

# LDB, LDG and LDR Series Wellglass Luminaires

Flameproof. High Pressure High Pressure Sodium, Mercury, Metal Halide, Mixed, Incandescent, Induction

Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

## Applications

- For use in hazardous locations such as plants where plastics, paints, thinners and petrochemicals are manufactured.
- Ideal for street lighting on refinery sites or oil depots and for tank lighting purposes.

## Features

- Compensated power supply.
- Power factor  $\geq 0.9$
- Flat joint for IIB version, threaded joint for IIC version.
- E40 lamp holder with lock thread.
- High temperature internal wiring.
- Operates in any position subject to lamp type.
- Easy and efficient wiring due to separate Ex e terminal box with wiring onto two captive terminals capacity 6 mm<sup>2</sup> and two internal earth terminals capacity 6 mm<sup>2</sup>.
- External earth terminal capacity 4 mm<sup>2</sup>.
- 2 x M20 clearance holes through-wire cable entries supplied with one Ex e unarmored cable gland — sealing diameter 6.5 to 14.5 mm — and one blanking plug and two M20 locknuts.

## Standard Materials

- Body and bezel: gray painted marine grade aluminum alloy
- Internal reflector: aluminum
- External reflector: white painted zinc plated steel

## Certifications and Compliances

### ◆ ATEX/IECEX Certification

- **Certification Type: LTd (Model LT2d)**
  - Gas: Zone 1 - 2
    - Conforming to ATEX 94/9/CE: Ⓔ II 2 G
    - Type of Protection: Ex de IIB (LDB series); Ex de IIC (LDG and LDR series)
    - Temperature Class: *See Table on following page*
  - Dust: Zone 21 - 22
    - Conforming to ATEX 94/9/CE: Ⓔ II 2 D
    - Type of Protection: Ex tD A21
    - Surface Temperature: *See Table on following page*
  - Ambient Temperature: -40 °C to +55 °C
  - CE Declaration of Conformity: 50246
  - ATEX Certificate: LCIE 02 ATEX 6165
  - IECEx Certificate: IECEx LCI Ex 04.0019
  - Index of Protection according EN/IEC 60529: IP66/67
  - Impact Resistance (shock): IK08

### ◆ EURASEC Certification

- EURASEC N° TC RU C-FR.Г505.B.00912



LDB Version



LDB Version with Guard

# LDB, LDG and LDR Series Wellglass Luminaires

Flameproof. High Pressure Sodium, Mercury, Metal Halide, Mixed, Incandescent, Induction

Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

## Accessories

Description	Weight kg	Volume dm <sup>3</sup>	Catalog Number
<b>Protective Guard</b>			
 Zinc plated steel protective guard	1.2	27	<b>LDPG2Z</b>
<b>External Reflector</b>			
 White painted steel	3.4	108	<b>LDER2Z</b>
 White polyester	2.5	108	<b>LDER2P</b>
<b>Hinged Bracket</b> – Zinc plated steel hinged bracket for installation on flat surface			
 For LDB or LDG Series	3.4	8	<b>LDGHBZ</b>
 For LDR Series	3.4	8	<b>LDRHBZ</b>
<b>Eyebolt</b> – Zinc plated steel eyebolt for suspension			
 M10 – For LDB or LDG Series	0.1	0.2	<b>LDRBM10Z</b>
 M16 – For LDR Series	0.1	0.2	<b>LDRBM16Z</b>
<b>Mounting Strap</b> – Zinc plated steel mounting straps			
 For LDB or LDG Series	0.9	0.6	<b>LDGSBZ</b>
 For LDR Series	0.9	0.6	<b>LDRSBZ</b>

## Dimensions in Millimeters (Inches)

