Vyrtych LORD-Ex1/21 Linear luminaire Zone 1-21 IP67



For ATEX Zone 1-21
Certification: LORD-EX1/21 - ATEX - (**FTZÚ 25 ATEX 0070X)** Ex II 2G Ex eb mb IIC T4 Gb and Ex II 2D Ex tb IIIC T85°C Db.
Certification: LORD-EX1/21 - IECEx - **(IECEx FTZÚ 25.0023X)** Ex eb mb IIC T4 Gb and Ex tb IIIC T85°C Db.
Application: High water and dust resistance. Robust luminaire designed for lighting of areas with danger of explosion. Also resistant against chemicals or oils.
The innovative smooth design reduces the deposition of dust and water on the surface of the luminaire and the clever design allows for efficient heat dissipation guaranteeing a long lifetime of the luminaire. **Available in lumen output up to 11.880 lumen.**
The ELOX Coating guaranteeing extremely high resistance C4 High to salty environments as in **maritime conditions**.
Ballast: Electronic 220–254 Vac, 50/60 Hz, 220–250 Vdc, 0 Hz DC.
Light source: LED, 4000K or 5000K, CRI +80.
Equipped with certified components - the encapsulated LED module and driver guarantee a high efficiency.
Housing: Highly durable extruded aluminium profile with low copper content and ELOX Coating with corrosion resistance for marine environments C4-H.
Diffuser: Type GC - clear safety glass, GF - Opal version, GM - Microprismatic version Protection: IP66/IP67 and IK07.
Suitabel for ambient temperatures -40°C to +60°C, depend on type. Emergency version 0°C to +35°C up to +50°C depend on type.
Fastening: Innovative brackets that allow a wide flexible mounting distance. A wide range of brackets and hangers allows the luminaire to be mounted on the ceiling, wall or suspended. The luminaire can be mounted on a pole using a boom.
Connection: Screwless three-pole terminal block, maximum diameter of wires 4.0 mm².
Standard equipment: 2x Ex cable gland M20, 3x Ex cable plug M20 and 2x mounting pen.
Calculated lifetime – LED module and driver (both encapsulated: up to 65.000h.
The lighting fixture meets photobiological safety according to the standard CSN EN 62471:2009.
Suitable for persons with high sensitivity to UV radiation and blue spectrum part.
Mark indicating compliance with the relevant regulations for electromagnetic compability (EMC).
Tolerance of luminous flux and power input of the lighting fixture +/- 10%.
Options: DALI2, 3h emergency version, EM with autotest, EM with DALI, single- (1F) or 3 phase (3F) through wiring connection, color temperatures 4000, 5000K or 6.500K. **Manufacturers warranty, 5 years.**

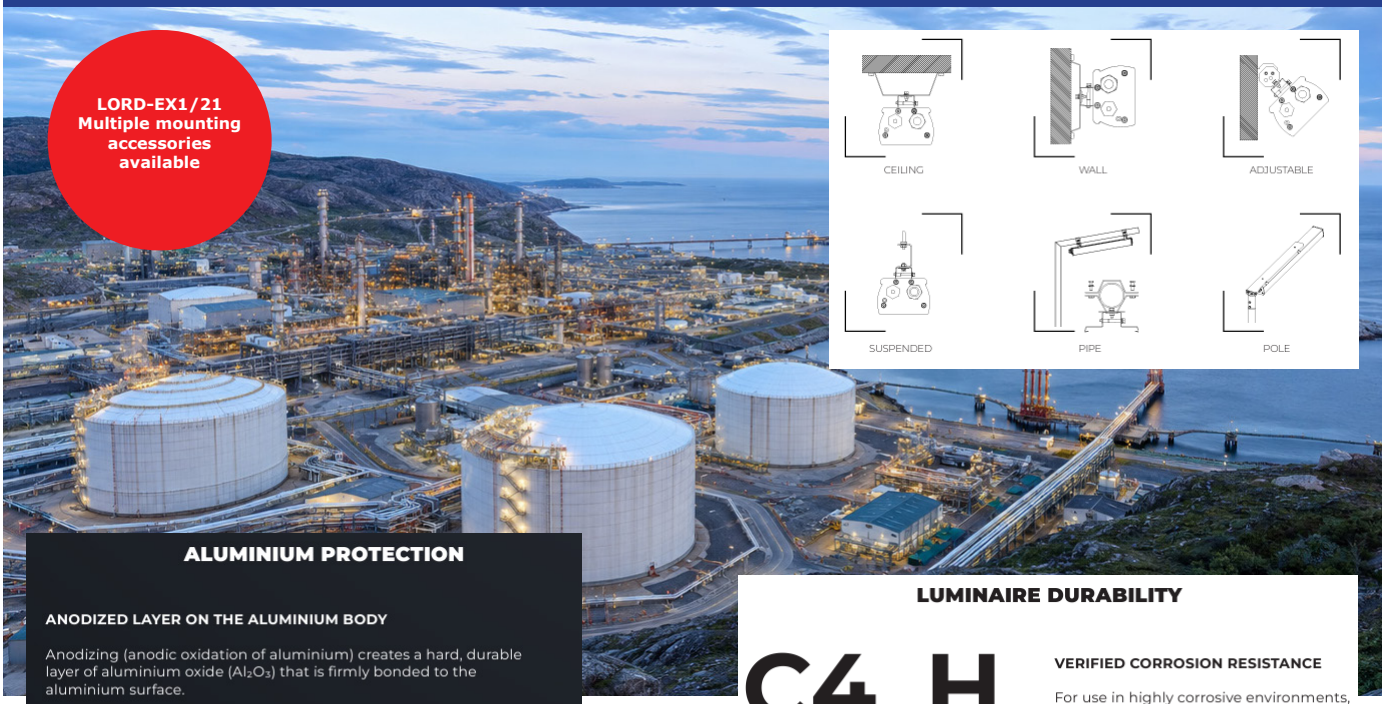
Article numbers LORD Clear Safety Glass with Opal Film:

Many other configurations on request available

Article No.	Description	Wattage	Lumen output	LxWxH mm	Ta (°C)	Light Colour	Lightbeam	Type
83VT72174	LORD-EX1/21-I-LO6-850-2200-OND-08-GF L90B50@25°C 110.000 hours L80B50@max°C 92.000 hours	14,2	1.700	648x117x78	-40°C /+60°C	5.000K	WB >80°	On/Off
83VT72175	LORD-EX1/21-I-LO6-850-2750-OND-08-GF L90B50@25°C 110.000 hours L80B50@max°C 79.000 hours	17,8	2.070	648x117x78	-40°C /+60°C	5.000K	WB >80°	On/Off
83VT72176	LORD-EX1/21-I-LO6-850-4000-OND-08-GF L90B50@25°C 110.000 hours L80B50@max°C 77.000 hours	26,3	2.840	648x117x78	-40°C /+60°C	5.000K	WB >80°	On/Off
83VT72177	LORD-EX1/21-I-L12-850-4000-OND-08-GF L90B50@25°C 110.000 hours L80B50@max°C 92.000 hours	28,4	3.410	1208x117x78	-40°C /+60°C	5.000K	WB >80°	On/Off
83VT72178	LORD-EX1/21-I-L12-850-5500-OND-08-GF L90B50@25°C 110.000 hours L80B50@max°C 83.000 hours	35,5	4.150	1208x117x78	-40°C /+60°C	5.000K	WB >80°	On/Off
83VT72179	LORD-EX1/21-I-L12-850-8000-OND-08-GF L90B50@25°C 110.000 hours L80B50@max°C 78.000 hours	52,6	5.680	1208x117x78	-40°C /+60°C	5.000K	WB >80°	On/Off
83VT72180	LORD-EX1/21-I-L12-850-115000-OND-08-GF L90B50@25°C 110.000 hours L80B50@max°C 60.000 hours	78,1	8.360	1208x117x78	-40°C /+50°C	5.000K	WB >80°	On/Off



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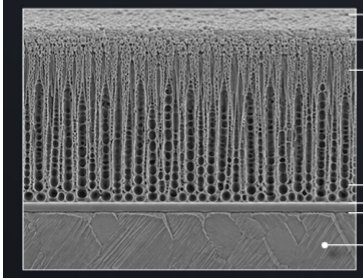


LORD-EX1/21 Multiple mounting accessories available

ALUMINIUM PROTECTION

ANODIZED LAYER ON THE ALUMINIUM BODY

Anodizing (anodic oxidation of aluminium) creates a hard, durable layer of aluminium oxide (Al_2O_3) that is firmly bonded to the aluminium surface.



Sealing
Closes the pores, increasing durability and service life

Porous layer
Anodic aluminium oxide layer – 25 µm

Barrier Layer
Compact Al_2O_3 layer

Aluminium
Base Material

PROPERTIES OF THE ANODIZED LAYER

- High corrosion resistance
- Hard, scratch-resistant surface
- Thermally stable
- UV resistant
- Easy to clean
- Environmentally friendly process

LORD-EX1/21 High Corrosion Protection

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LUMINAIRE DURABILITY

C4
Corrosivity
HIGH

H
Durability of the protective system
15-25 years

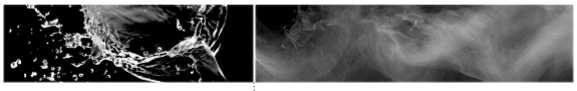
VERIFIED CORROSION RESISTANCE

For use in highly corrosive environments, the luminaire has been tested in accordance with ČSN EN ISO 12944-6 and classified as corrosivity category C4 (High) in accordance with ČSN EN ISO 12944-2.

The protective system achieves durability class H (High), with a declared durability range of 15–25 years.



1 200 h
TOTAL TEST DURATION

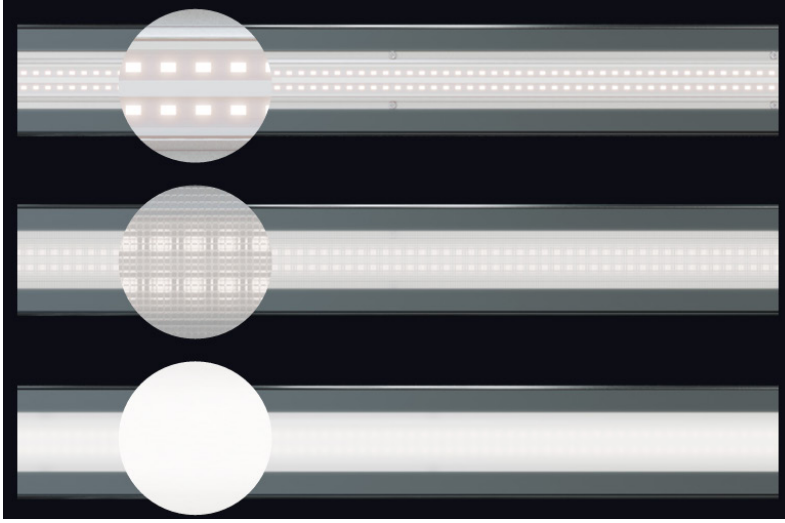


480 h - WATER CONDENSATION
ISO 2812-2

720 h - NEUTRAL SALT SPRAY (NSS)
ISO 9227

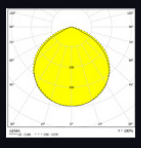
Our standard optical system we offer is the opal version. This offers the most uniform light distribution with the lowest glare.

OPTICAL SYSTEM OPTIONS



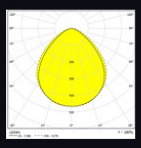
CLEAR SAFETY GLASS – GC

Provides maximum light output and the highest luminaire efficiency. The wide light distribution is ideal for technical and industrial applications where powerful and efficient illumination is a priority.



MICROPRISMATIC VERSION – GM

Optimises glare control and light distribution while maintaining high efficiency. The more precise light distribution is ideal for work and process areas with higher requirements for lighting quality and visual comfort.



OPAL VERSION – GF

Provides softer, more uniform light distribution with reduced glare. Ideal for applications requiring enhanced visual comfort and a more pleasant lighting environment.

