

# LDP Series Wellglass Luminaires

Flameproof. Compact Fluorescent, Halogen, Incandescent, Mixed

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

- Permissible lamps (not supplied):
  - 18 to 25 W compact fluorescent lamps
  - 70 to 150 W halogen lamps
  - Up to 200 W incandescent lamps
  - Up to 160 W mixed lamps
- E27 lamp holder.
- Threaded flame path.
- Connection to lampholder:
  - 2 x 2.5 mm<sup>2</sup> or to terminal block
  - 2 x 2.5 mm<sup>2</sup> supplied for through-wiring application.
- Suspension via integrated eye bolt for side cable entry versions.
- Supplied with one blanking plug for side cable entry versions.

## Standard Materials

- Body and bezel: gray painted marine grade aluminum alloy
- Internal reflector: aluminum

## Certifications and Compliances

### ◆ATEX Certification

#### • Certification Type: AB14

- Gas: Zone 1 - 2
  - Conforming to ATEX 94/9/CE: Ⓢ II 2 G
  - Type of Protection: Ex d IIC
  - Temperature Class: See Table
- Dust: Zone 21 - 22
  - Conforming to ATEX 94/9/CE: Ⓢ II 2 D
  - Type of Protection: Ex td A21
  - Surface Temperature: See Table
- Ambient Temperature: -40 °C to +55 °C
- CE Declaration of Conformity: 50231
- ATEX Certificate: LCIE 02 ATEX 6053
- Index of Protection according EN/IEC 60529: IP66
- Impact Resistance (shock): IK08
- Internal Volume: > 2 dm<sup>3</sup> - 2 liters



Side Cable Entry Version

### ◆EURASEC Certification

- EURASEC N° TC RU C-FR.Г505.B.00912

Lamp Type and Wattage	Temperature Class for Gas				Surface Temperature for Dust	
	Ambient Temperature Ta = +40 °C		Ambient Temperature Ta = +50 °C		Ambient Temperature Ta = +50 °C	
	Temperature Class	Cable Entry Temperature	Temperature Class	Cable Entry Temperature	Surface Temperature	Cable Entry Temperature
18 W Compact Fluorescent	T6	–	T5	–	+85°C	–
20 W Compact Fluorescent	T6	–	T5	–	+85°C	–
25 W Compact Fluorescent	T6	–	T5	–	+85°C	–
70 W Halogen	T4	–	T3	+90°C	+130°C	+90°C
150 W Halogen	T4	+85°C	T3	+95°C	+145°C	+95°C
160 W Mixed	T4	+115°C	T3	+125°C	+145°C	+125°C
100 W Incandescent	T4	+115°C	T3	+125°C	+145°C	+125°C
200 W Incandescent	T4	+115°C	T3	+125°C	+145°C	+125°C

# LDP Series Wellglass Luminaires


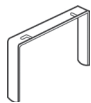
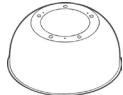
## Flameproof. Compact Fluorescent, Halogen, Incandescent, Mixed

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

### Flameproof Wellglass Luminaires for Hazardous Areas – Ex d IIC – LDP Series

Cable Entries	Weight kg	Volume dm <sup>3</sup>	Catalog Number
2 x M20 side entries	5	35.5	LDP2M20
2 x 3/4" NPT side entries	5	35.5	LDP2075
1 x 3/4" NPT top entry	5	35.5	LDP1075

### Accessories

Description	Weight kg)	Volume dm <sup>3</sup>	Catalog Number
<b>Protective Guard</b>			
 Zinc plated steel protective guard	0.4	97	LDPG3Z
<b>Hinged Bracket</b>			
 Zinc plated steel hinged bracket for installation on flat surface	1.4	3.5	LDPHBZ
<b>External Reflector</b>			
 External white polyester reflector	3.2	97	LDER1P

### Photometric Data

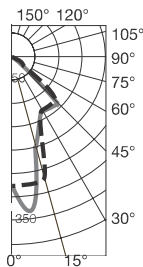
Polar curves for a 1000 lm flux, according to NF C 71-120.  
Luminaire symbol according to NF C 71-121.

200 W incandescent  
Efficiency 66.5%  
NF C 71-121: 0.60 H + 0.06 T

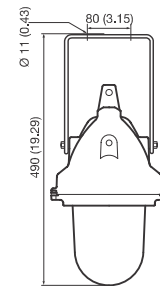
--- Longitudinal  
— Transverse

#### CANDELA DISTRIBUTION

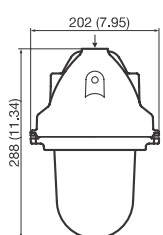
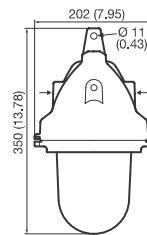
	0-180	90-270
0	274	274
5	318	281
10	328	317
15	268	202
20	130	134
25	104	89
30	85	89
35	123	90
40	104	103
45	99	89
50	94	86
55	93	88
60	94	88
65	99	89
70	91	80



### Dimensions in Millimeters (Inches)



#### Side Cable Entries with Hinged Bracket



Side Cable Entries

Top Cable Entry

Shaded catalog numbers are normally stocked items. All other items are made to order.