# PRODUCT SPECIFICATION

## VERTECO 3

Dextra
GROUP PLC

MADE IN
BRITAIN®

## INTRODUCTION

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.

| UK CA | CE | IP20 | TM21: L90>60K Hours / L80>90K Hours | 3 STEP MACADAM ELLIPSE |
|-------|----|----|----|----|

## APPLICATION

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

## SPECIFICATION

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

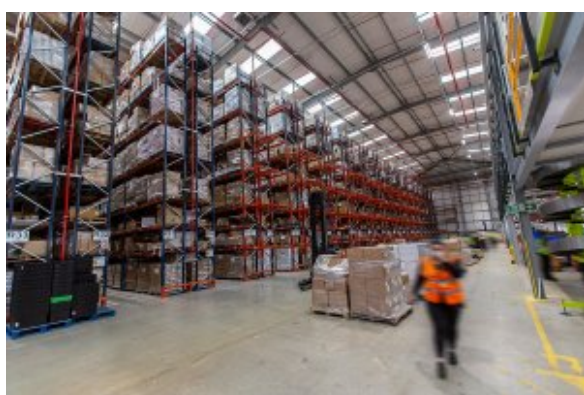## IMAGES

PRODUCT IMAGES


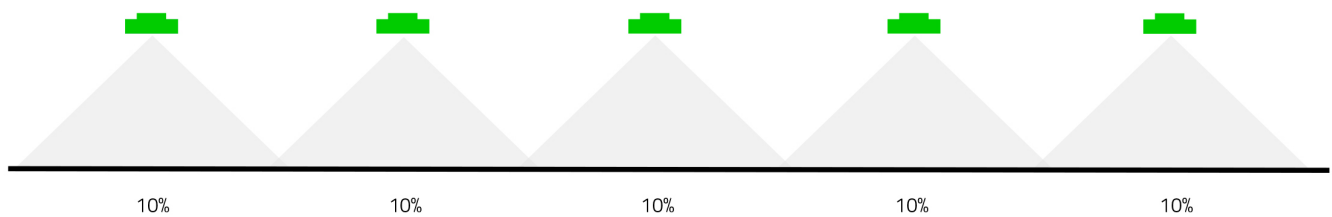
Verteco 3 1000mm



Verteco 3 1500mm
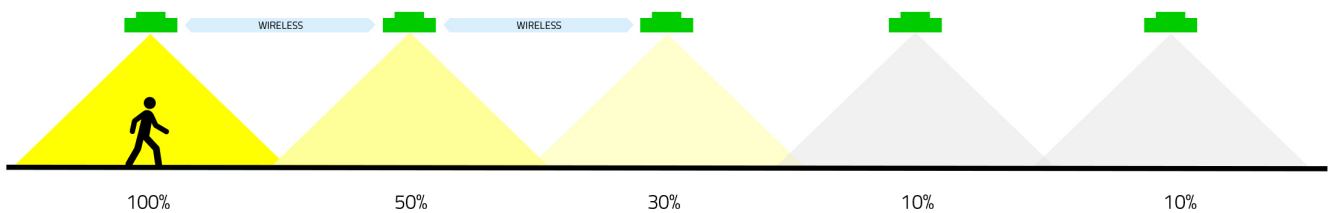
Verteco 3 1500mm L400
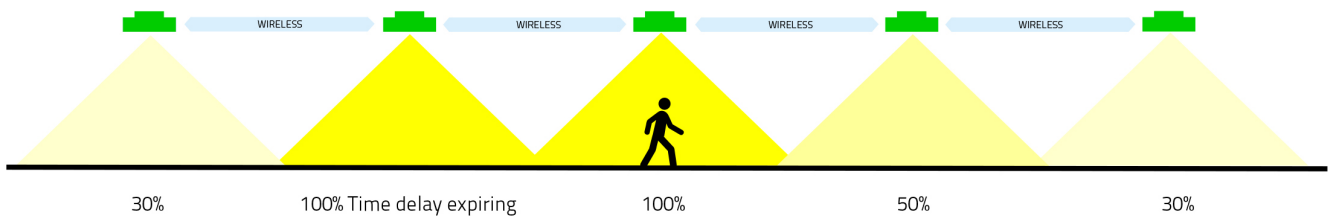
PROJECT IMAGES









## TECHNICAL

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

| 10% | 10% | 10% | 10% | 10% |

**2)** Pedestrian enters aisle

WIRELESS    WIRELESS

| 100% | 50% | 30% | 10% | 10% |

**3)** Pedestrian moves along aisle

WIRELESS    WIRELESS    WIRELESS    WIRELESS

| 30% | 100% Time delay expiring | 100% | 50% | 30% |

**4)** Pedestrian exits aisle

WIRELESS    WIRELESS

| 10% Time delay expired | 10% Time delay expired | 30% | 100% Time delay expiring | 100% Time delay expiring |
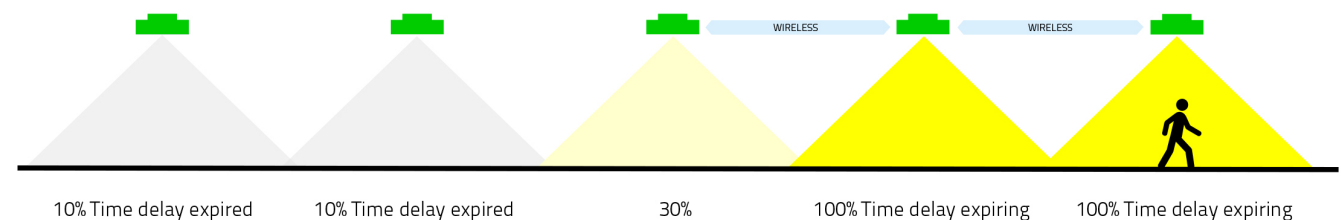
Bubble of Light with R18RF Wireless Sensor

| Verteco 3 1000mm |
| --- |

| Verteco 3 1500mm |
| --- |
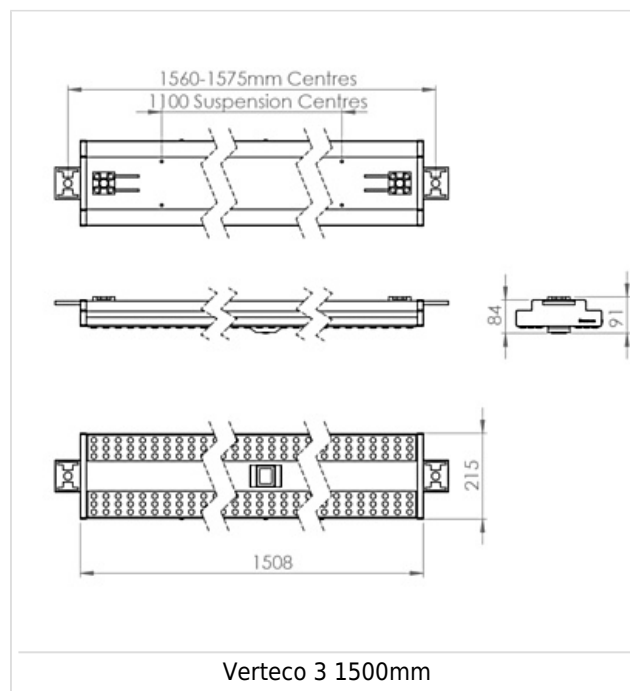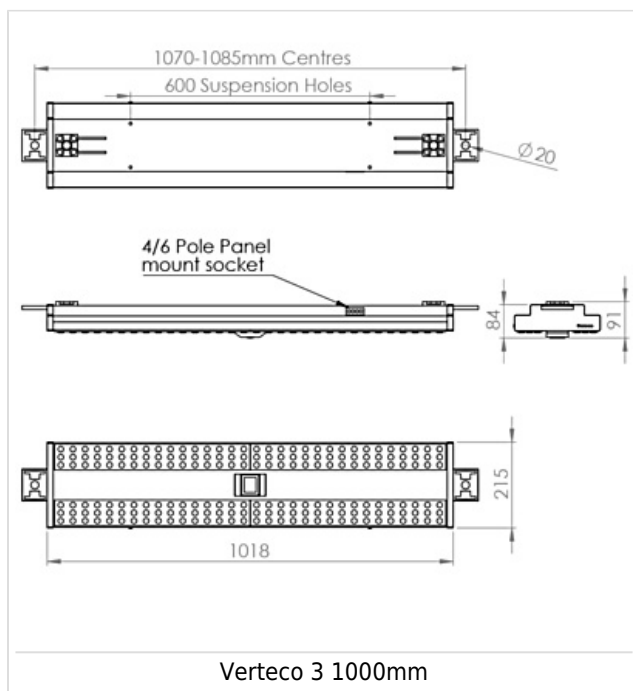
## WARRANTY

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 three year warranty for parts and labour. 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 and the MOD RGBW. These three 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.

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.

If you require any assistance with regards to our products please contact our Customer Services department on 01747 858100.

DOWNLOAD WARRANTY PDF

## ORDER CODES

LUMINAIRE

| Code | Description | Power | Llm/W |
|---|---|---|---|
| VRT3 L120 OA | Verteco 3, 1000mm, 11,024llm, Open Area, Colour 84 | 67.3W | 163 |
| VRT3 L160 OA | Verteco, 3, 1000mm, 14,638llm, Open Area, Colour 84 | 89.6W | 163 |
| VRT3 L200 OA | Verteco 3, 1000mm, 18,140llm, Open Area, Colour 84 | 122.0W | 148 |
| VRT3 L240 OA | Verteco 3, 1000mm, 21,768llm, Open Area, Colour 84 | 154.2W | 141 |
| VRT3 L244 OA | Verteco 3, 1500mm, 22,188llm, Open Area, Colour 84 | 141.2W | 157 |
| VRT3 L295 OA | Verteco 3, 1500mm, 27,168llm, Open Area, Colour 84 | 179.9W | 151 |
| VRT3 L400 OA | Verteco 3, 1500mm, 37,776llm, Open Area, Colour 84 | 245.4W | 153 |
| VRT3 L600 OA | Verteco 3, 2000mm, 56,661llm , Open Area, Colour 84 | 351.3W | 161 |
| VRT3 L120 HR | Verteco 3, 1000mm, 11,548llm, High Rack, Colour 84 | 67.3W | 171 |
| VRT3 L160 HR | Verteco 3, 1000mm, 15,311llm, High Rack, Colour 84 | 89.6W | 170 |
| VRT3 L200 HR | Verteco 3, 1000mm, 18,799llm, High Rack, Colour 84 | 122.0W | 154 |
| VRT3 L240 HR | Verteco 3, 1000mm, 22,536llm, High Rack, Colour 84 | 154.2W | 146 |
| VRT3 L244 HR | Verteco 3, 1500mm, 23,388llm, High Rack, Colour 84 | 141.2W | 165 |
| VRT3 L295 HR | Verteco 3, 1500mm, 28,728llm, High Rack, Colour 84 | 179.9W | 159 |
| VRT3 L400 HR | Verteco 3, 1500mm, 38,584llm, High Rack, Colour 84 | 245.4W | 157 |
| VRT3 L600 HR | Verteco 3, 2000mm, 57,871llm, High Rack, Colour 84 | 351.3W | 165 |
| VRT3 L120 UHR | Verteco 3, 1000mm, 11,704llm, Ultra High Rack, Colour 84 | 67.3W | 173 |
| VRT3 L160 UHR | Verteco 3, 1000mm, 15,522llm, Ultra High Rack, Colour 84 | 89.6W | 173 |
| VRT3 L200 UHR | Verteco 3, 1000mm, 18,465llm, Ultra High Rack, Colour 84 | 122.0W | 151 |
| VRT3 L240 UHR | Verteco 3, 1000mm, 22,153llm, Ultra High Rack, Colour 84 | 154.2W | 143 |
| VRT3 L244 UHR | Verteco 3, 1500mm, 23,544llm, Ultra High Rack, Colour 84 | 141.2W | 166 |
| VRT3 L295 UHR | Verteco 3, 1500mm, 29,148llm, Ultra High Rack, Colour 84 | 179.9W | 162 |
| VRT3 L400 UHR | Verteco 3, 1500mm, 39,136llm, Ultra High Rack, Colour 84 | 245.4W | 159 |
| VRT3 L600 UHR | Verteco 3, 2000mm, 58,696llm, 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 |
| RLS | Reacta-Link Wireless, Presence, 2.5-4M |
| 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 |
| LSF | Low Smoke Zero Halogen |