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 proctection foil
LED cover transperency:	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 mm², 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

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

Lighting performance:

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

Electrical performance:

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

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 accessability
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 accessable