

# PRODUCT SPECIFICATION

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VERTECO 3



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## INTRODUCTION

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The Verteco range has long been a mainstay of the lighting market for industrial, warehousing and logistics applications. With a unique range of features and functions including integral sensor control for use up to 18M height, remote control programming, highly efficient optics and a design that allowed for extremely quick and simple installation the Verteco range provides one of the quickest payback periods of any product in this marketplace.

The next generation of the Verteco builds on this success, incorporating all of the original features that have made it so popular with some of the largest logistics companies in the world yet introducing a wide range of new features to help enhance the functionality of the range and improve the payback period.

The Verteco 3 includes a wireless linking sensor as an optional extra, allowing the sensor to trigger adjacent luminaires so that lighting follows the movement of staff around the building. This predictive lighting system will improve the safety and working environment for employees by increasing lux levels in their area and allowing improved visibility along aisles, whilst reducing power consumption by allowing shorter time delays to be set.

Quick and simple installation has always been key to the Verteco. Reduced installation costs provide faster return on investment whilst also minimising downtime and inconvenience on site during the installation process. These features have again been enhanced with the Verteco which is now able to incorporate a wide range of connectors and electrical adaptors for all common trunking systems on the market.

As with previous generations of the Verteco, efficiency is key to ensuring the lowest possible lifetime cost of ownership. New optical designs will both improve optical efficiency and reduce power consumption, whilst ensuring that light is placed precisely where needed allowing for lower lumen packages to be used. The Verteco 3 is also available with integral lithium emergency helping to ensure the safety of your workplace. 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.



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

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## APPLICATION

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- › Food / Clean Area
- › Industrial / Manufacturing
- › Retail
- › Transport
- › Warehouse / Storage

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## SPECIFICATION

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### CONSTRUCTION

- › Housing: 0.7mm CR4 steel
- › Finish: Polyester powder painted BS 00E55 matt white 60% gloss
- › Endcaps: Injection moulded polycarbonate
- › Lens: Injection moulded polycarbonate lens
- › IP20

### PERFORMANCE

- › Part L2 compliant
- › 3SCDM Three step Macadams ellipse
- › TM21: L90>60K Hours / L80>90K Hours
- › Up to 173 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 Reacta-Control 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 Integral R18 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
- › Ground level commissioning with REA-AP controller allows quick and simple setting and adjustment of sensors without the need for costly commissioning.
- › R18 Integral sensor control provides daylight regulation and presence detection combined with optional wireless linking for Dexeco's predictive lighting system.

### **INSTALLATION**

- › Suitable for suspended installation
- › Suitable for trunking installation
- › Suitable for surface installation
- › Slide out brackets allow for quick mounting to standard trunking.
- › Side mounted plug and socket connector for quick electrical connection with no need to access the luminaire.

### **VARIATIONS**

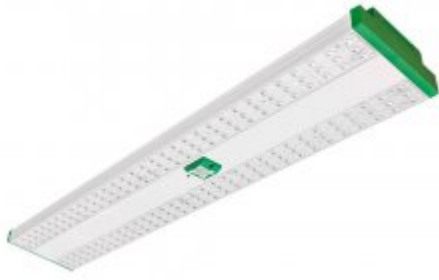
- › Available with a wide range of colour temperatures and renderings
- › Available in a range of housing sizes and lumen outputs

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## IMAGES

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### **PRODUCT IMAGES**



Verteco 3 1000mm



Verteco 3 1500mm



Verteco 3 1500mm L400

**PROJECT IMAGES**



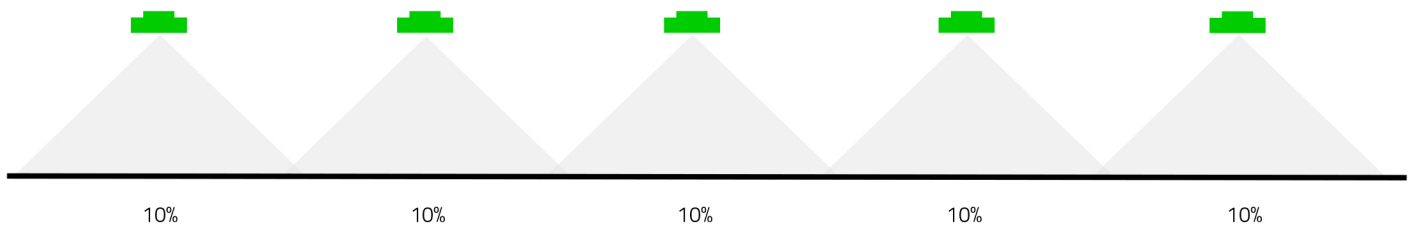


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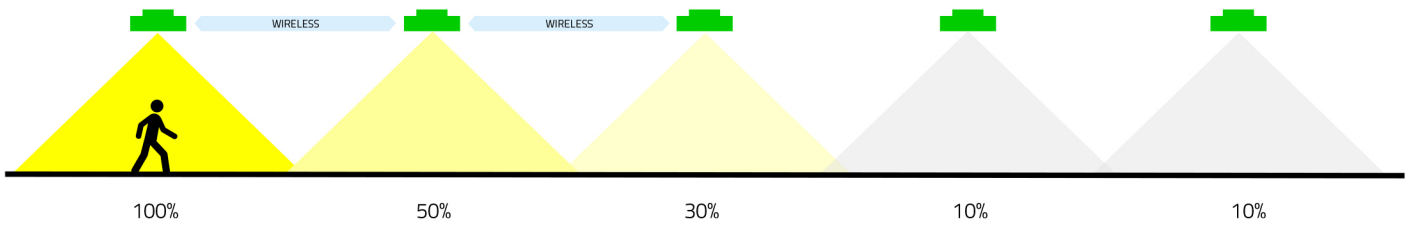
TECHNICAL

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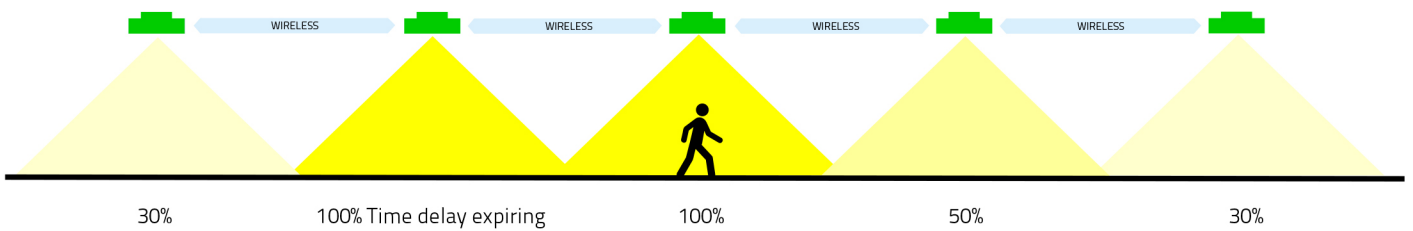
1) Aisle empty, all luminaires dimmed to 10% output



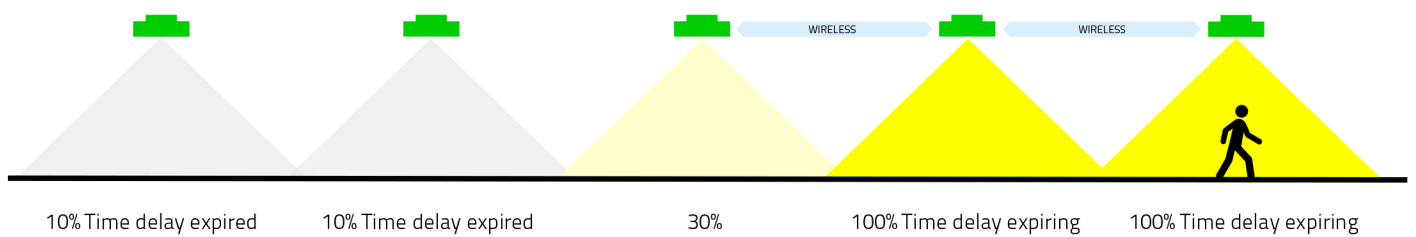
2) Pedestrian enters aisle



3) Pedestrian moves along aisle

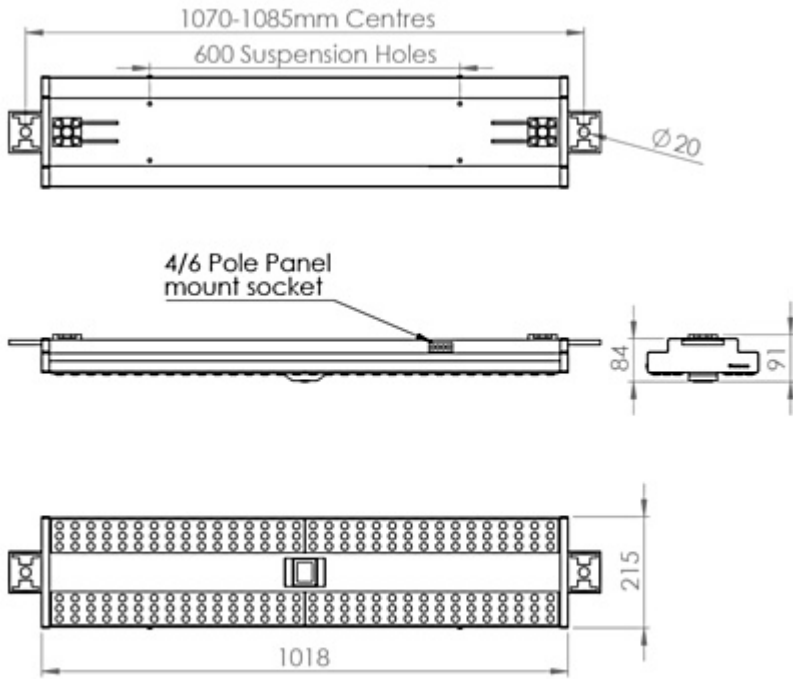


4) Pedestrian exits aisle

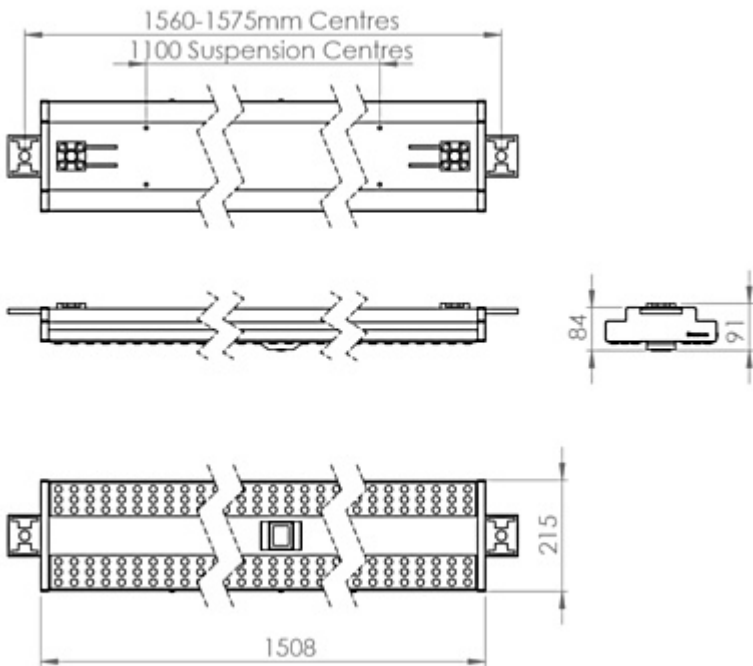


Bubble of Light with R18RF Wireless Sensor





Verteco 3 1000mm



Verteco 3 1500mm



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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, EXI2 LED, EXI Track, HBE LED, HBE2 LED, OAT2 LED, OEZ LED and Twinspot with Nickel Metal Hydride batteries are supplied with a one year warranty for parts and labour. Lithium variants of these ranges are supplied with a three year warranty for parts and labour with the exception of the AME2, EXI3, HBE3 and TWS IP65 L7 ranges which are supplied with a one year parts and labour warranty. TWS IP65 L7 in autotest and wireless variants are supplied with the standard three year lithium battery warranty.
- 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 RBGW, 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.**

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## ORDER CODES

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### LUMINAIRE

Code	Description	Power	lm/W
VRT3 L120 OA	Verteco 3, 1000mm, 11,024lm, Open Area, Colour 84	67.3W	163
VRT3 L160 OA	Verteco 3, 1000mm, 14,638lm, Open Area, Colour 84	89.6W	163
VRT3 L200 OA	Verteco 3, 1000mm, 18,140lm, Open Area, Colour 84	122.0W	148
VRT3 L240 OA	Verteco 3, 1000mm, 21,768lm, Open Area, Colour 84	154.2W	141
VRT3 L244 OA	Verteco 3, 1500mm, 22,188lm, Open Area, Colour 84	141.2W	157
VRT3 L295 OA	Verteco 3, 1500mm, 27,168lm, Open Area, Colour 84	179.9W	151
VRT3 L400 OA	Verteco 3, 1500mm, 37,776lm, Open Area, Colour 84	245.4W	153
VRT3 L600 OA	Verteco 3, 2000mm, 56,661lm, Open Area, Colour 84	351.3W	161
VRT3 L120 HR	Verteco 3, 1000mm, 11,548lm, High Rack, Colour 84	67.3W	171
VRT3 L160 HR	Verteco 3, 1000mm, 15,311lm, High Rack, Colour 84	89.6W	170
VRT3 L200 HR	Verteco 3, 1000mm, 18,799lm, High Rack, Colour 84	122.0W	154
VRT3 L240 HR	Verteco 3, 1000mm, 22,536lm, High Rack, Colour 84	154.2W	146
VRT3 L244 HR	Verteco 3, 1500mm, 23,388lm, High Rack, Colour 84	141.2W	165
VRT3 L295 HR	Verteco 3, 1500mm, 28,728lm, High Rack, Colour 84	179.9W	159
VRT3 L400 HR	Verteco 3, 1500mm, 38,584lm, High Rack, Colour 84	245.4W	157
VRT3 L600 HR	Verteco 3, 2000mm, 57,871lm, High Rack, Colour 84	351.3W	165
VRT3 L120 UHR	Verteco 3, 1000mm, 11,704lm, Ultra High Rack, Colour 84	67.3W	173
VRT3 L160 UHR	Verteco 3, 1000mm, 15,522lm, Ultra High Rack, Colour 84	89.6W	173
VRT3 L200 UHR	Verteco 3, 1000mm, 18,465lm, Ultra High Rack, Colour 84	122.0W	151
VRT3 L240 UHR	Verteco 3, 1000mm, 22,153lm, Ultra High Rack, Colour 84	154.2W	143
VRT3 L244 UHR	Verteco 3, 1500mm, 23,544lm, Ultra High Rack, Colour 84	141.2W	166
VRT3 L295 UHR	Verteco 3, 1500mm, 29,148lm, Ultra High Rack, Colour 84	179.9W	162
VRT3 L400 UHR	Verteco 3, 1500mm, 39,136lm, Ultra High Rack, Colour 84	245.4W	159
VRT3 L600 UHR	Verteco 3, 2000mm, 58,696lm, Ultra High Rack, Colour 84	351.3W	167

L600 variants can only be suspended or trunking mounted with a minimum of 500mm ventilation space above. We do not recommend suspended installation for sensor controlled variants

## 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
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
RCS	Reacta-Control Wireless, Presence & Daylight, 2.5-4M

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
LSTR	Lithium Reacta-Link Emergency 3 Hour
LA3RC	Lithium Reacta-Control Emergency 3 Hour
CB	Central Battery, Please Specify 50V, 110V or 230V when Ordering

## MISCELLANEOUS

Code	Description
C**	Select Colour Temperature and Rendering: C83, C84, C85, C865, C93, C94

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LSF

Low Smoke Zero Halogen

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220-240V / 50-60Hz  
IP20



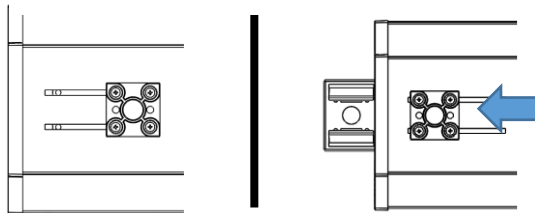
Terminal Labelling:	
<b>Power</b>	
L1	Switched Live
E	Earth
N	Neutral
<b>Emergency</b>	
L2	Unswitched Live
DA/AT3	DALI Autotest
DA/AT3	DALI Autotest
<b>Dimming</b>	
-/D1/DA	Analogue/DSI/DALI
+/D2/DA	Analogue/DSI/DALI
L3	Switch Dim / Corridor Function

**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 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. L600 variants can only be suspended or trunking mounted with a minimum of 500mm ventilation space above. We do not recommend suspended installation for sensor controlled variants.

### Trunking Mount Options

Slide the mount brackets out as shown below.



2.

**5050 Trunking**  
Use the brass bush and black plastic spacers supplied with the luminaire to secure to mount brackets similar to that shown here. (Brackets supplied by others).

3.

**Direct Trunking Mount**  
Various trunking mount options are available.

The mount brackets in the luminaire are compatible with Canalis, Zucchini and standard 50x50 trunkings. Please enquire if you are unsure whether the Verteco 3 can be mounted to your trunking. (Brackets supplied by others)

4.

5.

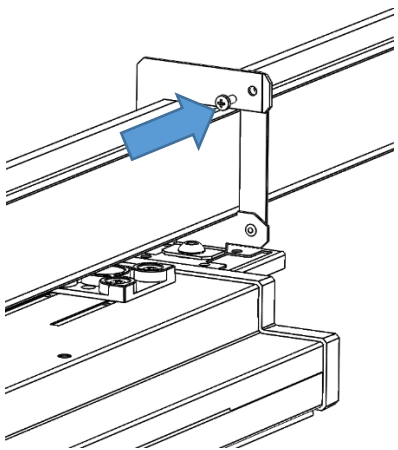
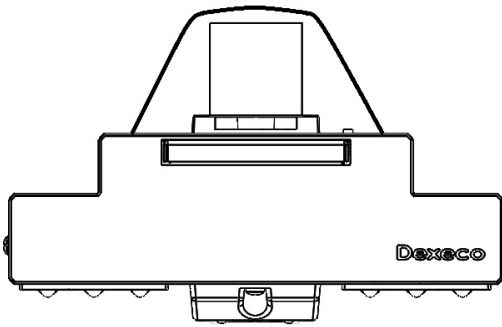
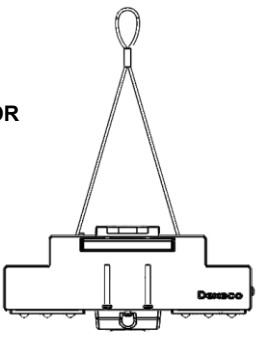
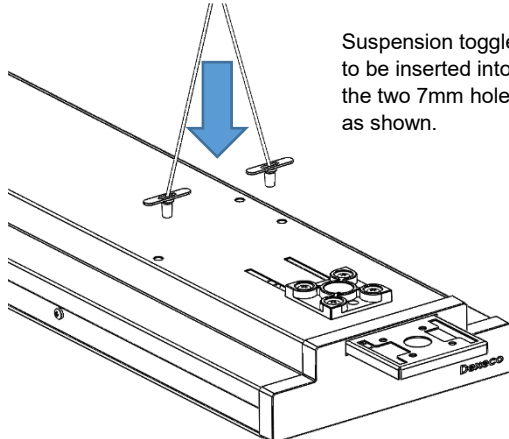
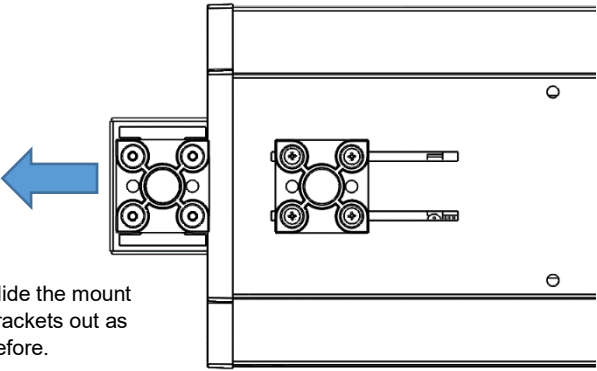
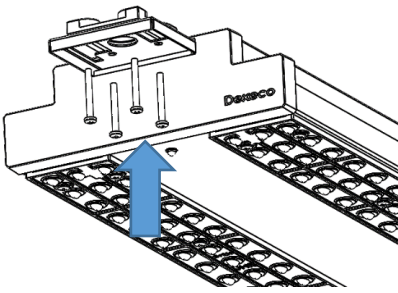
**Lightrak KNX Trunking**

Secure the trunking mount brackets to the slide out brackets using suitable fixings (not supplied)

6.

Attach the luminaire to the trunking using the mount brackets. Close the latch on the mount bracket.

## Verteco 3 Installation

<p><b>7.</b></p> <p>Insert locking screw into the bracket as shown to ensure the luminaire is securely attached to the trunking.</p> 	<p><b>8.</b> Always ensure safety tethers (supplied) are threaded through the suspension holes in the rear of the fitting before moving on to subsequent fittings.</p> 
<p><b>9. Suspended</b></p> <p><b>NOTE: NOT RECOMMENDED FOR CHAIN OR NON-RIGID FIXING WHEN USED WITH SENSOR</b></p> <p><i>(Suspension kit supplied separately)</i></p> <p>Suspend fitting by 2x suspension Holes on rear of fitting.</p> 	<p><b>10.</b></p> <p>Suspension toggles to be inserted into the two 7mm holes as shown.</p> 
<p><b>11. Surface Mounted</b></p>  <p>Slide the mount brackets out as before.</p>	<p><b>12.</b> Using the two black plastic spacers provided, secure the fitting directly onto the surface using 4x suitable screws each end (not provided).</p>  <p>Using the plug supplied, connect the mains cable into the panel mount in the side of the body.</p> <p>Commission luminaires as required.</p>
<p><b>Maintenance</b></p> <ol style="list-style-type: none"> <li>Disconnect luminaire before undertaking maintenance or cleaning.</li> <li>Cleaning should be undertaken on external parts of the luminaire only using a slightly damp lint free cloth.</li> <li>To access fitting use a pan pozi screwdriver to remove screws on side of fitting.</li> <li>Remove plastic rivets from rear to access LED circuits.</li> <li>Use a pan pozi screwdriver to remove components.</li> <li>Please contact Dextra for assistance with spare component supply.</li> </ol> 