



# PRODUCT SPECIFICATION

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## HALOBAY SENSOR



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## INTRODUCTION

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The Halobay Sensor offers a highly efficient yet architecturally pleasing solution for medium to high level installations for use in applications such as logistics and manufacturing. With a spun aluminium housing and dished diffuser the Halobay combines an attractive appearance with excellent efficiency and is available with both an opal diffuser or a lensed optic enabling the light distribution to be tailored to suit your installation. The Halobay is available with an integral Reacta 18 sensor providing daylight regulation and presence detection with remote control programming ensuring your installation is dimmed to low output during periods of absence and daylight providing excellent energy savings and return on investment.

With its circular balanced design and centralised control gear the Halobay Sensor is suitable for single point suspension ensuring that traditional HID Highbay luminaires can be quickly and easily replaced without the need to modify infrastructure, minimising the cost of installation, whilst the wide range of variants, three lumen outputs, DALI, DSI, Switch Dim and Analogue dimming options as well as integral lithium emergency ensure the Halobay Sensor can be configured to suit your requirements. 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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## APPLICATION

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- Industrial / Manufacturing
- Warehouse / Storage

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## SPECIFICATION

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### CONSTRUCTION

- Housing: Spun aluminium
- Finish: Polyester powder painted BS 00E55 matt white 60% gloss
- Diffuser: Injection moulded clear 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 169 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.

### CONTROL

- 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
- Single point installation ensures it can be replaced one for one with traditional HID Highbay luminaires.

## VARIATIONS

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

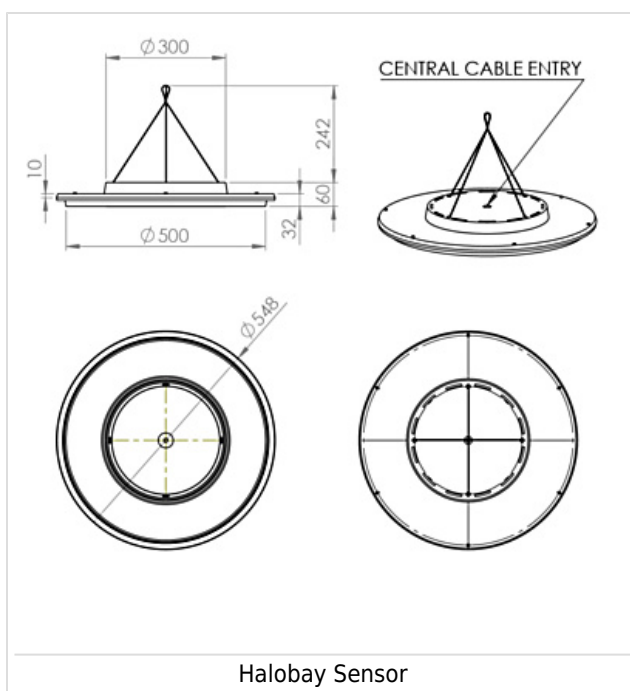
## IMAGES

### PRODUCT IMAGES



Halobay Sensor

## TECHNICAL



Halobay Sensor

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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 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 RGBW, the MOD RGBW and the Tanek 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.
- 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.

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 |
|-------------|--|--------|-------|
| HBY L120    | Halobay, 11,064lm, Colour 84                               | 65.1W  | 169   |
| HBY L120 CL | Halobay, 10,320lm, Clear diffuser with lens, Colour 84     | 65.1W  | 158   |
| HBY L180    | Halobay, 16,362lm, Colour 84                               | 102.1W | 160   |
| HBY L180 CL | Halobay, 15,414lm, Clear diffuser with lens, Colour 84     | 102.1W | 150   |
| HBY L260    | Halobay, 23,405lm, Colour 84                               | 163.2W | 143   |
| HBY L260 CL | Halobay, 22,092lm, Clear Diffuser Internal Lens, Colour 84 | 163.2W | 135   |

Supplied with suspension kit

### 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 |

Please click [here](#) for full details on our white tunable offer.

The Halobay L180 and L260 use two drivers per luminaire requiring two addresses on the DALI network.

### CONTROL

| Code | Description                                 |
|------|---|
| R18W | Reacta 18, Wide, Presence & Daylight, 7-18M |
| RLI  | Reacta-Link, Wireless Enabled Luminaire     |
| RC   | Reacta-Control, Wireless Enabled Luminaire  |

Sensor variants can only be used where luminaires will not be subject to air movement that may cause motion and false triggering.

### 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 |

Emergency is supplied in a remote pack for L260 variants, mounted on the rear of the luminaire.

### MISCELLANEOUS

| Code | Description |
|------|-------------|
|------|-------------|

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|-----|--|
| C** | Select Colour Temperature and Rendering; C83, C84, C85, C865, C93, C94 |
| LSF | Low Smoke Zero Halogen   |