

Luminaires with higher degree of protection

LUMEX N7

Quickinfo

LUMINAIRE

Wall, ceiling, pipe, eyelet, Surface and suspended mounting. Fiberglass-reinforced polyester. Impact-resistant polycarbonate, grey, IP66/67, IK10



LED

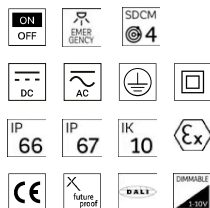
4,000K, CRI>80
Initial MacAdam 4-5SDCM
100,000h L80

LIGHT DISTRIBUTION



ELECTRIC

ON-OFF switchable+ EMERGENCY LIGHT via Battery.
Various versions covering both AC and DC operation and a wide voltage range



Description

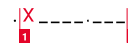
The LUMEX N7 is a robust explosion-proof LED luminaire designed for mining, tunneling, and hazardous industrial environments. Certified for Group I (M2) and Group II (Zones 1 & 2), it ensures maximum safety and reliability even under extreme conditions. Its impact-resistant housing with high protection ratings (IP66/67, IK10) is maintenance-free and easy to clean. Equipped with high-efficiency LEDs and wide 105° light distribution, the N7 delivers uniform, glare-free illumination with low energy consumption.

DALI, 1–10 V dimming, the address module, and insulation class II are available exclusively for Zone 2 versions. Optional emergency versions further expand its versatility, making it the ideal choice for modern safety-critical lighting systems.



Types

ARTICLE NUMBER	POWER	LUMINOUS FLUX	COLOUR TEMP.	WEIGHT
EPN7020.11424.600.ZX	20W	2681lm	3000K optional 4000K 5000K optional 6500K optional	5.0kg
EPN7028.X1424.600.ZX	28W	3696lm		5.0kg
EPN7037.11424.600.ZX	37W	4960lm		5.0kg
EPN7045.11424.600.ZX	45W	5726lm		5.0kg
EPN7040.11424.1200.ZX	40W	5280lm		8.5kg
EPN7048.X1424.1200.ZX	48W	6336lm		8.5kg
EPN7074.11424.1200.ZX	74W	9768lm		8.5kg
EPN7090.11424.1200.ZX	90W	11880lm		8.5kg



1 Control
1... ON-OFF switchable
2... emergency 3h

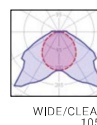
2 ZONE

- 1... II 2G Ex eb ib mb IIC T5 Gb
II 2G Ex db eb ib mb IIC T6/T5² Gb
II 2D Ex tb IIIC T80°C Db
- 2... II 3G Ex ec IIC T6/T5 Gc
II 2D Ex tb IIIC T80°C Db
- Y... IM2 Ex eb ib mb I Mb

Dimensions

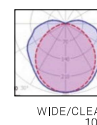
600 ⇔ 745x209x147mm
1200 ⇔ 1352x209x147mm

Light distribution



WIDE/CLEAR
105°

Light distribution



WIDE/CLEAR
105°

NOTE:

Emergency function for mining with a module certified 1M1 available on request

EXPLOSION PROTECTION



- I M2 Ex eb ib mb I Mb
- II 2G Ex db eb ib mb IIC T6/T5² Gb
- II 2D Ex db eb ib mb IIC T6/T5 Gb
Ex tb IIIC T80°C Db
- II 3G Ex ec IIC T6/T5 Gc

Applicable Zones: 1, 2, 21, 22
[²versions with battery (EM) temperature class T6, others T5]

Note: Class II Insulation, DALI and 1-10V available only for Zone 2