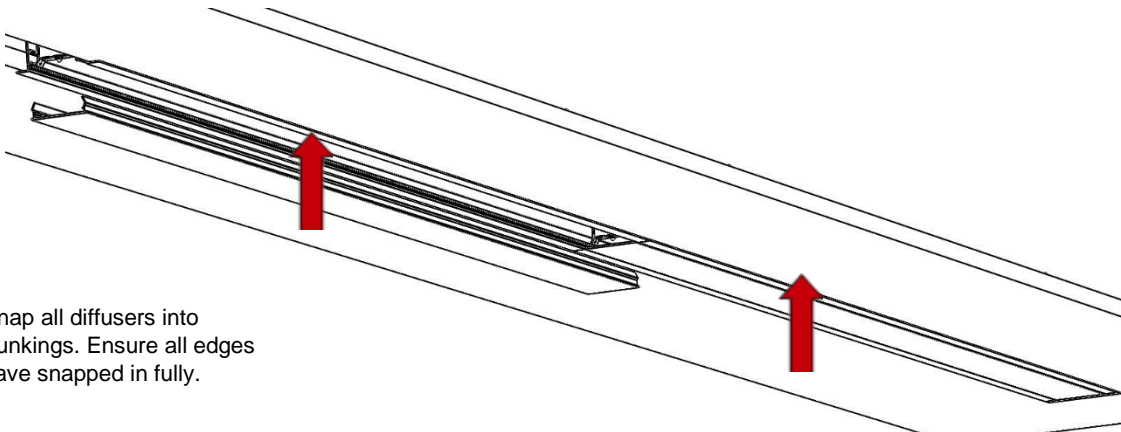
28.

NOTE: SHOWN WITHOUT END CAP FOR DEMONSTRATION PURPOSES ONLY

Raise gear trays into trunking and engage on spring clips.



29.



Snap all diffusers into trunkings. Ensure all edges have snapped in fully.

### 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 Use a flat headed screwdriver to remove diffuser.
- 4 Remove gear tray from housing.
- 5 Remove plastic rivets to separate the two trays.
- 6 Use a pan pozi screwdriver to remove components.
- 7 Please contact Dextra for assistance with spare component supply.

