

Luminaires with higher degree of protection

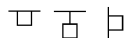
# LUMEX LB



### Quickinfo

#### LUMINAIRE

Wall, ceiling, pipe surface mounting, suspended mounting  
die-cast aluminum, polycarbonate  
IP66/67, IK08  
grey



#### LED

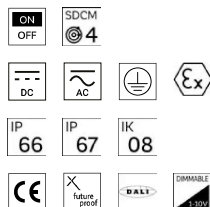
4,000K, CRI>80  
Initial MacAdam 4 SDCM  
75,000h L80

#### LIGHT DISTRIBUTION



#### ELECTRIC

ON-OFF switchable  
Various versions covering both AC and DC operation and a wide voltage range.



#### Description

The LUMEX LB1 and LB2 luminaires are designed for safe and efficient lighting in hazardous areas of Zones 1, 2, 21 and 22. Built with a compact, hermetically sealed housing, die-cast aluminum body and UV-resistant polycarbonate diffuser, they ensure long service life even under dust, moisture and corrosive conditions.

Equipped with high-efficiency LEDs (up to 140 lm/W), the LB series delivers powerful, uniform illumination while reducing energy consumption. Easy installation and flexible mounting options make them ideal for industrial halls, production lines, warehouses and demanding environments across chemical, petrochemical and energy sectors.

Available with multiple power levels, color temperatures and optional accessories, the LUMEX LB1 and LB2 provide maximum safety, efficiency and adaptability for modern explosion-proof lighting systems. Versions with 1-10 V dimming are available exclusively for Zone 2.



#### Types

ARTICLE NUMBER	POWER	LUMINOUS FLUX	COLOUR TEMP.	SURROUND-INGSTEMP	CLASS TEMPERATURE	WEIGHT
EPLB020.1142Y.ZX	20W	2906lm	3000K 4000K 5000K 6500K	-32°C ~ +60°C	T5/T95°C	4,4kg
EPLB030.1142Y.ZX	30W	4344lm				
EPLB040.1142Y.ZX	40W	5738lm				
EPLB050.1142Y.ZX	50W	7032lm				
EPLB060.1142Y.ZX	60W	8376lm				
EPLB070.1142Y.ZX	70W	10364lm				
EPLB080.1142Y.ZX	80W	11757lm	-32°C ~ +50°C			



#### Dimensions

Ø230x320mm

#### Optional

Controls – cable gland, type size – reflector – mounting - etc.

#### Special Features

- High resistance to industrial corrosive environments
- High luminous efficiency
- High-efficiency driver and LED
- Resistant to UV radiation

#### Light distribution



CLEAR 115°

#### Light distribution



REFLECTOR

#### EXPLOSION PROTECTION



II 2G Ex eb ib mb op is IIC T5 Gb

II 3G Ex ec op is IIC T6...T5 Gc

II 2D Ex tb op is IIC T85...T95°C Db

#### Accessories

ACCESSORIES	DESCRIPTION
	WG – steel mesh
	R – symmetrical reflector
	A90 – angle adaptor for cable gland
	ST43-49 – pipe mount (Ø43 to 49mm) ST48-55 – pipe mount (Ø48 to 55mm) ST56-65 – pipe mount (Ø56 to 65mm)
	L – angular mounting bracket

Note: DALI and 1-10V available only for Zone 2.