



Luminaires for Explosive Atmospheres

Czech manufacturer of lighting fixtures
With more than a century of tradition

since 1906



LUMINAIRES FOR EXPLOSIVE ATMOSPHERES

These EX luminaires combine robust construction, high durability, and ATEX certification, ensuring reliable lighting even in the most demanding industrial environments with explosion hazards.



ATEX Certification
Guaranteed compliance with European standards for equipment in explosive environments.



Robust Construction
High-quality materials, sealing, and protection against ingress of gases, vapours, and dust.



Reliable Operation
Designed for continuous use and long service life without the need for frequent maintenance.



Energy Savings
Efficient LED technology with long service life. Fewer replacements, lower maintenance costs, and higher operational reliability.

APPLICATIONS OF LUMINAIRES

CHEMICAL PLANTS



REFINERIES



GAS PLANTS



INCINERATION PLANTS



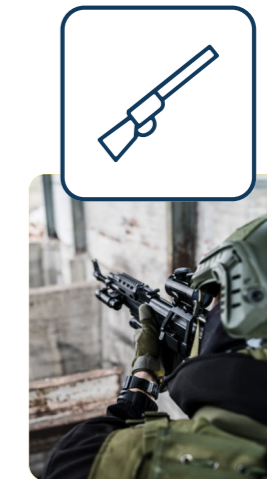
ALUMINIUM PLANTS



NUCLEAR POWER PLANTS



DEFENSE INDUSTRY



ZONE 1, 21

The luminaires are guaranteed safe for environments with explosion risks from gases, vapours, and dust (petrochemical plants, refineries, fuel stations, paint shops, etc.).

ZONE 2, 22

For areas with explosive dust (food industry, woodworking, agriculture). Robust, anti-static construction prevents dust ingress and ensures reliable operation.

ORION LED

Zone 1/21; 2/22



- II 2G Ex db eb op is IIC T5/T6 Gb
- II 2D Ex tb op is IIIC T80°C/90°C Db

- 30W - 50W; 4365 - 7100lm
- -40°C ÷ +50°C
- IP66, IK10
- Lifetime: 100,000h L₉₀B₁₀
- Applications: chemical plants, refineries, gas plants, power plants



SIRIUS LED

Zone 1/21; 2/22



- II 2G Ex db eb op is IIC T5/T6 Gb
- II 2D Ex tb op is IIIC T80°/87°/90° Db

- 65W - 100W, 9750lm - 15025lm
- -40°C ÷ +50°C / +55°C / +60°C
- IP66, IK10
- Lifetime: 100,000h L₉₀B₁₀
- Applications: chemical plants, refineries, gas plants, power plants



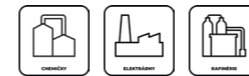
TRILUX LED

Zone 2/22



- II 3G Ex nR IIC T6 Gc
- II 3D Ex tc IIIC T80°Dc

- 20W - 50W, 3020lm - 6980lm
- -40°C ÷ +50°C
- IP66, IK08
- Lifetime: 100,000h L₉₀B₁₀
- Applications: chemical plants, refineries, gas plants, power plants



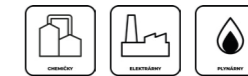
LINEX PLA LED

Zone 2/22



- II 3G Ex ec IIC T6 Gc
- II 3D Ex tc IIIC T80°C Dc

- 15W - 70W, 2482lm - 10554
- -35°C ÷ +50°C / +55°C
- IP66 IK08
- Lifetime: 120,000h L₈₀B₂₀
- Applications: chemical plants, refineries, gas plants, power plants, chemical storage facilities



ERIS LED

Zone 2/22



- II 3G Ex nR IIC T6. T5 Gc
- II 3D Ex tc IIIC T80°C..T95C Dc

- 30W - 50W; 4365 - 7100lm
- -40°C ÷ +70°C
- IP66, IK10
- Lifetime: 100,000h L₉₀B₁₀
- Applications: chemical plants, refineries, gas plants, power plants



BILUX LED

Zone 2/22



- II 3G Ex nR IIC T6 Gc
- II 3D Ex tc IIIC T80° Dc

- 12W - 30W, 1446lm - 4039lm
- -40°C ÷ +50°C
- AC, DC
- IP66, IK08
- Lifetime: 100,000h L₉₀B₁₀
- Applications: chemical plants, refineries, gas plants, power plants



MULTISAFE LED

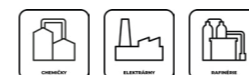
Zone 2/22

EMERGENCY VERSION



- II 3G Ex nR IIC T6 Gc
- II 3D Ex Ex tc IIIC T80°C Dc

- 8W - 470lm
- Autonomnost 3h
- +5°C ÷ +40°C
- IP66, IK08
- Lifetime: 100,000h L₉₀B₁₀
- Applications: chemical plants, refineries, gas plants, power plants



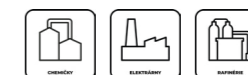
POLARIS I LED

Zone 2/22



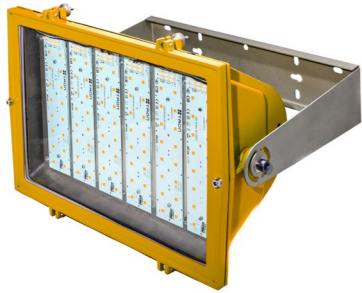
- II 3G Ex nR IIC T5/T6 Gc
- II 3D Ex tc IIIC T80°/T95°C Dc

- 50W - 125W, 7250lm - 17500lm
- -40°C ÷ +45°C / +60°C / +75°C
- IP66 IK08
- Lifetime: 100,000h L₉₀B₁₀
- Applications: chemical plants, refineries, gas plants, power plants

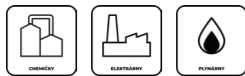


POLARIS II LED

Zone 2/22



- II 3G Ex nR IIC T6/T4/T5 Gc
- II 3D Ex tc IIIC T80°C/T95°C/T105°C Dc
- 150W - 250W, 22500lm - 32850lm
- -45°C ÷ +45°C / +55°C / +65°C
- IP66 IK08
- Lifetime: 100,000h L₉₀B₁₀
- Applications: chemical plants, refineries, gas plants, power plants



ES EXF400LED

Zone 1/21; 2/22



- II 2G Ex eb mb op is IIC T5 Gb
- II 2D Ex tb op is IIIC T85°C Db
- 16,4W - 80,2W, 2022lm - 10675lm
- -40°C ÷ +50°C
- Lifetime: >70,000h L₈₀B₁₀
- IP66, IK10
- Applications: refineries, chemical plants, chemical storage facilities

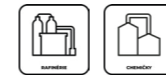


ES EXF390LED

Zone 22; 2/22



- II 2G Ex eb mb op is IIC T5 Gb
- II 2D Ex tb op is IIIC T70°C Db
- 15,6W - 48W, 1957lm - 5230lm
- -40°C ÷ +55°C
- Lifetime: >70,000h L₈₀B₁₀
- IP65, IK10
- Applications: paint shops, refineries, chemical plants, chemical storage facilities



INSTALLATION EQUIPMENT (Ex)

ES SKX SW

Zone 1; 2



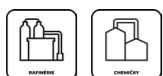
- II 2G Ex db eb IIC T6 Gb
- II 2D Ex tb IIIC T80°C
- 20°C ≤ Ta ≤ +40/ +50°C
- IP66, IK10

ES EXF450LED

Zone 1/21; 2/22



- II 2G Ex eb mb IIC T4 /T5 Gb
- II 2D Ex tb IIIC T85 °C...115°C Db
- 103W - 207W, 12500lm - 25000lm
- -40°C ÷ +45°C / +50°C / +55°C / +60°C
- Emergency version
- Lifetime: >50,000h L₉₀B₂₀, >70,000h L₈₀B₁₀
- IP66, IP67, IK09
- Applications: refineries, chemical storage, chemical plants, oil platforms



ES EXF300LED

Zone 1/21; 2/22



- II 2G Ex eb mb IIC T5 Gb
- II 2D Ex tb IIIC T55°C/T70°C Db
- 19,8W - 74,5W, 2806lm - 10837lm
- -40°C ÷ +45°C / +55°C / +60°C
- Lifetime: >100,000h L₈₀B₅₀
- IP66, IP67, IK10
- Emergency version A3
- Applications: refineries, oil platforms, chemical plants, chemical storage facilities



INSTALLATION EQUIPMENT (Ex)

ES JBX 04

Zone 1/21; 2/22



- II 2G Ex db IIC T6 Gb
- II 2D Ex tb IIIC T80°C Db
- -40°C ≤ Ta ≤ +50°C
- IP66, IK08

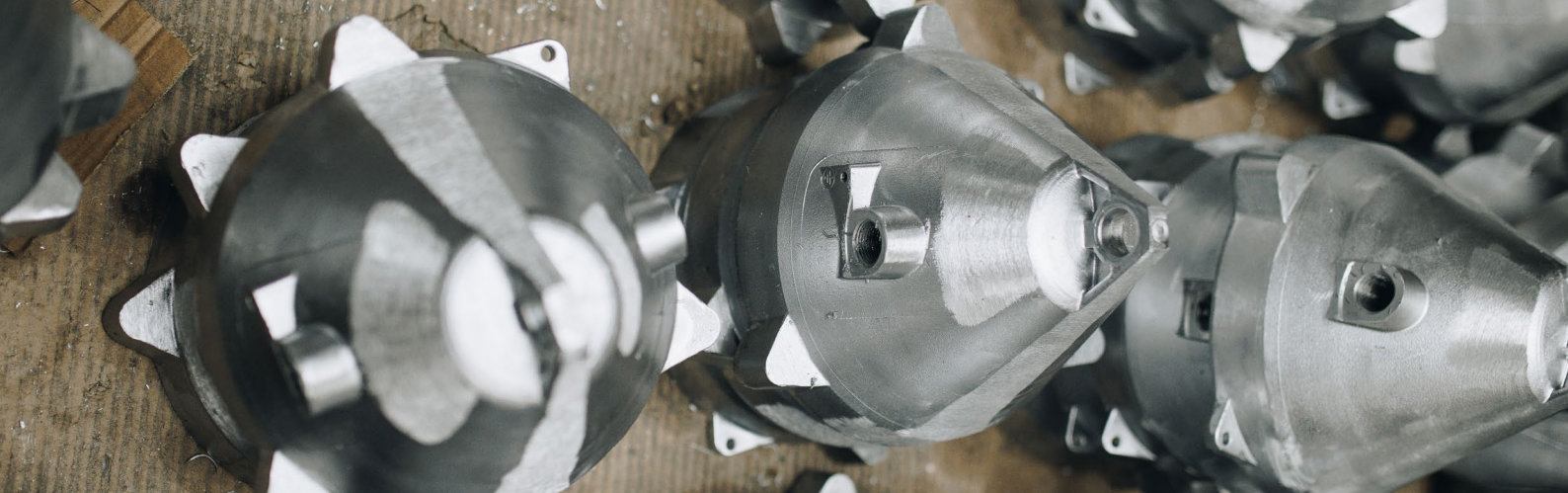
INSTALLATION EQUIPMENT (Ex)

ES RK 01

Zone 1/21; 2/22



- II 2G Ex eb IIC T6 Gb
- II 2D Ex tb IIIC T80°C Db
- -20°C ≤ Ta ≤ +40°C (20A)
- -20°C ≤ Ta ≤ +50°C (16A)
- IP66, IK08



ELEKTROSVIT Svatobořice, a.s. is a traditional Czech manufacturer of lighting fixtures with a history dating back to 1906. The company produces outdoor, industrial, interior and special luminaires, including explosion-proof (Ex) luminaires for demanding environments. Its portfolio also includes lighting poles, brackets, light sources and custom-made solutions.

The company is certified according to ISO 9001:2016, complies with ČSN EN and ATEX standards, and its products are certified for export to the Customs Union countries (EAC). ELEKTROSVIT operates primarily on the Czech and Slovak markets and exports to Europe and the Middle East.

ELEKTROSVIT presents its products at trade fairs and professional seminars and provides free lighting consultancy and design services.

More at www.elektrosvit.cz

ELEKTROSVIT Svatobořice, a. s.

Nádražní 1290/44 696 04
Svatobořice-Mistřín

The company is registered in the Commercial Register of the Regional Court in Brno, Section B, File 1102

Company ID: 49437313
VAT ID: CZ49437313