VYRTYCH



EXTRA-EX2/21

EXPLOSION PROOF LINEAR LUMINAIRE FOR HAZARDOUS AREAS



Robust linear luminaire for reliable lighting in IECEx and ATEX Zone 2/21.

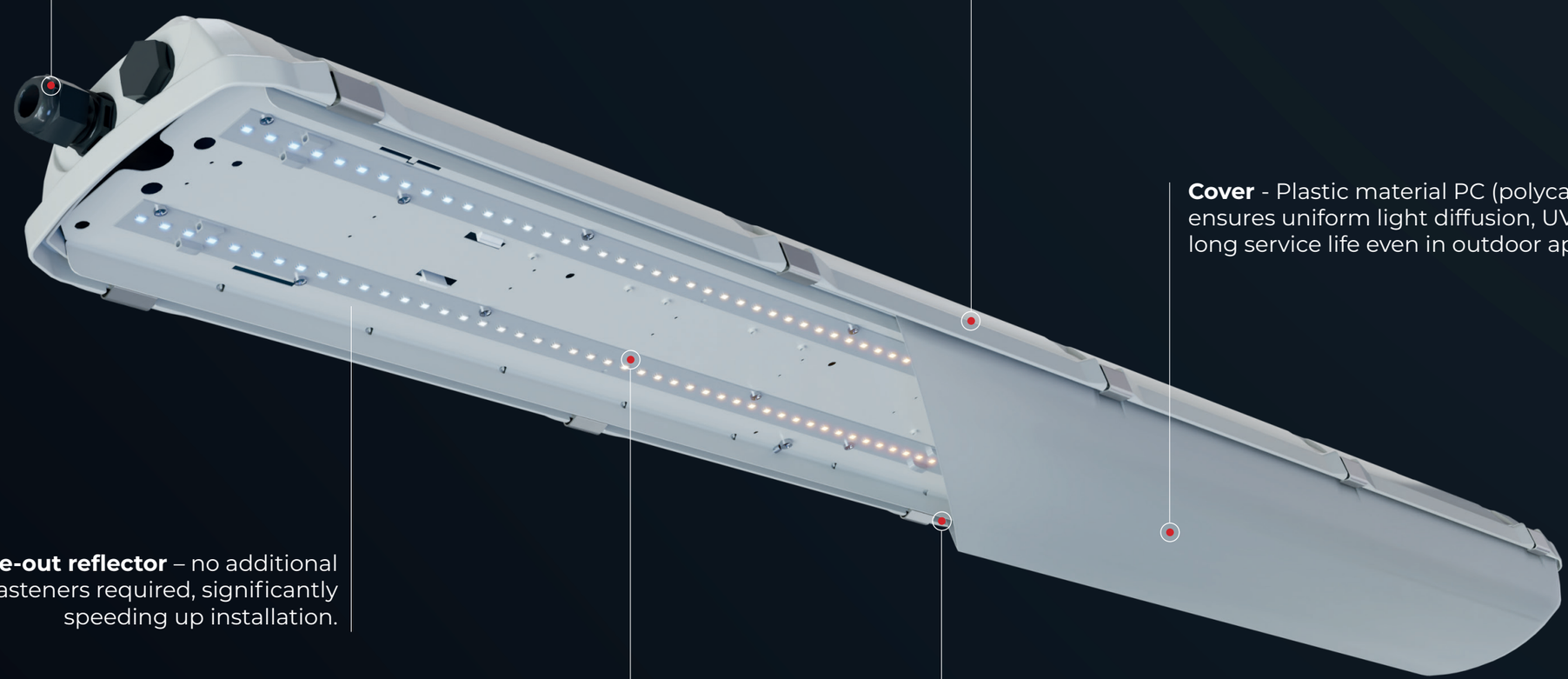
EXTRA-EX2/21 is the new generation of VYRTYCH linear luminaires, engineered for demanding industrial operations in hazardous areas classified as Zone 2/21. Thanks to its rugged design, high efficiency, low maintenance requirements, and wide ambient temperature range, it delivers reliable illumination wherever safety and long-term stability are critical.

The luminaire features a high-performance LED module housed in a robust polycarbonate body with an opal diffuser for uniform light distribution and reduced glare. With IP66/IP67 ingress protection, IK10 impact resistance, and excellent UV and chemical resistance, it is ideal for the harshest industrial environments.

Cable glands - Standard configuration for plastic or metal cable glands 3xM20. On request also available in size M25.

Housing - Plastic material PC (polycarbonate), color grey RAL 7035 – mechanically resistant with IK10 rating and suitable for demanding environments.

Cover - Plastic material PC (polycarbonate), opal, ensures uniform light diffusion, UV stability, and long service life even in outdoor applications.



Slide-out reflector – no additional fasteners required, significantly speeding up installation.

LED module - LED module with long lifetime, 4000K, CRI +80, MacAdam 3. Also available on request in 5000/6500K versions.

Silicone gasket - Resistant to chemicals, oils, high temperatures, and aging, ensuring long-term sealing even under demanding conditions (IP66/IP67).

Luminaire details here.



Reliable operation and efficient installation.

KEY BENEFITS

The EXTRA-EX1/21 luminaire can **reduce energy consumption by up to 60%** compared with fluorescent luminaires while maintaining the required lighting levels. This results in lower operating costs and greater efficiency over the long term.

The luminaire is an ideal **replacement for existing fluorescent fixtures in 2×18 W, 2×36 W, and 2×58 W** versions. It is available in three lengths that directly correspond to these variants, providing a flexible solution for a wide range of installations and applications.

Long-term luminous flux stability and extended **LED service lifetime 110 000 h**.

Prepared for loop-through wiring (**LOOP-IN / LOOP-OUT**).
Enables daisy-chaining in linear lighting
Easy daisy-chaining of luminaires in linear runs and along cable routes. Faster installation, less wiring, and fewer product variants to stock.

PARAMETERS

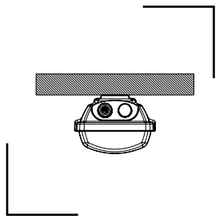
IECEx ATEX RoHS CE

VERSION	L06 2FT	L12 4FT	L15 5FT
Dimensions	670 x 155 x 110 mm	1280 x 155 x 110 mm	1580 x 155 x 110 mm
Luminous flux	1382, 2249, 4478 lm	2765, 3339, 4159, 5947, 8280 lm	3267, 4147, 6239, 7666, 10230, 13797, 16446 lm
Colour temperature		4000 (5000/6500K on request)	
Housing material		PC - polycarbonate	
Cover material		PC - polycarbonate, opal	
ATEX zone		2/21	
ATEX zone - dust		II 3G Ex nR IIC T6 Gc	
ATEX zone - gas		II 2D Ex tb IIIC T85°C Db	
IECEx zone - dust		Ex nR IIC T6 Gc	
IECEx zone - gas		Ex tb IIIC T85°C Db	
IP classification		IP66/IP67	
IK classification		IK10	
Operating temperature	-30°C≤ta≤50°C	-30°C≤ta≤60°C	-30°C≤ta≤60°C
Control method		ON/OFF, DALI-2, Maintained emergency lighting – 3 h, AUTOTEST	

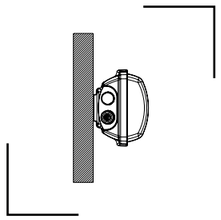
More variants available here.

Superior performance and durability for the most demanding applications.

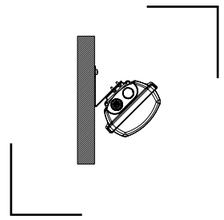
INSTALLATION



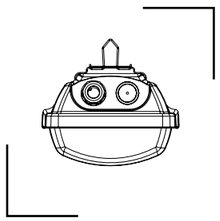
CEILING



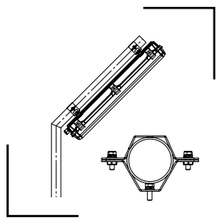
WALL



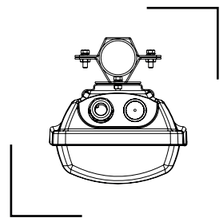
ANGLED - 45°



WIRE SUSPENDED



POLE



PIPE

Installation instructions here

Easy, flexible installation for any space.

The new generation EXTRA-EX2/21 is available in three lengths to suit different project requirements. Thanks to high-quality materials, it is also suitable for outdoor use and the most demanding installations.





APPLICATION AREAS

EXTRA-EX2/21 is a luminaire for demanding industrial applications requiring continuous, stable illumination across a wide ambient temperature range and under frequent switching.

It is designed for indoor and outdoor installations in areas where flammable gases and vapours may occur infrequently and for short periods (ATEX Zone 2), and where combustible dust, fibres, and airborne particles may be present (ATEX Zone 21).

Thanks to its resistance to corrosion, water, dust, and extreme temperatures, it is also suitable for wet and wash-down areas, including marine applications.

Typical uses include heavy industry; chemical, petrochemical, and pharmaceutical facilities; process platforms; loading bays; and tunnels.

An innovative and safe solution, not just for refineries.

Factory

Oil & gas

Petrochemical

Refinery

Energy



VYRTYCH

We are a Czech manufacturer of industrial lighting with over 35 years of experience. We specialize in a broad portfolio of industrial and specialty luminaires designed for a wide range of sectors, including oil & gas, chemical and pharmaceutical industries, healthcare, manufacturing, and more.

We manufacture luminaires for hazardous areas, extreme temperatures, cleanrooms, anti-vandal applications, and industrial environments. All our products are distinguished by superior technical performance. Our claim Safety and Innovation reflects our commitment to safety and the continuous improvement of our luminaires.

We focus on the production of specialized luminaires designed for demanding industrial sectors and applications, such as oil & gas, chemical and pharmaceutical industries, energy, transportation, healthcare, manufacturing, public sector, food processing, and the automotive industry.

Company video here

www.vyrtych.cz