

Luminaires with higher degree of protection

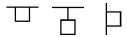
LUMEX HB



Quickinfo

LUMINAIRE

Wall, ceiling, surface mounting
aluminum body with tempered glass-
IP66/67, IK10 - grey



LED

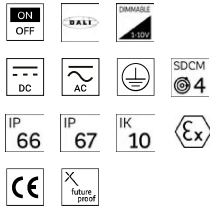
4,000K, CRI>80
Initial MacAdam 4 SDCM
75,000h L80

LIGHT DISTRIBUTION



ELECTRIC

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



Description

The LUMEX HB is a high-performance explosion-proof LED luminaire designed for Zone 1 and Zone 2 hazardous environments. Engineered for industrial halls, processing plants, and underground facilities at risk of gas and dust explosions, it combines robust explosion proof protection with maximum efficiency and reliability. With a wide range of power ratings and luminous efficacy up to 160 lm/W, the HB delivers powerful, uniform illumination even in the most demanding applications. The compact aluminum housing with tempered glass lens provides IP66/67 and IK10 protection, ensuring resistance against dust, water and mechanical impact. Optional versions include high-temperature (HT) designs, surge-protected (SPD) models, and variants with DALI or 1-10 V dimming. Accessories such as symmetrical or asymmetrical reflectors, wall or pipe mounts, and protective wire guards expand flexibility for different installation scenarios. Thanks to its wide AC/DC voltage compatibility, long lifetime, and robust construction, the LUMEX HB is a reliable and versatile choice for hazardous areas requiring strong, safe, and energy-efficient lighting.



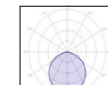
Types	ARTICLE NUMBER	POWER	LUMINOUS FLUX	COLOUR TEMP.	SOURROUNDING TEMP.	CLASS TEMP.	WEIGHT
	EPHB040.1142Y.ZX.XX	40W	6,200lm	3000K optional 4000K 5000K optional 6500K optional	-32°C ~ +40°C -32°C ~ +45°C -32°C ~ +50°C -32°C ~ +55°C -32°C ~ +60°C	T5/T80°C T5/T85°C T5/T90°C T5/T95°C T4/T1100°C	6.8kg
	EPHB060.1142Y.ZX.XX	60W	9,300lm				
	EPHB080.1142Y.ZX.XX	80W	12,400lm				
	EPHB100.1142Y.ZX.XX	100W	15,500lm				
	EPHB120.1142Y.ZX.XX	120W	18,600lm				
	EPHB140.1142Y.ZX.XX	140W	21,700lm				
	EPHB150.1142Y.ZX.XX	150W	23,250lm				
	EPHB160.1142Y.ZX.XX	160W	24,800lm				
	EPHB180.1142Y.ZZ.XX	180W	27,900lm		-32°C ~ +40°C -32°C ~ +45°C -32°C ~ +50°C -32°C ~ +55°C	T5/T85°C T5/T90°C T5/T95°C T4/T1100°C	
	EPHB200.1142Y.ZZ.XX	200W	31,000lm				
	EPHB220.1142Y.ZZ.XX	220W	34,100lm				
	EPHB240.1142Y.ZZ.XX	240W	37,200lm				
	EPHB250.1142Y.ZZ.XX	250W	38,750lm		-32°C ~ +40°C -32°C ~ +45°C -32°C ~ +50°C	T5/T90°C T4/T1100°C	
	EPHB260.1142Y.ZZ.XX	260W	40,300lm				
	EPHB270.1142Y.ZZ.XX	270W	41,850lm				
	EPHB040HT.1142Y.ZZ.XX	40W	6,200lm				
	EPHB060HT.1142Y.ZZ.XX	60W	9,300lm				
	EPHB080HT.1142Y.ZZ.XX	80W	12,400lm				



Optional

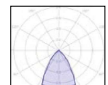
Glass type – controls – surge protection – different types of cable glands and entry's – etc.

Light distribution



CLEAR 145°

Light distribution



CLEAR 60° WITH REFLECTOR

Accessories

DESCRIPTION	DESCRIPTION
	WU – universal mount (mount for pipe max. Ø60 or wall mount)
	WM – wall mount
	R – symmetrical reflector
	AR – cut reflector
	WG – Steel mesh
	JB – junction box dimensions: 1: 80x75x55 or 2: 122x120x55

Special Features

- Pass-through terminals enabling the use of wires from 1mm² to 4mm²
- High resistance to industrial corrosive environment
- Resistant to UV radiation

EXPLOSION PROTECTION



ZONE 1, 21
II 2G Ex eb ib mb op is IIC T5 Gb
II 2D Ex tb op is IIC T95°C Db

for SPD variant (surge protection device):
II 2G Ex db eb ib mb op is IIC T5 Gb
II 2D Ex tb op is IIC T95°C Db

for HT variant (high temperature):
II 2G Ex eb ib mb op is IIC T4 Gb
II 2D Ex tb op is IIC T121°C Db

ZONE 2, 22
II 3G Ex ec op is IIC T5 T4 Gc
II 2D Ex tb op is IIC T95°C Db

Note: Class II Insulation, DALI and 1-10V available only for Zone 2