



# PROTECTA III

Ex ec LED Linear

The **Protecta III LED** linear offers the performance, reliability and strength of our renowned Protecta range, now for Zone 2/22 applications. Suitable for use where harsh industrial environments are potentially explosive and across a broad range of industries including: Petrochemical and onshore oil and gas, food and beverage production locations and power generation sites.

Expected useful life to 70% of the initial lumens (L70) is 154,000 hours. With fully replaceable LED strips and drivers we deliver a trusted and iconic luminaire which is exceptionally energy efficient and offers effective long term maintenance capability.



## Mounting Options

Ceiling. Wall. Suspended. Pole/Stanchion

## Standard Specification

Protecta III Ex ec LED Linear

|                             |  |
|-----------------------------|--|
| Type of Protection          | Ex ec (Increased Safety)<br>Ex tc (Dust Protected Enclosure)   |
| ATEX Classification         | Group II Category 3 GD   |
| Area Classification         | Zone 2 areas to EN/IEC 60079 10-1, Zone 22 areas to EN 60079-10-2 with installation to EN 60079-14   |
| Certificate                 | EU Type Examination Certificate CML 21ATEX3109X<br>IECEX Certificate of Conformity IECEx CML 21.0008X<br>UK Type Examination Certificate CML 21UKEX3127X |
| Coding                      | Ex ec IICT4 Gc Ex tc IICT75°C Dc   |
| Enclosure                   | GRP body with polycarbonate cover  |
| Geartray                    | White coated Zintec  |
| Entry                       | 4 x M20 cable entries - 2 at each end  |
| Termination                 | 3 core 4mm <sup>2</sup> max conductor with looping and 16A rating through wiring [4 core on Emergency]   |
| Installation                | 2 x M8 moulded-in stainless steel bushes located on the rear of the body   |
| Control Gear                | Electronic Driver  |
| Colour Temperature (CCT)    | 4000K (Neutral White)  |
| Colour Rendering Index (Ra) | >80  |
| Maintenance                 | Quick release diffuser clamp and hinged cover  |
| LED Lifetime @ 55°C Ambient | L70 > 154,000hrs   |
| System life                 | 120,000hrs @ 25°C [excluding battery]  |
| Battery                     | Internal Ni-Cd (6V) [Emergency version only]   |
| Emergency Duration          | 3 Hours (02L version = 33% output, 04L version = 23% output, 07L version = 12% output)   |
| Impact Protection           | IK10   |
| Ingress Protection          | IP66/67 to EN 60529  |
| Surge Protection            | 02L = 1kV; 04L/07L = 4kV (Line to Line)  |
| Electrical Supply           | 120-277Vac, 50/60Hz; 127-250Vdc (02L); 127-300Vdc (04L/07L) [Standard version]<br>220-240Vac, 50/60Hz [Emergency version only]                           |

## Features

- ◆ Highly **Energy Efficient**
- ◆ Full length **easy access** diffuser clamp
- ◆ **DTS-01** deluge tested
- ◆ **Screwless** mains terminals
- ◆ **120,000 maintenance free hours** at 25°C
- ◆ **Battery monitoring** and automatic self test



UK / Europe / Africa / North America T: +44 (0)141 810 9644 E: hhsales1@hubbell.com  
Asia / Middle East / South America T: +44 (0)141 810 9666 E: hhsales2@hubbell.com



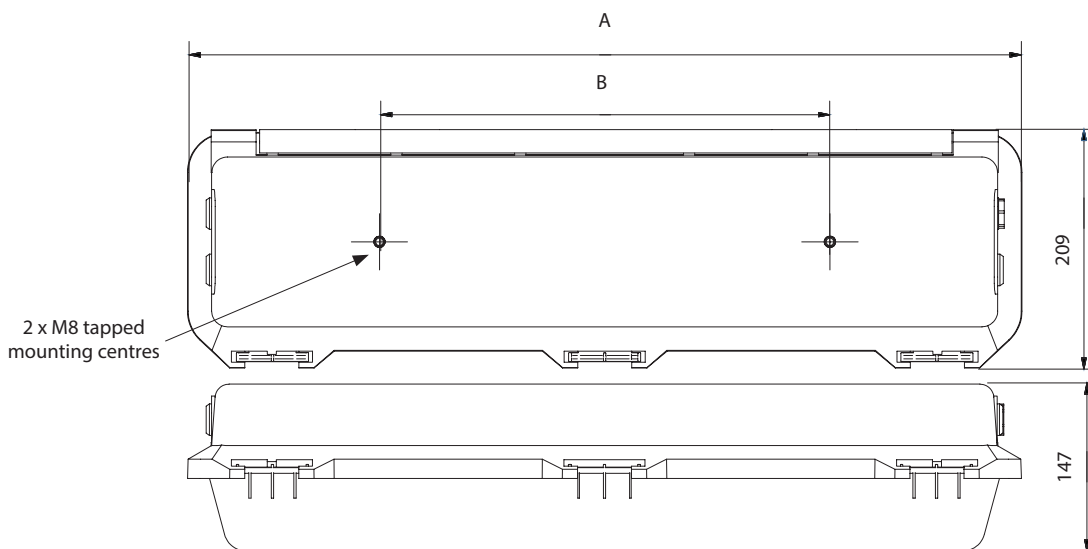
| Std. Cat No.   | Delivered Output | Power Consumption | Tclass | T°C (Dust) | Ambient °C | Weight |
|----------------|------------------|-------------------|--------|------------|------------|--------|
| PR3C/02L/LE    | 2296 lm          | 16W               | T4     | 75         | -40 to +55 | 4.8Kg  |
| PR3C/04L/LE    | 3526 lm          | 24W               | T4     | 75         | -40 to +55 | 4.9Kg  |
| PR3C/07L/LE    | 6690 lm          | 44W               | T4     | 75         | -40 to +55 | 8.2Kg  |
| PR3C/02L/LE/EM | 2296 lm          | 20W               | T4     | 75         | -25 to +50 | 5.8Kg  |
| PR3C/04L/LE/EM | 3526 lm          | 26W               | T4     | 75         | -25 to +50 | 5.9Kg  |
| PR3C/07L/LE/EM | 6690 lm          | 48W               | T4     | 75         | -25 to +50 | 9.2Kg  |

Options - Suffix to Catalogue No.

|       |  |       |   |
|-------|--|-------|---|
| /M25  | M25 cable entries  | /NST  | Non self test Inverter (EM only)                                      |
| /LBE  | Looping both sides   | /5K   | 5000K (Cool White) LED Strips   |
| /DM   | DALI dimmable driver(04L and 07L only)                       | /3K   | 3000K(Warm white) LED strips  |
| /EL   | Extra live termination facility (to match emergency circuit) | /SC   | Screwed connection terminal block (up to 6mm <sup>2</sup> conductors) |
| /OD   | Internal Opal diffuser (approx. 20% reduction in output)     | /BP   | Nickel plated brass plugs (x3)  |
| /JSVS | Inotec CBS type J-SV Modul/S                                 | /JSVT | Inotec CBS type J-SV Modul T/S  |

Accessories *order separately*

|   | Order Code   |
|---|--------------|
| Pole mounting bracket assembly (38/42 diameter poles)               | SPOL4-100001 |
| Pole mounting bracket assembly (48/52 diameter poles)               | SPOL4-100002 |
| Pole mounting bracket assembly (58/62 diameter poles)               | SPOL4-100003 |
| Hook type ceiling bracket assembly                                  | SPRO4-0005   |
| Flush mounted wall bracket assembly                                 | SPRO4-0006   |
| Ceiling bracket assembly  | SPRO4-0002   |
| Standard 2ft wall mounting outreach bracket (use with SPOL4-100001) | NPRO4-0008   |
| Standard 4ft wall mounting outreach bracket (use with SPOL4-100001) | NPRO4-0012   |
| Eyebolt mounting assembly   | SPRO5-0005   |
| Internal Opal Diffuser Strips(02L & 04L)                            | S3004-100005 |
| Internal Opal Diffuser Strips(07L)                                  | S3004-100006 |



| DIM   | 02L/04L | 07L  |
|-------|---------|------|
| DIM A | 742     | 1352 |
| DIM B | 400     | 700  |