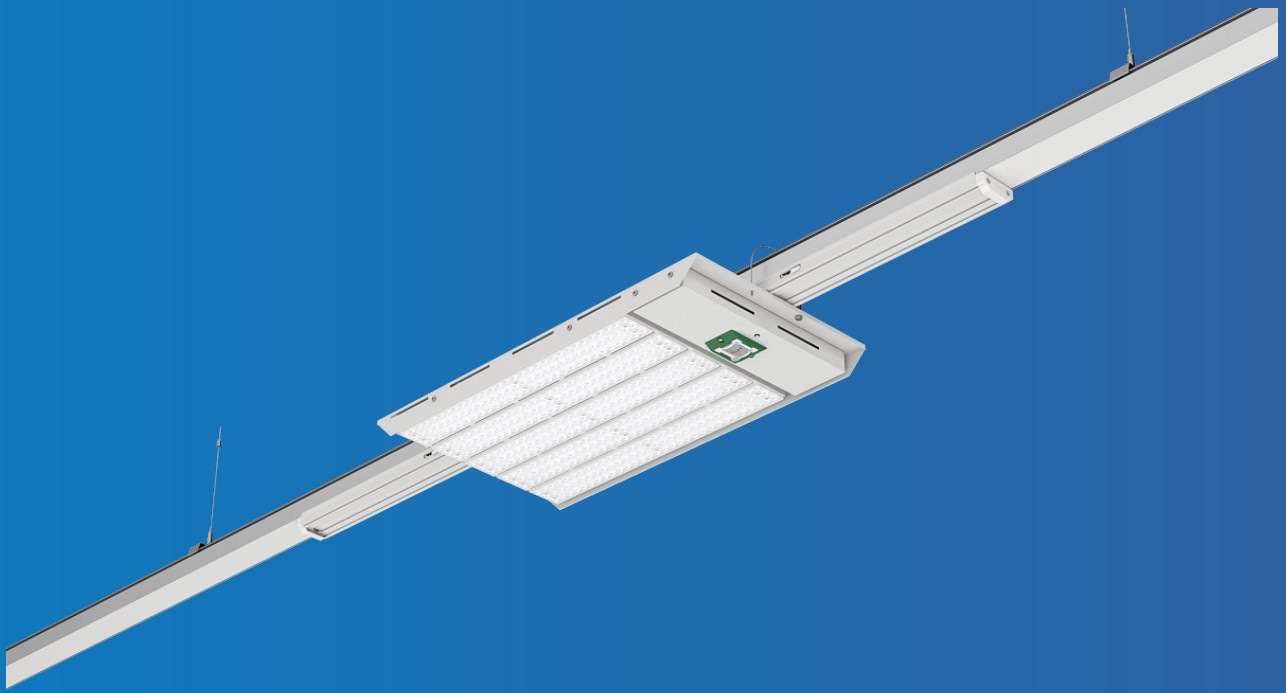




Product Specification

Indeco Highbay



INTRODUCTION

The Indeco Highbay is designed to provide the quickest and simplest installation of any product in the Dextra range by combining the trunking, electrical system and quick release luminaires in a single product. Indeco trunking is available in 4.5M, 3M and 1.5M lengths with 6 pole through wire looms, each loom has a socket connector at 1.5M intervals with a corresponding connector on the rear of the luminaire housing. Each trunking length connects to the next with a simple splice plate and plug and socket connector allowing installation of the trunking with no need to wire electrical connections, the luminaires can then be installed in the required positions with twist lock mounting clips and plug and socket electrical connections. The trunking itself is mounted with snap on sprung steel clips ensuring that the entire system can be installed without tools or wiring of electrical connections except for a single connection at the beginning of each trunking run. The Indeco Highbay is available with lumen outputs ranging from 20,000 to 38,000 lumens with open area, high rack and ultra high rack lens variants ensuring a compliant lighting solution can be achieved in racking and marshalling areas at a range of mounting heights with a minimum of energy consumption. Snap in covers allow the trunking to be enclosed between luminaires preventing dust and dirt ingress into the electrical supply system and ensuring a neat and complete appearance to your installation.

The Indeco Highbay is supplied with up to 4 dedicated power circuits using 2.5mm cable (dependent on requirements for DALI and emergency) allowing long runs to be achieved without exceeding Volt drop limitations. Energy savings can be further enhanced with our integral R18 sensor range offering presence detection and daylight regulation up to 18M mounting heights, whilst wireless variants allow for grouped sensor operation, automated emergency testing and centralised reporting of the results eliminating manual testing and reducing operational cost. All emergency variants incorporate lithium iron phosphate batteries for extended warranty and lifetime.

APPLICATION

- Industrial & Manufacturing
- Retail
- Transport
- Warehousing

SPECIFICATION

CONSTRUCTION

- Housing: 0.7mm CR4 steel
- Finish: Polyester powder painted RAL 9016 textura matt white
- Finish: Mill finish aluminium
- Lens: Injection moulded polycarbonate lens
- IP20
- Trunking: Extruded aluminium

PERFORMANCE

- Part L2 compliant
- 3SDCM Three step Macadams ellipse
- TM21: L90>60K Hours / L80>100K Hours
- Up to 178 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.
- 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.

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 DALI dimming
- Optional compatibility with a range of dimming systems including DALI, DSI and Switch Dimming
- Optional integral Reacta-Link for integration with Reacta-Link wireless installations
- Optional integral Reacta-Control for integration with Reacta-Control wireless installations
- Ground level commissioning with REA-AP controller allows quick and simple setting and adjustment of sensors without the need for costly commissioning.

INSTALLATION

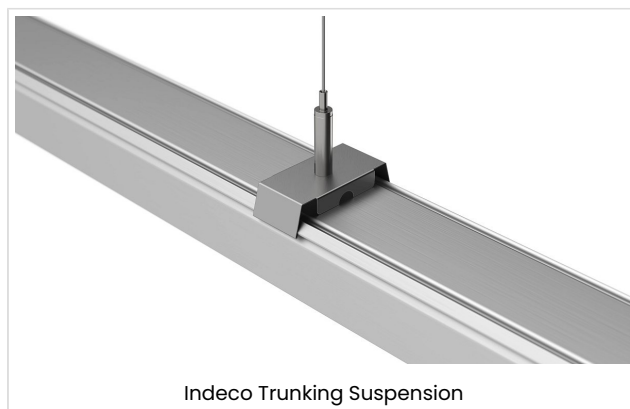
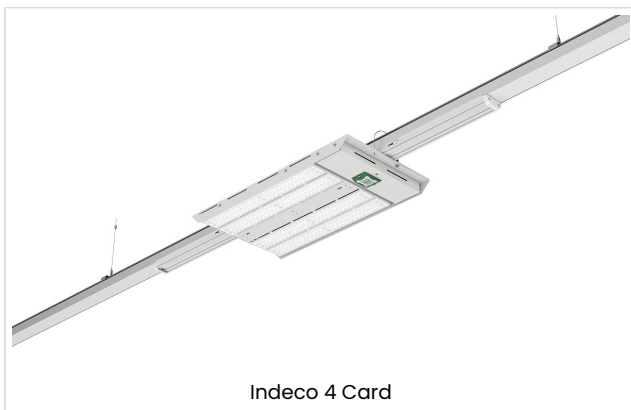
- Suitable for suspended installation
- Trunking pre-wired with 6 pole 2.5mm loom with socket connectors allowing installation of luminaires at 1500mm intervals.
- Tool-less assembly for both electrical and mechanical installation.
- Trunking pre-assembled with splice plates and up to 4500mm lengths providing rapid installation.
- Snap on suspension brackets for quick mounting.

VARIATIONS

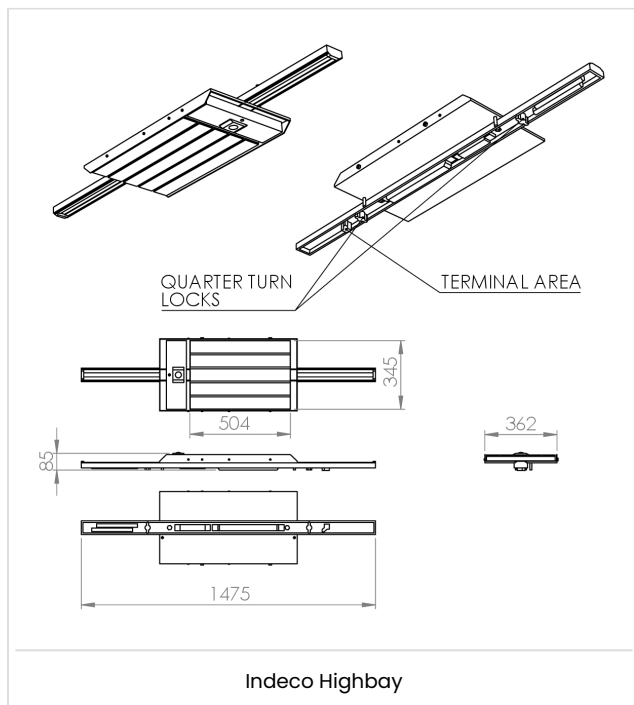
- Available with a wide range of colour temperatures and renderings
- Available in a range of lumen outputs
- Available with three lens variants

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 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

Trunking

Code	Description	Power	Llm/W
IND 1500 4P	Indeco Trunking, 1500mm, 4 Pole		
IND 3000 4P	Indeco Trunking, 3000mm, 4 Pole		
IND 4500 4P	Indeco Trunking, 4500mm, 4 Pole		
IND 1500 6P	Indeco Trunking, 1500mm, 6 Pole		
IND 3000 6P	Indeco Trunking, 3000mm, 6 Pole		
IND 4500 6P	Indeco Trunking, 4500mm, 6 Pole		
IND START	Indeco Trunking Start Power Feed		
IND MID	Indeco Trunking Mid Run Power Feed		
IND 2 WAY	Indeco Trunking Mid Run Two Way Power Feed		
IND EC	Trunking End Cap		

Luminaires

Code	Description	Power	Llm/W
IND L200 OA	Indeco Highbay, 1500mm, 20,000lm, Open Area.		
IND L200 UHR	Indeco Highbay, 1500mm, 20,000lm, Ultra High Rack.		
IND L200 HR	Indeco Highbay, 1500mm, 20,000lm, High Rack.		
IND L250 OA	Indeco Highbay, 1500mm, 25,000lm, Open Area.		
IND L250 UHR	Indeco Highbay, 1500mm, 25,000lm, Ultra High Rack.		
IND L250 HR	Indeco Highbay, 1500mm, 25,000lm, High Rack.		
IND L300 OA	Indeco Highbay, 1500mm, 30,000lm, Open Area		
IND L300 UHR	Indeco Highbay, 1500mm, 30,000lm, Ultra High Rack.		
IND L300 HR	Indeco Highbay, 1500mm, 30,000lm, High Rack.		
IND L380 OA	Indeco Highbay, 1500mm, 38,000lm, Open Area		
IND L380 UHR	Indeco Highbay, 1500mm, 38,000lm, Ultra High Rack.		
IND L380 HR	Indeco Highbay, 1500mm, 38,000lm, High Rack.		

DIMMING

Code	Description
A	DALI Digital Addressable Lighting Interface
D	DSI Digital Dimming
H	HFR Analogue 1-10v

CONTROL

Code	Description
R18U	Reacta 18, Ultra Wide, Presence & Daylight, 4-7M
R18W	Reacta 18, Wide, Presence & Daylight, 7-18M
R18H	Reacta 18, Narrow, Presence & Daylight, 7-18M
DN	DexNET Node, Wireless Node only.
D18W	DexNET Sensor, Wireless, Wide, Presence & Daylight, 7-18M
D18H	DexNET Sensor, Wireless, Narrow, Presence & Daylight, 7-18M
R18WRF	Reacta 18, Wireless, Wide, Presence & Daylight, 7-18M
R18HRF	Reacta 18, Wireless, Narrow, Presence & Daylight, 7-18M

RLI	Reacta-Link, Wireless Enabled Luminaire
RLS10	Reacta-Link Wireless, Presence, 5-10M
RLS15	Reacta-Link Wireless, Presence, 10-15M
RC	Reacta-Control, Wireless Enabled Luminaire
Please click here for full details on our wireless controls.	

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

MISCELLANEOUS

Code	Description
C**	Select Colour Temperature and Rendering: C827, C83, C85, C865, C93, C94
LSF	Low Smoke Zero Halogen
IND 1500 INFILL	1500mm Trunking Cover
IND 3000 INFILL	3000mm Trunking Cover
IND 4500 INFILL	4500mm Trunking Cover
SUSP IND 3M LO X1	3M Suspension Kit Loop Over for Purlins
SUSP IND 3M BF X1	3M Suspension Kit Barrel Fix
WH	White (please add to both tray and trunking if white is required)

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

DA+/D2 Analogue/DSI/DALI
DA-/D1 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.

1. Ensure a minimum of 350mm is left at the start of run for the power feed unit shown in step 3.

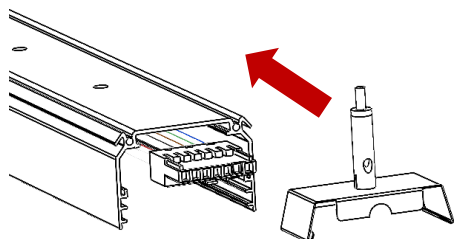
Suspend mount the first section of 4500mm trunking as shown. The first drop should be ~250mm from the start of the trunking. Ensure a maximum spacing of 1200mm is maintained between suspension mount points.

250mm Max. 1200mm Max. 1200mm Max. 1200mm

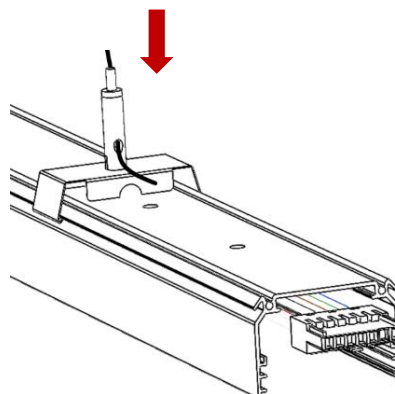


2. **Suspension Install**

Slide x2 clips onto each trunking length



- 3.



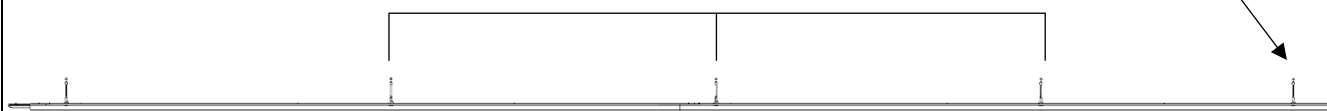
Feed the suspension wires through the barrel clutch in order to suspend the trunking. Use clutch to adjust height and to ensure trunking is level.

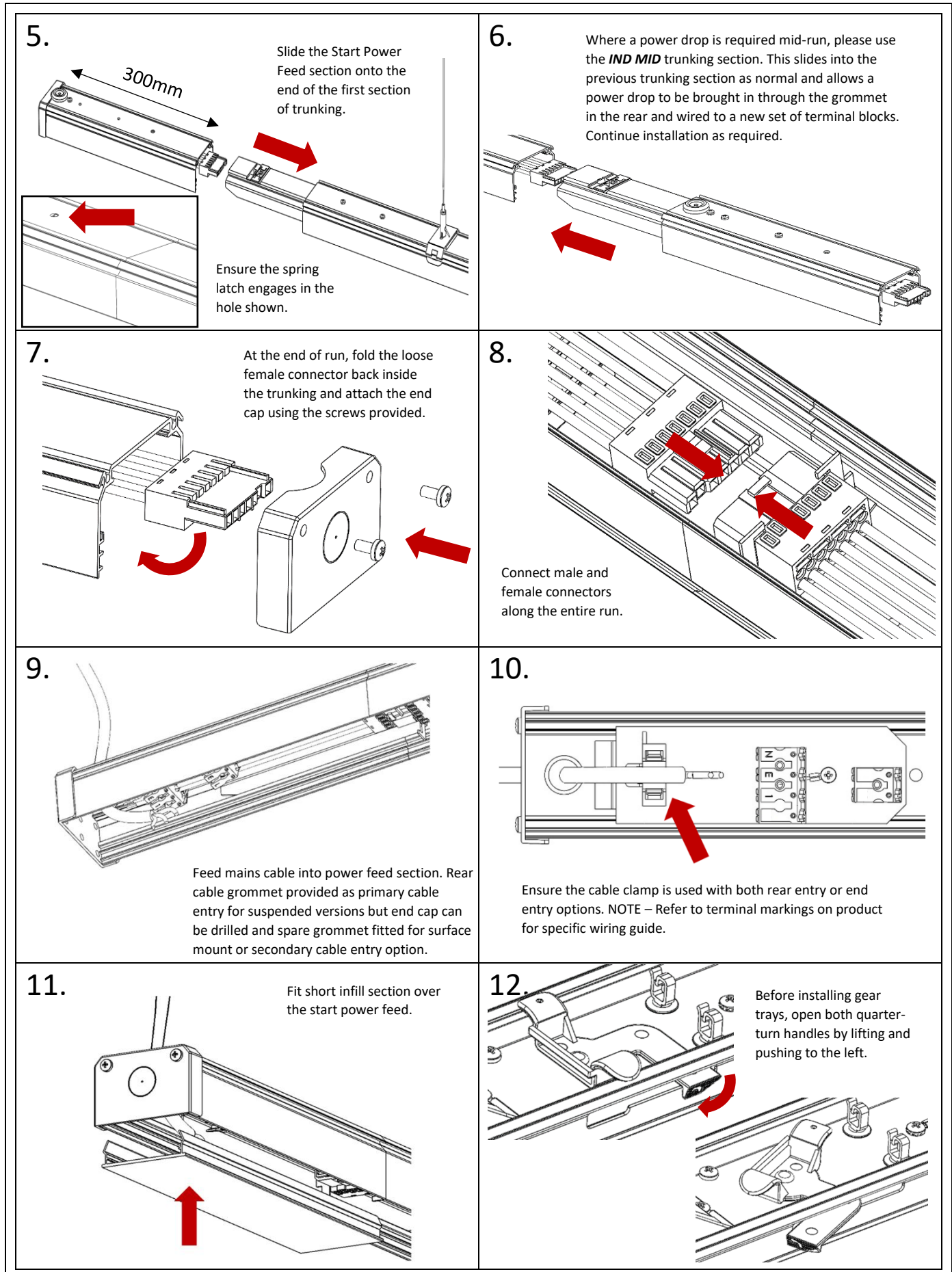
- 4.

Suspend mount subsequent sections of 4500mm, 3000mm or 1500mm trunking as shown. Ensure a maximum spacing of 1200mm is maintained between suspension mount points.

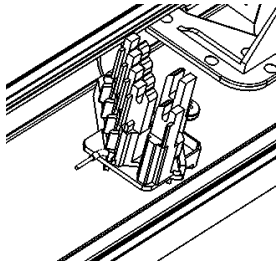
The last section will require a final suspension mount point positioned 250mm from the end of the trunking.

Max. 1200mm Max. 1200mm





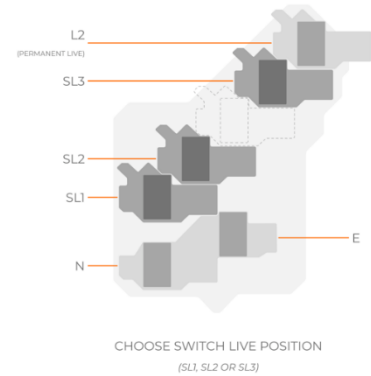
13.



Adjust the SL Pin position to the desired location

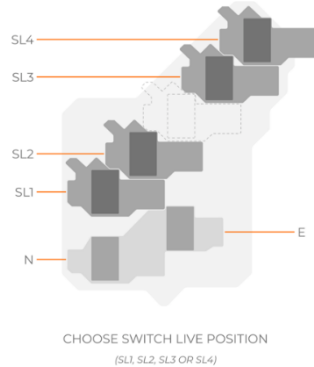
14.

Option 1



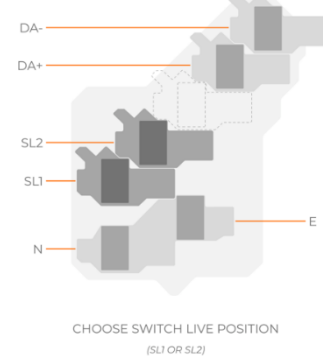
15.

Option 2



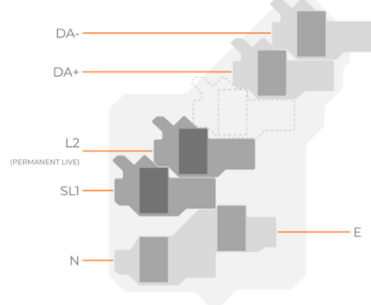
16.

Option 3



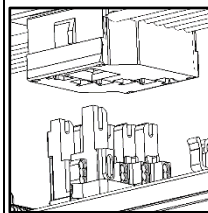
17.

Option 4

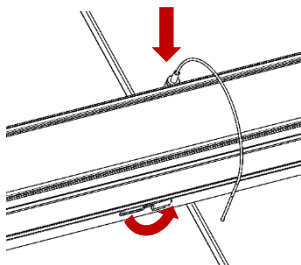


18.

Offer gear tray up to the trunking in desired location. Pay close attention to the electrical connector on the tray and ensure it engages with the connector in the trunking loom.

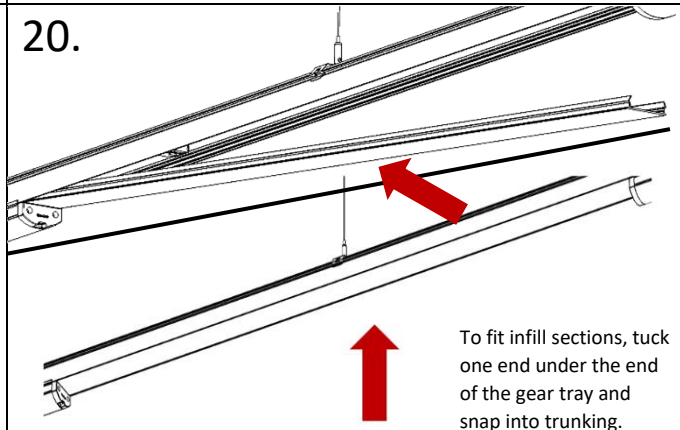


19.



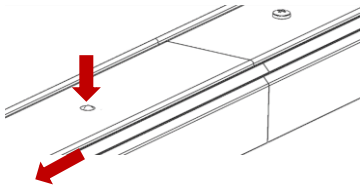
Rotate quarter-turn handles to the right until the handle engages into the tray with a click. Then loop tether over the trunking and feed into clutch pulling the wire tight

20.

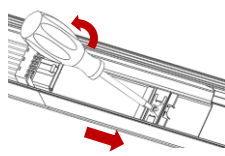


To fit infill sections, tuck one end under the end of the gear tray and snap into trunking.

21.

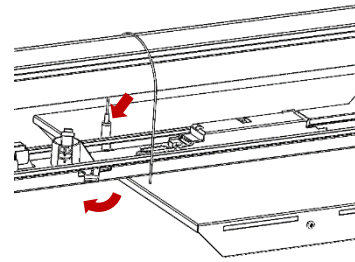


To disassemble the trunking, the trunking spring latch must be disengaged. Either depress the top of the spring (shown below) and pull the trunking apart or follow step 15.



Or use a small flat headed screw driver and open the spring from the inside then pull the trunking apart.

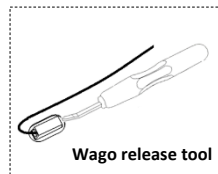
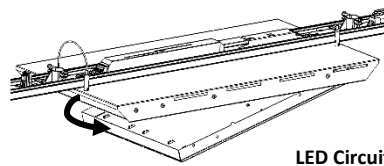
22.



To maintain the gear, relax the tether length by pressing the barrel clutch, before undoing the quatre-turn so the fitting hangs below trunking.

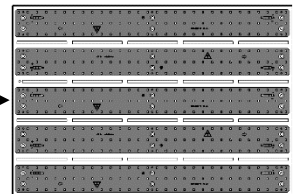
Maintenance

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 gear tray, use a pan pozi screwdriver to remove the outer screws. Tray can then be hinged out.
4. Use a flat headed screwdriver to release plastic rivets from lenses. Use a Wago release tool to release wire from circuit.
5. Use a pan pozi screwdriver to remove components.
6. Please contact Dextra for assistance with spare



Wago release tool

LED Circuit →



Driver

Battery

Module

