

CEAG Products
Pendant light fittings

CROUSE-HINDS
SERIES



NLE - Your Reliable LED Power Light

Pendant Light Fittings for Ex-Areas Zone 2 and 21



EATON

Powering Business Worldwide

LED Low Bay Lighting For Harzardous Areas Zone 2/21

Zone 2/21

Lighting under harsh conditions

The industrial low bay lighting NLE in LED technique is especially suited for the specific lighting of machines, production areas or facilities indoor and outdoor under harsh and rough 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 up to 8,000 lm this fitting can be used to replace comparable conventional light sources with an equivalent power consumption up to 175 W.

High efficient LED technology

High efficient power LED module and more than 100 Lumen/Watt enables up to 66 % energy-cost savings compared to conventional HID lamp

Application areas

- Heavy Industry
- Chemical Industry
- Pharmaceutical Industry
- Marine Industry
- Waste water treatment

Energy savings

Model	Equivalent HID Luminaire	Energy savings
NLE		
NLE 3L	70 W - 100 W	Up to 58%
NLE 5L	100 W - 150 W	Up to 66%
NLE 7L	150 W - 175 W	Up to 60%
NLE 8L	150 W - 175 W	Up to 60%



Features

- High-efficient LED module
- Wide temperature range from -40 °C up to +55 °C
- Compact and light weight design for flexible applications
- Available in cold white CCT 5700 K and warm white 3000 K
- High efficient heatsink design for an optimised temperature management
- Impact, anti-shock and vibration resistant
- Mercury- and lead-free for optimal environment protection
- High degree of protection IP66 for harsh environments

Ordering details, Technical data, Polar curve, Dimension drawing

NLE pendant light fitting for Ex-areas Zone 2 and 21

Ordering details



Type	Lamp / illuminant	Light output	Description	Order No.
NLE industrial pendant light fitting				
NLE 3L	LED system 30 W ¹⁾	3.188lm	LED pendant light fitting with swivel bracket	CCL1507006A
NLE 5L	LED system 50 W ¹⁾	4.829 lm	LED pendant light fitting with swivel bracket	CCL1507138A
NLE 7L	LED system 70 W ¹⁾	7.322 lm	LED pendant light fitting with swivel bracket	CCL1606204A
NLE 8L	LED system 80 W ¹⁾	7.869 lm	LED pendant light fitting with swivel bracket	CCL1507402A

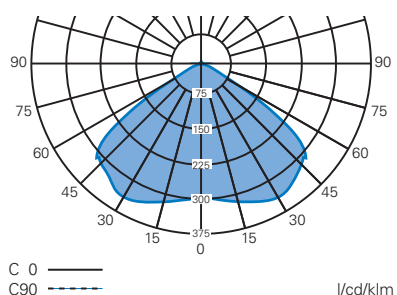
¹⁾ Scope of delivery, including LED-system and swivel bracket

Technical data

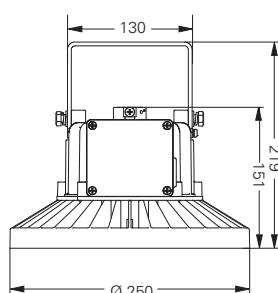
NLE	
EC-Type Examination Certificate	EPT 16 ATEX 2452X
IECEx Certificate of Conformity	IECEx CQM 16.0013X
Marking accd. to 2014/34/EU	Ⓢ II 3 G Ex nR IIC T5/T6 Gc Ⓢ II 2 D Ex tb IIIC T80.C/T100.C° Db
Marking accd. to IECEx	Ex nR IIC T5/T6 Gc Ex tb IIIC T80°C/100°C Db
Permissible ambient temperature	-40 °C up to +55 °C
Driver lifetime	C10 ~100,000 h at t _a = +25 °C
LED lifetime	L70 ~100,000 h at t _a = +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
Rated luminous flux	see ordering details
Light colour / CRI	5700 K / R _a >70 (warm white on request)
Dimensions (L x W x H)	250 x 250 x 147 mm
Enclosure colour	grey
Enclosure material	Light alloy, powder coated
Weight	5 kg
Cable glands / gland plates / enclosure drilling	Metal threat 2 x M25 with 1 x plastic plug (M20 on request)
Degree of protection accd. to EN 60529	IP66
Protective cover / protective bowl	Toughened clear glass (opaque glass on request)
Swivel bracket	Sheet steel, painted (stainless steel on request)

Dimension drawing / Polar curve

Polar curve NLE



Dimension drawing NLE





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Printed in Germany
Publication No. BR 300 8000
January 2018

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