

EVNL

NEW TECHNOLOGY

- Zone 2, 21, 22
- Replaces traditional discharge lamps exceeding 400W
- Savings on energy costs, maintenance and installation
- Immediate high-intensity activation
- 5 years warranty



Ex casing and terminal holder for quick connection



LED multi plate



Cooling fins for high levels of heat dissipation



EVNL series, High Bay LED lighting fixtures for zone 2, 21, 22

EVNL series LED lighting fixtures are suitable for plants in zone 2 and zone 21,22. The advantage of the EVNL lighting fixtures is the implementation of the "Ex nR" method of protection which classifies the equipment as a restricted breathing device. The careful design together with the meticulous choice of materials to seal the lighting fixture limits the entry of flammable gases, vapours or mists during normal operation of the lighting fixture.

The body, made of aluminium alloy, is equipped with fins that act as a heat sink allowing a fast and effective dispersion of heat generated by the normal operation of the LED plate. Furthermore, the geometric structure of the cooling fins has been designed to minimise the deposits of combustible dust and allow air or water present in the surrounding area to exert a cleaning action on the fixture, an entry point with an opposing plug allows the in/out connection for connecting multiple lighting bodies onto one single power line.

Sectors for use:



CERTIFICATION DATA

Classification:	Group II	Group 2D/3G		
Installation: EN 60079.14	zone 2 (Gas)	zone 21, 22 (Dust)		
Execution:	CE 0722 Ex II 2D Ex tb IIIC T... °C Db IP 66			zone 21,22
Certificate:	CE Ex II 3G Ex nR IIC T... °C Gc			zone 2
	ATEX	EPTI 20 ATEX 0389X	zone 21,22	
	ATEX	EPT 20 ATEX 4087X	zone 2	
	IEC Ex	IECEX EUT 20.0025X	For all IEC Ex certification data, download the certificate from www.cortemgroup.com	
	TR CU	DISPONIBLE		
Standard:	CENELEC EN 60079-0: 2018, EN 60079-15: 2010, EN 60079-31: 2014 and EUROPEAN DIRECTIVE 2014/34/UE IEC 60079-0: 2017, IEC 60079-15: 2010, IEC 60079-31: 2013 European Directive 2004/108 Electromagnetic compatibility European Directive 2012/19/UE, 2002/96/CE, 2003/108/CE WEEE European Directive 2011/65/UE RoHS			
Temperature class:	-60°C* +60°C			
	*-40°C for lighting fixtures with transparent cover in polycarbonate For details regarding the temperatures, see "Selection table"			
Protection rating:	IP66			

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ORIGINAL PRODUCT

MECHANICAL CHARACTERISTICS

Body:	Aluminium alloy with low copper content. With cooling fins for high levels of heat dissipation.
Transparent front cover:	High temperature and shock resistant tempered glass or polycarbonate
Gasket:	Acid, hydrocarbon and high temperature resistant
Fastening bracket:	Stainless steel
Screws:	Stainless steel
Entry points:	2 ISO M20 entry points fixture complete with a PLG11LXE7 plug and NAV20SIB cable gland
Coating:	Polyester RAL 7035 (Light grey)
Corrosion Resistance:	The STANDARD of the aluminium alloy used by Cortem has passed the tests required by the Standard EN60068-2-30 (hot-humid cycles) and EN60068-2-11 (salt fog test)

EXPLODED VIEW OF LIGHTING FIXTURE EVNL-100...

