

Data Link Ex GalaLED IP66/67 IK08

DataLink Ex GalaLED portable worklight

Ex GalaLED is a portable, low voltage LED lighting with high level of protection intended for use in places with an explosive gas and dust atmosphere. With high light intensity and no glare.

The lamp is designed for use in the marine, shipbuilding, ship repair, and offshore industries, both for indoor and outdoor spaces. It can be used as portable, temporary Explosion-proof lighting and it can be positioned as general, fixed in Ex-proof lighting.

During the development process of Ex GalaLED, the main focus was on the compactness of the lamp so Data Link created a low weight Explosion proof compact light, which is easy to handle and manipulate.

The Explosion-proof GalaLED is a state-of-the-art product with many outstanding features. The lamp operates on 230VAC and on safety, low voltage of 42 VAC which is in compliance with the highest safety standards (CENELEC norm HD63751). This Explosion-proof light weighs only 2,3kg, has luminous flux up to 2.500 lumen, and a high level of protection.

The lamp is not only "armor" with a retrofitted LED light, but a specially designed LED light source with an extremely robust and reliable enclosure that is also a heat sink for very efficient LED cooling.

Usage:

Explosion proof work light GALA is designed for application in indoor and outdoor facilities and industrial areas. It is used as temporary safety voltage lighting in the marine industry is highly flammable, hazardous areas with explosive gas and dust atmosphere – shipbuilding, ship repair, offshore, painting, maintenance. **Applicable in Hazardous zones 1, 2, 21, 22.**

Ex db Zone Level 1 Gb and 2 Gc for Gas Group IIA, IIB, IIC
Ex tb Zone Level 21 Db and 22 Dc for Dust Group IIIA, IIIB, IIIC.

Ex GalaLED Key Advantages:

The main advantages of Ex GalaLED work lighting are significant financial savings and cost reductions achieved through the use of this lighting, large energy power savings, an increase in lighting operation reliability and a major increase in worker safety and productivity due to the high luminosity of the lighting.

Ex GalaLED Features:

- Explosion proof work lighting has excellent thermal management because the LED engine is directly attached to the top and bottom cover acting as an efficient heat sink.
- The LED light source has a circular characteristic of 360°.
- This Explosion proof work light has high light intensity but in the same time there is no glare.
- Work light with low weight of 2,3kg.
- The LED light source is at least 25W, with luminous flux of at least 2.500lm.
- Efficient and quality cooling of Explosion proof LED light source.

Technical specifications:

Electrical Characteristics:

Nominal Voltage: 24Vac, 42Vac, 110Vac, 230Vac.
 Operating Voltage: 20-30Vac/20-30Vdc, 38-48Vac/38-60Vdc, 90-130Vac/90-130Vdc and 210-250Vac.
 Total power consumption 20W, 25W, 25W, 30W.
 Power Factor: ≥0.98 at 24Vac, >0.98 at 42Vac, >0.85 at 110Vac, >0.98 at 230Vac.
 Total Harmonic Distortion: at 42V/25W ~8%, at 230V/30W ~13%.
 Operating Temperature: -40°C to +50°C

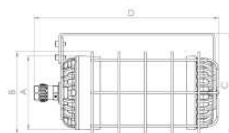
Light Technology Characteristics:

Initial Total lumens: ~2.300lm for the 24Vac, ~3.000lm for the 42Vac and 110Vac and ~3.500lm for the 230Vac.
 Luminaire efficacy: ~115lm/W for the 24Vac, ~120lm/W for the 42Vac and 110Vac and ~115lm/W for the 230Vac.
 CCT: ~5.000K.
 CRI: 80-85.
 Illumination angle: 360°. For the 230Vac also possible in 180°.

Protection and Construction:

IP and IK Protection: IP66, IP67 and IK08.
 Protections: OVP (Over Voltage Protection), OTP (Over Temperature Protection).
 Diffuser: PMMA 2.5mm.
 Housing: Aluminium alloy powder painted with tempered borosilicate glass tube.
 Gasket: Silicone Gasket.
 Connecting Terminal: L,N,PE max. 3x2.5 mm², external PE terminal m5.
 Cable Entry M20x1.5: 2x Ex Glands or Ex Gland and Ex Plug.
 Fixture Weight: 2.3kg (lamp only).
 Lifespan (on 25°C): 60.000 hours.
 Explosion Protection: II 2G Ex db op is IIC T6 Gb; II 2D Ex tb op is IIIC T85°C Db.
 Certificate: EXA 16 ATEX 0069X, IECEx EXA 18.0006X.

Ex GalaLED Dimensions :

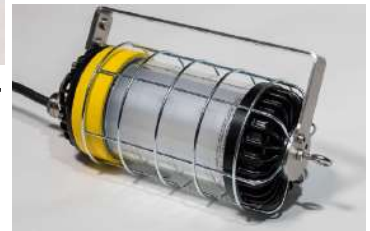
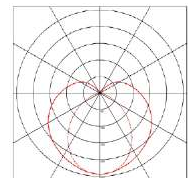
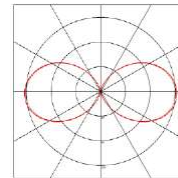


Article No.	A	B	C	D
ALL Numbers	ø110mm	ø125mm	155mm	280mm



Polar Curve Ex GalaLED 360°

Polar Curve Ex GalaLED 180°



Ex GalaLED Accessories:

Article No.	Description
580160	Ex GalaLED Protective Grid
580161	Ex GalaLED Vertical Cable Hanging Set
580162	Ex GalaLED Wall/Ceiling Mounting Bracket
580163	Ex GalaLED Escape Route Pictogram
580164	Ex GalaLED Horizontal Cable Hanging Set
580165	Ex GalaLED Blind (stopping) Plug M20x1.5
580170	Ex GalaLED Cable Gland M20x1.5 for 10 - 14.3 diam. cable
580171	Ex GalaLED Cable Gland M20x1.5 for 7 - 12 diam. cable
580172	Ex GalaLED Antistatic Protective Peel Off Foil