



THE STRONGEST LINK.

**STAHL**

## 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.

Temperature range up to **+60 °C**

Service life up to **100,000 h**

Rugged **IK10** (IEC 62262)

Energy-efficient **100 lm/W**

Low-maintenance



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



28 W LED replaces a 2 x 18 W linear luminaire  
52 W LED replaces a 2 x 36 W linear luminaire

## 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



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

Product	Zone				Power consumption	Length mm	Cable entry	Article no.	
	1	2	21	22				Gas group IIB	Gas Group IIC
<b>EXLUX 6002</b>								nA (non-sparking)	
with diffuser	●	●	●	●	28 W	700	3 x M25 plastic**	251309	249484
	●	●	●	●			3 x M20 metal***	251310	249485
	●	●	●	●	52 W	1310	3 x M25 plastic**	251311	249486
	●	●	●	●			3 x M20 metal***	251312	249487
								WebCode 6002B	WebCode 6002C
<b>EXLUX 6402/2</b>								nA (non-sparking)	
with diffuser	●	●	●	●	28 W	700	3 x M25 plastic**	244216	
	●	●	●	●			3 x M20 metal***	244217	
	●	●	●	●	52 W	1310	3 x M25 plastic**	244218	
	●	●	●	●			3 x M20 metal***	244219	
								WebCode 6402B	

\*\* M25 plastic, cable gland (included)

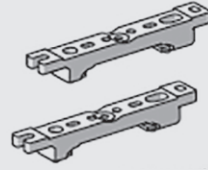
\*\*\* M20 prepared for M20 metal, please order screwed fitting separately

Please order mounting material separately. See details overleaf.

## ACCESSORIES FOR LED LINEAR LUMINAIRES EXLUX 6002 AND 6402

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.



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.

## 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 – Ex II 2Gd Ex op is IIC T6/ T4 Gb  
Zone 21 – Ex II 2D Ex tb IIIC T80 °C/ T100 °C Db  
Mining – Ex 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 – Ex II 2 G Ex ib IIC T4 Gb  
Zone 21 – Ex 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 – Ex II 3 G Ex nR op is IIC T6...T5 Gc  
Zone 21 – Ex II 2D Ex tb IIIC T80 °C...T95 °C Db

WebCode 6525A



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