

## CEAG ExLin NE+ Linear LED Luminaire – Key Specifiable Features



### Certification:

**Marking accd. to 2014/34/EC:**

Ex II 2 G Ex eb ib op is q IIC T4/T5 Gb

Ex II 2 D Ex op is tb IIIC 80°C...100°C Db

**Marking to IECEx:**

Ex eb ib op is q IIC T4/T5 Gb

Ex op is tb IIIC 80°C...100°C Db

**LED-Module:**

U certificate available for the LED module

**Control gear:**

U certificate available for the control gear

**Battery:**

U certificate available for the battery

### Mechanical:

**Permissible ambient temperature:**

-40 °C up to +45 °C, depending on version,  
specified data 0 up to 45°C

**Enclosure material:**

Glass-fibre reinforced polyester (GRP)

**Housing colour:**

Grey and black

**LED cover material:**

Glass or glass with laminated with splitter  
protection foil

**LED cover transparency:**

Clear or frosted

**Battery:**

LiFeP04 with with LED display and monitoring  
via microprocessor

**Cable glands:**

Ex-e cable glands M25 for cables from Ø 8 - 15  
mm, option: M20 metal thread for metallic cable  
glands or M25 metallic cable glands

**Terminals:**

Up to 6 mm<sup>2</sup>, easy wiring due to spacious  
terminal compartment

**Heatsink:**

The heat sink shall be located directly under the  
LED PCB, in order to ensure highest LED  
lifetime and efficiency

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<b>Design:</b>	Driver chamber shall be located separately to the LED module and battery
<b>Degree of protection accd. to EN 60529:</b>	IP66/67
<b>Dimensions (L x B x H):</b>	770 x 201 x 115 mm
<b>Weight:</b>	8,3 kg

### **Lighting performance:**

<b>Rated luminous flux of the luminaire:</b>	From 2700 lm up to 5300 lm
<b>Rated luminous flux of the luminaire in emergency mode:</b>	2000 lm (1,5h), 1000 lm (3h)
<b>Rated emergency operating time:</b>	1,5 h or 3 h, adjustable on site
<b>Luminaire efficiency:</b>	Up to 126 lm/W
<b>LED lifetime @25°C:</b>	L90: 100 kh
<b>LED lifetime @55°C:</b>	L85: 75 kh
<b>Colour rendering index:</b>	70, 80 on request
<b>Corelated colour temperature:</b>	5000K, 4000K on request
<b>Optic:</b>	Standard, narrow and wide beam available, version with stray light protection grid available
<b>Performance at high temperature:</b>	No active lumen reduction at high temperature
<b>Ex Protection:</b>	LED module have a U certification. LED string are accd. "i" protection

### **Electrical performance:**

<b>Rated voltage:</b>	110 up to 254V AC
<b>Driver lifetime @25°C:</b>	C5: 100,000h
<b>Driver lifetime @55°C:</b>	C10: 75,000h
<b>Power factor @230V:</b>	≥0.95
<b>THD:</b>	<8%
<b>Insulation class:</b>	I
<b>Inrush current:</b>	5 A for 1ms for lumen output <5000 lm

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**Surge:** The fitting shall have a surge protection of 4 kV line-to-line and line-to-ground based on EN61000-4-5

## **Installation & Maintenance:**

**Construction:** Independent replacement of LED module and control gear

**Mounting:** 2 x M8 metal thread at 400 mm distance  
Kit for installing at 700 mm distance as option

**Locking:** Screw located on the light emitting side of the fitting, for easy accessibility

**Terminal:** Terminal accessibility without opening the driver chamber

**Control gear chamber:** Cover without external hinges  
Cover can be fixed and opened on both sides of the fitting

**Maintenance:** LED-Module and control gear separately and battery independently accessible