LED LINEAR LUMINAIRES
EXLUX 6002/6402
The ‘hero’ of general lighting for Gas Group IIC
THE ‘HERO’ OF GENERAL LIGHTING FOR GAS GROUP IIC

In its EXLUX 6002 and 6402 series, R. STAHL combines advanced LED technology with proven enclosure design. The EXLUX 6002 series, in particular, is ideal for energy-efficient general lighting in hazardous Zone 1 areas with all types of gases and vapours – also in the vicinity of highly flammable Gas Group IIC substances.

These luminaires combine all the benefits of economical and safe lighting: in terms of lighting, a 52 W LED luminaire can replace a conventional light fitting with two 36 W fluorescent lamps. However, with up to 100,000 operating hours, the LED luminaire offers an appreciably longer service life. The products are distinguished by a very rugged design, degree of protection IP66/IP67, and can be implemented in an extended temperature range of –30 °C to +60 °C. Thanks to a high luminous flux of up to 5,800 lm, you obtain outstanding light efficacy of well over 100 lm/W. The high colour rendering index CRI ≥ 80 and colour temperature of 5,000 K ensure standard-compliant lighting in accordance with the workplace guideline.

The result: lighting with greatly reduced maintenance needs and excellent energy efficiency.

The EXLUX 6002 and 6402 models are perfect for use in refineries, chemical plants, drilling platforms and other hazardous indoor and outdoor areas. They can be used as ceiling and pendant or pole-mounted light fittings.

Get in touch with us, so we can find the optimum solution for your application.

* Colour rendering value CRI ≥ 80 equal to that of fluorescent lamps and thus compliant with the requirements of EN 12464-1 and the workplace guideline

**EXPLOSION PROTECTION**
- EXLUX 6002 IIC
- Global (IECEx)
- Gas and dust
- IECEx IBE 14.0035
- Ex db eb op is IIC T* Gb (for Version IIC)
- Ex tb op is IIIC T* °C Db

**Europe (ATEX)**
- Gas and dust
- IBExU 14ATEX1088
- II 2 G Ex db eb op is IIC T* Gb
- II 2 D Ex tb op is IIIC T* °C Db

**Degree of protection**
- IP 66/IP 67 (IEC 60598)
- IK rating IK 10 (IEC 62262)

* For temperature classes and surface temperatures see data sheet at r-stahl.de
### EXLUX 6002

**Product:** EXLUX 6002  
**Gas group:** IIB Gas Group IIC  
**Diffuser:** with diffuser  
**Power consumption:** 28 W 700  
**Length:** mm  
**Cable entry:** 3 x M25 plastic**  
**Article no.:** 251309  
**WebCode:** 6002B  

**Product:** EXLUX 6002  
**Gas group:** nA (non-sparking)  
**Diffuser:** with diffuser  
**Power consumption:** 52 W 1310  
**Length:** mm  
**Cable entry:** 3 x M20 metal***  
**Article no.:** 251312  
**WebCode:** 6002C

### EXLUX 6402/2

**Product:** EXLUX 6402/2  
**Gas group:** IIB Gas Group IIC  
**Diffuser:** with diffuser  
**Power consumption:** 28 W 700  
**Length:** mm  
**Cable entry:** 3 x M25 plastic**  
**Article no.:** 244216  
**WebCode:** 6002B  

**Product:** EXLUX 6402/2  
**Gas group:** nA (non-sparking)  
**Diffuser:** with diffuser  
**Power consumption:** 52 W 1310  
**Length:** mm  
**Cable entry:** 3 x M20 metal***  
**Article no.:** 244219

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**Improved central lock for degree of protection IP66/67**  
**5-pole through wiring included as standard**  
**Removable diffuser reduces glare**  

1) We omitted the diffuser in the picture to better illustrate the explosion protection concept.

**Product** | **Zone** | **Power consumption** | **Length** | **Cable entry** | **Article no.** | **WebCode**
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EXLUX 6002 | 1 2 21 22 | 28 W 700 | 3 x M25 plastic** | 251309 | 6002B

**Product** | **Power consumption** | **Length** | **Cable entry** | **Article no.** | **WebCode**
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EXLUX 6402/2 | 28 W 700 | 3 x M25 plastic** | 244216 | 6002B

**Product** | **Power consumption** | **Length** | **Cable entry** | **Article no.** | **WebCode**
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EXLUX 6402/2 | 52 W 1310 | 3 x M20 metal*** | 244219 | 6002B

**Note:**  
**M25 plastic, cable gland (included)**  
**M20 prepared for M20 metal, please order screwed fitting separately**  

Please order mounting material separately. See details overleaf.
ACCESSORIES FOR LED LINEAR LUMINAIRES EXLUX 6002 AND 6402

Mounting rail for variable mounting distance, also with mounting clamp, pipe clamps and ceiling and wall-mounting bracket available.

Ring bolt M8, can be mounted directly into insert nuts.

Please note:
The linear luminaires are delivered without mounting material. Please order separately as required. Please refer to the data sheet for this and other mounting material.

FURTHER LED LUMINAIRES

LED TUBULAR LIGHT FITTING 6036

IECEx
Zone 1 – Ex d op is IIC T6/T4 Gb
Zone 21 – Ex tb IIIC T80 °C/ T100 °C Db
Mining – Ex d op is I Mb

ATEX
Zone 1 – II 2Gd Ex op is IIC T6/T4 Gb
Zone 21 – II 2D Ex tb IIIC T80 °C/ T100 °C Db
Mining – I M2 Ex d op is I Mb

WebCode 6036A

LED PORTABLE LAMP 6148

IECEx
Zone 1 – Ex ib IIC T4 Gb
Zone 21 – Ex tb IIIC T75 °C Db

ATEX
Zone 1 – II 2 G Ex ib IIC T4 Gb
Zone 21 – II 2 D Ex tb IIIC T75 °C Db

WebCode 6148A

LED FLOODLIGHT 6525

IECEx
Zone 2 – Ex nR op is IIC T6...T5 Gc
Zone 21 – Ex tb IIIC T80 °C...T95 °C Db

ATEX
Zone 2 – II 3 G Ex nR op is IIC T6...T5 Gc
Zone 21 – II 2D Ex tb IIIC T80 °C...T95 °C Db

WebCode 6525A