

Linear Luminaire Sheet Steel for Fluorescent Lamps

Series 6414/11



E2

www.stahl.de



- > For use in Zones 2, 21 & 22
- > In 2- or 4-lamp version
- > Powder-coated sheet-steel or stainless steel
- > Central lock



16958E00

Series 6414 light fittings are preferred for use in spraying and painting installations.

Zone	ATEX / IECEx					
	0	1	2	20	21	22
For use in			x		x	x

WebCode 6414B

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Selection Table

Version	Cable glands	Number of lamps	Lamp wattage W	Material	Order number
Linear Luminaire Sheet Steel for Fluorescent Lamps Series 6414/11	3 x M25	2	18	Sheet steel	6414/1112-2851-0100-11
				Stainless steel	6414/1112-2851-0100-14
		4	18	Sheet steel	6414/1114-2851-0100-11
				Stainless steel	6414/1114-2851-0100-14
		4	18	Sheet steel	6414/1116-2851-0100-11
				Stainless steel	6414/1116-2851-0100-14
	3 x M20	2	18	Sheet steel	6414/1122-4851-0100-11
				Stainless steel	6414/1122-4851-0100-14
		4	18	Sheet steel	6414/1124-4851-0100-11
				Stainless steel	6414/1124-4851-0100-14
		4	18	Sheet steel	6414/1126-4851-0100-11
				Stainless steel	6414/1126-4851-0100-14

Order Number Supplement

Connection terminal	Spring clamp terminal up to 4 mm ²	6414/1 1
	Screw terminal up to 6 mm ²	6414/1 4

Note

The lights are delivered without fluorescent lamps and assembly parts. These parts must be ordered separately!

Explosion Protection

Global (IECEx)

Gas and dust	IECEx BVS 14.0113 Ex nA IIC T4 Gc Ex tb IIIC T80°C Db
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Europe (ATEX)

Gas and dust	BVS 14 ATEX E 164 BVS 14 ATEX E 161 ⊕ II 3G Ex nA IIC T4 Gc ⊕ II 3D Ex tc IIIC T80°C Dc ⊕ II 2D Ex tb IIIC T80°C Db
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Certifications and certificates

Certificates	IECEx, ATEX, India (PESO)
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Technical Data

Electrical data

Ballast	Lamp start	Cold start
	Voltage	220 ... 240 V AC
	DC voltage in case of ignition	198 ... 264 V DC
	DC voltage during operation	176 ... 264 V DC
	Frequency	0 / 50 ... 60 Hz
	Lamp operation DC	2 lamps
	Lamp standard	IEC 60081
	Lamp power	18 W, 36 W, 58 W
	Nominal current	2 x 18 W: 150 mA 2 x 36 W: 300 mA 2 x 58 W: 480 mA 4 x 18 W: 300 mA 4 x 36 W: 600 mA 4 x 58 W: 960 mA
	Power factor cos φ	≥ 0.97

Ambient conditions

Operating temperature range	-30 ... +50 °C (version 18 W and 58 W) -30 ... +55 °C (version 36 W)
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Mechanical data

Degree of protection	IP65 IP64 when using breather 8162 IP66 when using the flushing frame (IEC 60598)
Protection class	I (with internal PE-terminal)
Material	
Enclosure	Sheet steel, powder-coated Brushed stainless steel SS304 (V2A 1.4301) Brushed stainless steel SS316L (V4A 1.4404)
Lens	Safety glass
Seal	Foamed silicone seal in luminaire enclosure
Luminaire locking	Central locking; glass cover hinged for access
Colour	White, similar to RAL 9016

Mounting / Installation

Cable glands	1x M20/M25 left and 2x M20/M25 right, 1x cable glands and 2 stopping plugs as standard
Connection	Spring clamp terminal up to 4 mm ² 3-pole (2 x L1, 2 x N, 2 x PE) 5-pole (2 x L1, 2 x L2, 2 x L3, 2 x N, 2 x PE)
Through wiring	Screw terminal up to 6 mm ² 3-pole (2 x L1, 2 x N, 2 x PE) 5-pole (2 x L1, 2 x L2, 2 x L3, 2 x N, 2 x PE)
Assembly	Optional (max. 12 A) suitable as pendant light fitting, wall mounted luminaire and recessed light fitting Pendant light fitting: 2x M8 threads at the back of the luminaire for use of ring eyes or other mounting accessories. Wall mounted luminaire M8 threads on both sides of the luminaire for mounting of wall mounting brackets. Recessed light fitting: Variant 1: mounting frame welded to enclosure Variant 2: mounting frame attached to enclosure with M6 screws Note: For both installation versions, the luminaires must either be mounted on the back or the sides of the luminaire using the M8 threads.

