

## XN Standard & emergency LED luminaire

Zones: **2** **22**

Cat: **3**



A highly competitive zone 2 LED luminaire for use in both internal and external hazardous area applications. Available in a range of sizes from 2-5ft with light output up to 6,637 Lumens.

Featuring a moulded GRP body and polycarbonate diffuser. Simple in design and suitable for most applications due to its IP65 rating. Three hour emergency versions are fitted with integral batteries and charging unit.

- ✓ Stainless steel clips means reduced corrosion
- ✓ 230V 50/60Hz standard.
- ✓ Low maintenance high efficiency LED light source



## Specifications & Options



|                              |                                                             |                                |                                                                                         |
|------------------------------|-------------------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------|
| <b>Label Marking</b>         | Ex II 3 GD<br>Ex nA nC mc IIC T4 Gc<br>Ex tc IIIC T135°C Dc | <b>Certification standards</b> | EN IEC 60079-0:2018<br>EN 60079-15:2010<br>EN 60079-18:2015+A1:2017<br>EN 60079-31:2014 |
| <b>Zoned areas</b>           | Zones 2 & 22                                                | <b>Certificates</b>            | PET 14ATEXTFXNX<br>PET 22UKEXTFXNX                                                      |
| <b>Ambient range ( max )</b> | -20°C to +51°C                                              | <b>IP rating</b>               | IP65                                                                                    |

|                                |                                                                                                                                                     |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Material</b>                | Tough GRP moulded body, polycarbonate diffuser, coated steel control gear tray, corrosion resistant gear tray & diffuser. EPDM, closed-cell gasket. |
| <b>Cable entries</b>           | 2 x M20, 1 plugged as standard.                                                                                                                     |
| <b>Electrical connections</b>  | 3 wire and earth cable size 4mm <sup>2</sup> max. Through wiring versions available.                                                                |
| <b>Light source</b>            | High efficiency LED                                                                                                                                 |
| <b>Light output</b>            | Various ranging from 2,655lm-6,637lm                                                                                                                |
| <b>Supply voltage (s)</b>      | 220V-240V AC 50/60 Hz as standard                                                                                                                   |
| <b>Installation / Mounting</b> | Snap on stainless steel brackets for vertical mounting are included, heavy duty options available - contact Petrel                                  |
| <b>Control gear</b>            | Electronic Driver. Microwave sensor versions available                                                                                              |
| <b>Dimensions</b>              | Size 2' 702mm, size 4' 1312mm, size 5' 1612mm, Single W, 102mm, Depth 108mm                                                                         |
| <b>Weight</b>                  | Size 2' 2.8kg, size 4' 3.2kg, size 5' 3.4kg.                                                                                                        |

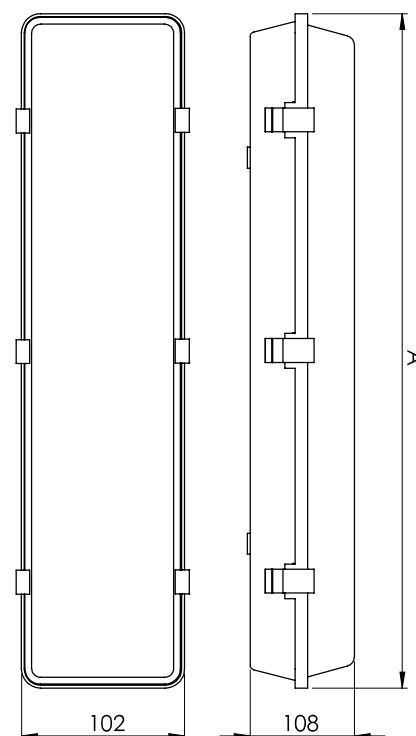
We offer  
a lighting  
design  
service

## XN Standard & emergency LED luminaire

### CIRCUIT BREAKER / INRUSH CURRENT

| Model      | typ.Ipeak       | No. of Luminaires per single pole Circuit Breaker |     |     |     |     |
|------------|-----------------|---------------------------------------------------|-----|-----|-----|-----|
|            |                 | Type                                              | 10A | 16A | 20A | 25A |
| XNLED127/T | 16.2A/184 $\mu$ | B                                                 | 17  | 27  | 34  | 43  |
|            |                 | C                                                 | 28  | 45  | 57  | 71  |
| XNLED147/T | 32.4A/184 $\mu$ | B                                                 | 8   | 13  | 17  | 21  |
|            |                 | C                                                 | 14  | 22  | 28  | 35  |
| XNLED157/T | 32.4A/184 $\mu$ | B                                                 | 8   | 13  | 17  | 21  |
|            |                 | C                                                 | 14  | 22  | 28  | 35  |

Supply voltage @230 VAC, mains impedance = 1 $\Omega$   
 In case of multi-pole CB the maximum number is reduced by 20%.  
 The maximum number may differ depending on CB manufacturer.  
 Please consult the manufacturer specifications.



### ORDERING INFORMATION

|          | Part Number | Description        | Light Source | Light Output | Nominal Power Consumption | Size (A) |
|----------|-------------|--------------------|--------------|--------------|---------------------------|----------|
| Standard | XNLED127/T  | 2' nA nC Luminaire | LED          | 2,655lm      | 30W                       | 702mm    |
|          | XNLED147/T  | 4' nA nC Luminaire | LED          | 5,310lm      | 60W                       | 1312mm   |
|          | XNLED157/T  | 5' nA nC Luminaire | LED          | 6,637lm      | 75W                       | 1612mm   |

|           | Part Number   | Description       | Light Source | Light Output | Nominal Power Consumption | Size   |
|-----------|---------------|-------------------|--------------|--------------|---------------------------|--------|
| Emergency | XNLED147/EM/T | 4 nA nC Luminaire | LED          | 5,310lm      | 60W                       | 1312mm |
|           | XNLED157/EM/T | 5 nA nC Luminaire | LED          | 6,637lm      | 75W                       | 1612mm |

Add "/TW" suffix for through wired option.  
 Contact Petrel for microwave sensor options

For safer hazardous areas call us today on

**0121 783 7161**

[sales@petrel-ex.co.uk](mailto:sales@petrel-ex.co.uk) | [www.petrel-ex.co.uk](http://www.petrel-ex.co.uk)



**Petrel**  
 .....  
 Hazardous Area Lighting Solutions