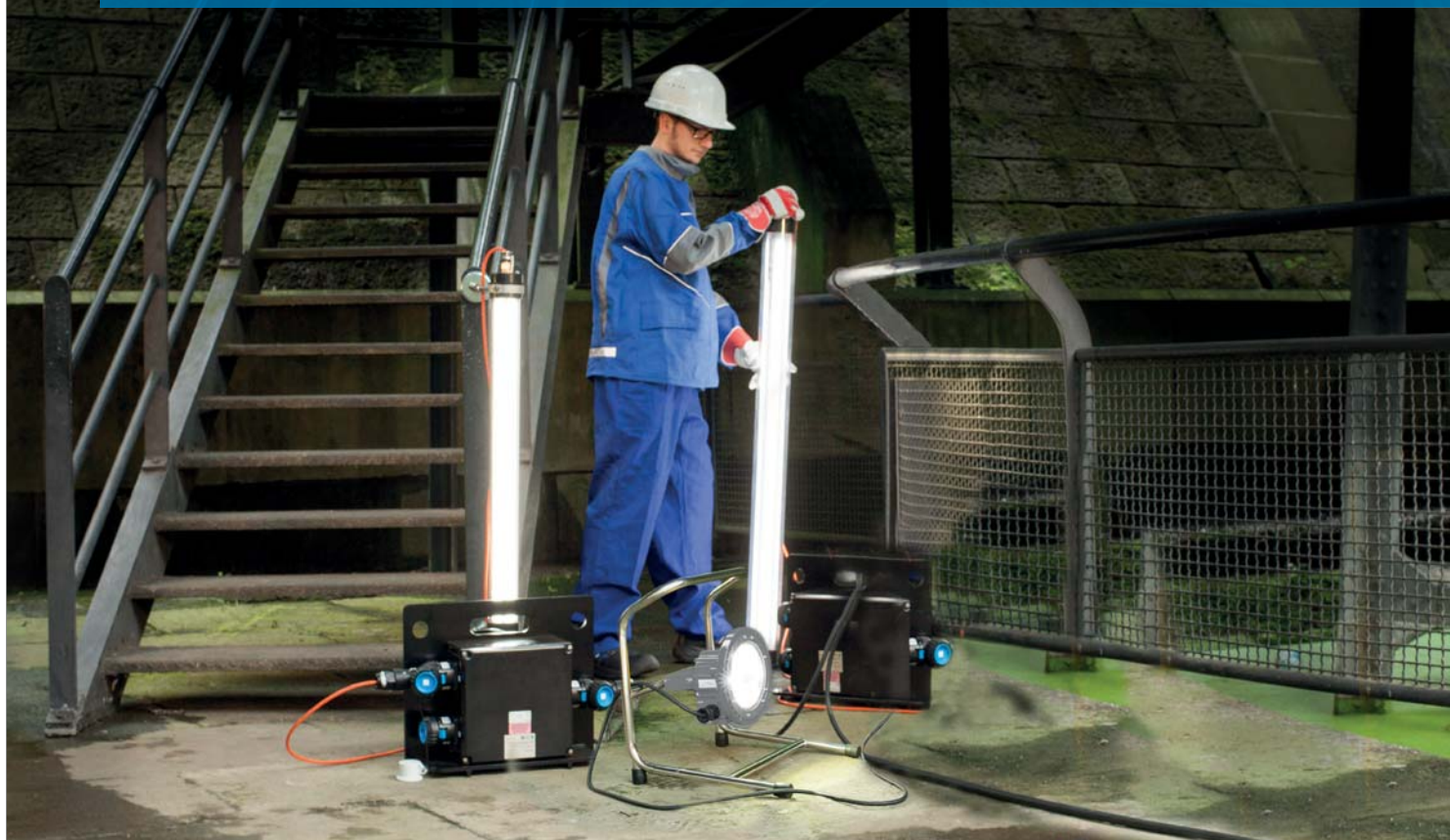


CEAG Products  
Explosion protected portable light fittings

CROUSE-HINDS  
SERIES



LEL Portable - Your Power Light Source for Hazardous Areas  
Explosion-protected non-stationary LED floodlight for Zone 1, 2, 21 and 22



**EATON**

*Powering Business Worldwide*

# Ex-Floodlight LEL Portable

(Ex-Zone 1, 2, 21 and 22)

## Lighting under harsh conditions

The new floodlight LEL Portable in LED technique is especially suited for the specific lighting of machines, production areas or facilities indoor and outdoor with potentially explosive areas under harsh and hazardous conditions like vibrations, dust, moisture or corrosive atmospheres and extreme temperatures.

## Replacement of conventional light fittings up to 150 W

With a luminous flux of the light fittings of 5,000 lm this floodlight can be used to replace comparable conventional light sources with an equivalent power consumption up to 150 W.

## High efficient LED technology

High efficient power LED module and more than 112 Lumen/Watt enables up to 70 % energy-cost savings compared to conventional HID lamp

## Flexible application

With its light weight and the ergonomic designed floor stand this floodlight can be easily carried and used, wherever it is needed. The individual light direction is realised by the swivel bracket. The flexible mains cord with its 3-pole plug in included and can be easily stored by a take-up device.

## Best lighting technology for various applications

As an important part of the Eaton Portable Ex-Solutions the LEL Portable can ideally be used for the lighting of maintenance and repair works in hazardous areas Zone 1, 2, 21 and 22. Furthermore this floodlight can be used for the illumination of accident sites and dangerous spots, where an explosive atmosphere must be expected.



## Features

- Explosion protected; approved for Zone 1, 2, 21 and 22
- High-efficient LED module with more than 112 Lumen/Watt
- Wide temperature range from -40 °C up to +45 °C
- Compact and light weight design for flexible applications
- Flexible mains cord with 3-pole Ex-plug
- High efficient heatsink design for an optimised temperature management
- High degree of protection IP66 for harsh environments

# Ordering details, Technical data, Polar curve, Dimension drawing

LEL Portable for Ex-Zone 1, 2, 21 and 22

## Ordering details

Type	Lamp / illuminant	Description	Mains cord, Cable gland; plug	Order No..
<b>LEL Portable 5L</b>				
LEL Portable 5L	LED system 50 W <sup>1)</sup>	LED floodlight with floor stand and mains-cord with plug <sup>1)</sup>	Rubber sheathed cable, 5 m, 3 x 1,5 mm <sup>2</sup> , Trumpet shaped cable gland, Ex-plug 3 x 1,5 mm <sup>2</sup> 6h <sup>1)</sup>	<b>NOR 000 007 000 001</b>



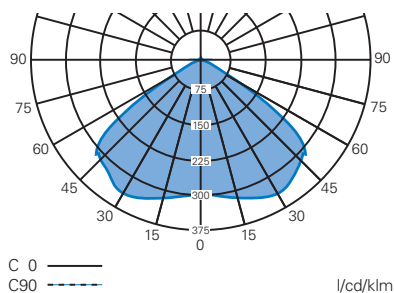
<sup>1)</sup> Scope of delivery, including LED-system, mains cord with plug and floor stand

## Technical data

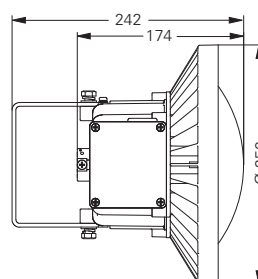
<b>LEL Portable 5L</b>	
Type Examination Certificate	EPT 16ATEX 2405
IECEX Certificate of conformity	IECEX CQM 15.0054X
Marking accd. 2014/34/EU	⊕ II 2 G Ex db e mb op is IIC T6 Gb ⊕ II 2 D Ex tb IIIC T80 °C Db IP 66
Marking accd. to IECEx	Ex db e mb op is IIC T6 Gb Ex tb IIIC T80 °C Db IP 66
Permissible ambient temperature	-40 °C up to +45 °C
Fixture lifetime	60,000 h at t <sub>a</sub> = +55 °C / 120,000 h at t <sub>a</sub> = +25 °C
Rated voltage	100 - 240 V AC / 108 - 250 V DC
Frequency	0/50 - 60 Hz
Power factor cos φ	≥ 0.9
Circuit	Electronic driver
Protection class	I
Lamp / illuminant	LED System 50 W
Rated luminous flux	5,000 lm
Light colour / CRI	5700 K / R <sub>a</sub> >70
Dimensions (L x W x H)	250 x 250 x 147 mm
Enclosure colour	grey
Enclosure material	Light alloy, powder coated
Weight	5 kg
Degree of protection accd. to EN 60529	IP66
Protective cover / protective bowl	Toughened glass
Floor stand	Stainless steel

## Dimension drawing / Polar curve

**Polar curve LEL Portable 5L**



**Dimension drawing LEL Portable 5L**





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Printed in Germany  
Publication No. BR 300 8000  
August 2016

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