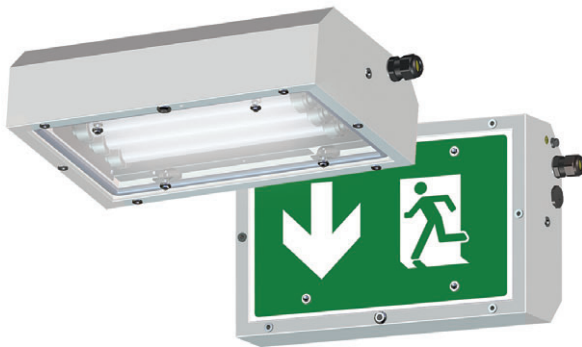


Compact Sheet-Steel Light Fittings

Series 6114/1



- > As 1- or 3-lamp version
- > Versions
 - Pendant fitting
 - Wall-mounting fitting
 - Flush mounted fitting
- > Powder-coated steel or stainless steel
- > Central lock
- > All pole disconnection via NC switch in positive opening operation when glass cover is opened



18170E00

Series 6114 compact light fittings can be used for normal lighting, but also as information sign board fittings or as group or centrally-powered emergency lights.

Zone	ATEX / IECEx					
	0	1	2	20	21	22
6114/1: For use in		x	x		x	x

Explosion Protection

Global (IECEx)

Gas and dust	IECEx BVS 16.0040 Ex e d IIC T4 Gb Ex tb IIIC T80°C Db
--------------	--

Europe (ATEX)

Gas and dust	BVS 16 ATEX E 053 ⊕ II 2G Ex e d IIC T4 Gb ⊕ II 2D Ex tb IIIC T80°C Db
--------------	--

Certifications and certificates

Certificates	IECEx, ATEX, India (PESO)
--------------	---------------------------

WebCode 6114B

Compact Sheet-Steel Light Fittings

Series 6114/1

Selection Table

Version	Lamps	Cable glands	Enclosure	Order number	Art. no.	Weight kg
6114/1 Standard	1 x 8 W	M25 Plastic	Sheet Steel	6114/1118-1801-1330-11	252430	6.800
			Stainless Steel SS316L	6114/1118-1801-1330-14	252436	7.000
		M20 Metal	Sheet Steel	6114/1118-1802-1330-11	252432	6.800
			Stainless Steel SS316L	6114/1118-1802-1330-14	252438	7.000
	3 x 8 W	M25 Plastic	Sheet Steel	6114/1118-3801-1330-11	252434	6.800
			Stainless Steel SS316L	6114/1118-3801-1330-14	252440	7.000
		M20 Metal	Sheet Steel	6114/1118-3802-1330-11	252435	6.800
			Stainless Steel SS316L	6114/1118-3802-1330-14	252441	7.000
6114/1 with monitoring module	1 x 8 W	M25 Plastic	Sheet Steel	6114/1118-1801-1431-11	252431	6.800
			Stainless Steel SS316L	6114/1118-1801-1431-14	252437	7.000
		M20 Metal	Sheet Steel	6114/1118-1802-1431-11	252433	6.800
			Stainless Steel SS316L	6114/1118-1802-1431-14	252439	7.000

Note Compact light fittings can be operated as emergency lighting via a group or central battery system. The light fittings are supplied without lamps and mounting material. These must be ordered separately. Further escape and information signs available on request.
* Mounting brackets must be ordered separately.

Technical Data

Electrical data

Ballast

	6114/1..8-1...-.....-	6114/1..8-3...-.....-
Quantity EB	1	1
Lamp start	Cold start	Cold start
Voltage	220 ... 240 V AC	220 ... 240 V AC
DC voltage in case of ignition	198 ... 264 V DC	198 ... 264 V DC
DC voltage during operation	176 ... 264 V DC	176 ... 264 V DC
Frequency	0 / 50 ... 60 Hz	0 / 50 ... 60 Hz
Lamp standard	IEC 60081	IEC 60081
Lamp power	1 x 8 W	3 x 8 W
Nominal current	48 mA	106 mA

Inrush current

	6114/1..8-.8.-.-3...-	6114/1..8-39...-4...-
I_{peak}	18.3 A	36.6 A
Δt	138 μs	138 μs

maximum number of luminaires per miniature circuit breaker at 230 V:

Type	6114/1..8-.8.-.-3...-			6114/1..8-39...-4...-		
	10 A	16 A	20 A	10 A	16 A	20 A
B	21	34	42	10	16	21
C	35	56	70	17	28	35

Power factor $\cos \varphi$

1-lamp	≥ 0.77
3-lamp	≥ 0.94

Ambient conditions

Operating temperature range	-20 °C ... +50 °C
Storage temperature	-30 °C ... +65 °C

Compact Sheet-Steel Light Fittings

Series 6114/1



Technical Data

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)
Impact strength (IK code)	IK10 (IEC 62262)
Material	
Enclosure	Sheet-steel, powder-coated, white, similar to RAL 9016 Stainless steel SS316L (V4A 1.4404) brushed
Lens	Safety glass
Seal	Foamed silicone seal in luminaire enclosure
Luminaire locking	Central locking; glass cover hinged for access

Mounting / Installation

Cable glands	1x M20/M25 left and 2x M20/M25 right, 2x cable glands and 2 stopping plugs as standard
Connection	Spring clamp terminal 0.5 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 0.75 to 4 mm ² solid / stranded 0.75 to 6 mm ² solid 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	Loop in/loop out possible up to 12 A max. Wall mounted luminaire M8 threads on both sides of the luminaire for mounting of wall mounting brackets. Recessed light fitting: Variant 1: flushing frame attached to enclosure using M6 screws Variant 2: flushing frame welded to enclosure Note: For both installation versions, the luminaires must either be mounted on the back or the sides of the luminaire using the M8 threads.

Address module

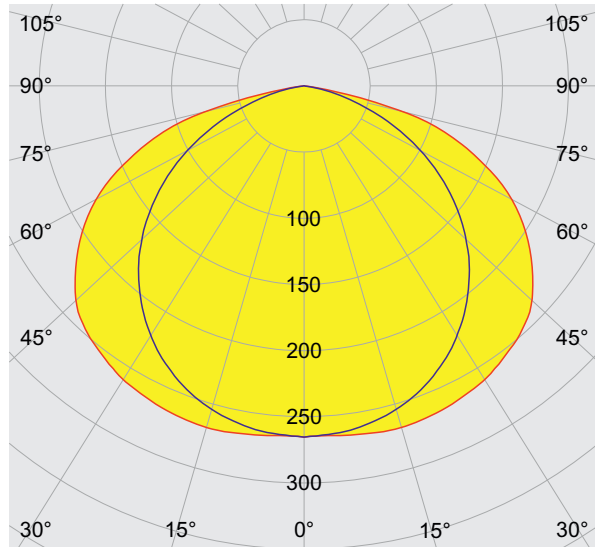
Type	6114/1118-.8..-4.1..
Function	Address and switching module for R. STAHL emergency lighting systems according to VDE 0108: The module is used for the monitoring of individual luminaires and for the control of network and safety lights. The module offers the following functions: • Control of the luminaire (ON / OFF) and function test • Up to 20 addresses can be configured for each electric circuit by means of a coding switch • The type of connection of the luminaire (continuous light, stand-by light or switched light) is freely programmable • Mixed operation within one circuit is possible
Input voltage	(Input between L' (1) and N (2)) U _N 230 (+10 % / -15 %) V AC, 50 / 60 Hz U _{DC} 175 ... 275 V DC
Control input	(between L (4) and N (5)) U _N 230 (+10 % / -15 %) V AC, 50 / 60 Hz
Connected power (output to light)	P 4 ... 150 W
Ambient temperature	T _{a (Module)} -10 ... +50 °C

E2

Compact Sheet-Steel Light Fittings

Series 6114/1

Light Distribution Curves

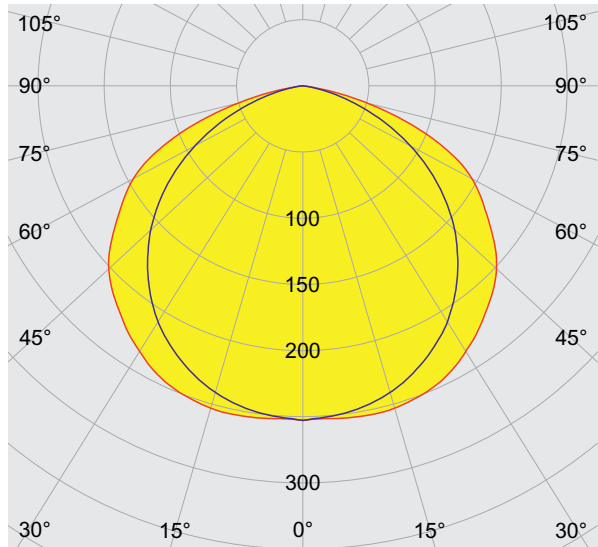


cd/klm
 — C0 - C180 — C90 - C270

1x 8 W

η = 88%

18292E00




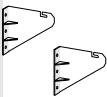


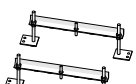

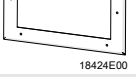
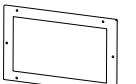
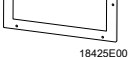
cd/klm
 — C0 - C180 — C90 - C270

3x 8 W

η = 78%

18293E00

Accessories and Spare Parts

















Designation	Figure	Description	Art. no.	Weight kg
Fluorescent lamps	 04936E00	Colour of light cool white Light flux 450 lm 10 pcs	119045	0.415
Mounting accessories	 18428E00	Mounting bracket for swivel-mounting of light fitting on walls or ceilings. Material: sheet steel, powder-coated	226700	1.533
	 18427E00	Mounting bracket "short" for direct wall or ceiling mounting. Material: Stainless steel SS304 (V2A or 1.4301)	253817	0.400
	 18426E00	C-LUX adaptor Mounting bracket "short" for mounting of luminaire on existing fastening points of the compact light fitting C-LUX. Material: Stainless steel SS304 (V2A or 1.4301)	253818	0.250
	 18429E00	Fastening set for wall and ceiling mounting of light fitting. Material: sheet steel	230082	1.444
Recessed flushing frame (meets IP66)	 18424E00	for wall and ceiling mounting Material: sheet steel, powder-coated	253591	0.980
	 18424E00	for wall and ceiling mounting Material: stainless steel SS316L (V4A or 1.4404)	253593	1.050
Flushing frame (meets IP66)	 18425E00	for pendant, wall and ceiling mounting Material: sheet steel, powder-coated	253594	0.740
	 18425E00	for pendant, wall and ceiling mounting Material: stainless steel SS316L (V4A or 1.4404)	253596	0.760

Compact Sheet-Steel Light Fittings

Series 6114/1



Accessories and Spare Parts


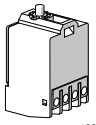
Designation	Figure	Description	Art. no.	Weight kg
Emergency exit sign		Adhesive foil, to stick on the glass cover Size (l x h): 392 x 232 mm Recognition distance: e = 42 m		
	 03018E00	Colours Sign white Background green	1 pc. 221481	
	 08484E00	Colours Sign white Background green	1 pc. 221479	
	 08482E00	Colours Sign white Background green	1 pc. 221478	
	 08483E00	Colours Sign white Background green	1 pc. 247460	
	 08487E00	Colours Sign white Background green	1 pc. 221485	
	 08486E00	Colours Sign white Background green	1 pc. 221483	
	 08485E00	Colours Sign white Background green	1 pc. 221484	
	 08488E00	Colours Sign white Background green	1 pc. 221482	
	 03203E00	Colours Sign green Background white	1 pc. 221585	
	 09020E00	Colours Sign green Background white	1 pc. 221583	
	 03208E00	Colours Sign green Background white	1 pc. 221584	
	 12615E00	Colours Sign green Background white	1 pc. 221582	
	 12618E00	Colours Sign red Background white	1 pc. 221581	
	 12618E00	Colours Sign red Background white	1 pc. 221579	
	 12617E00	Colours Sign red Background white	1 pc. 221580	
	 12619E00	Colours Sign red Background white	1 pc. 221578	

E2

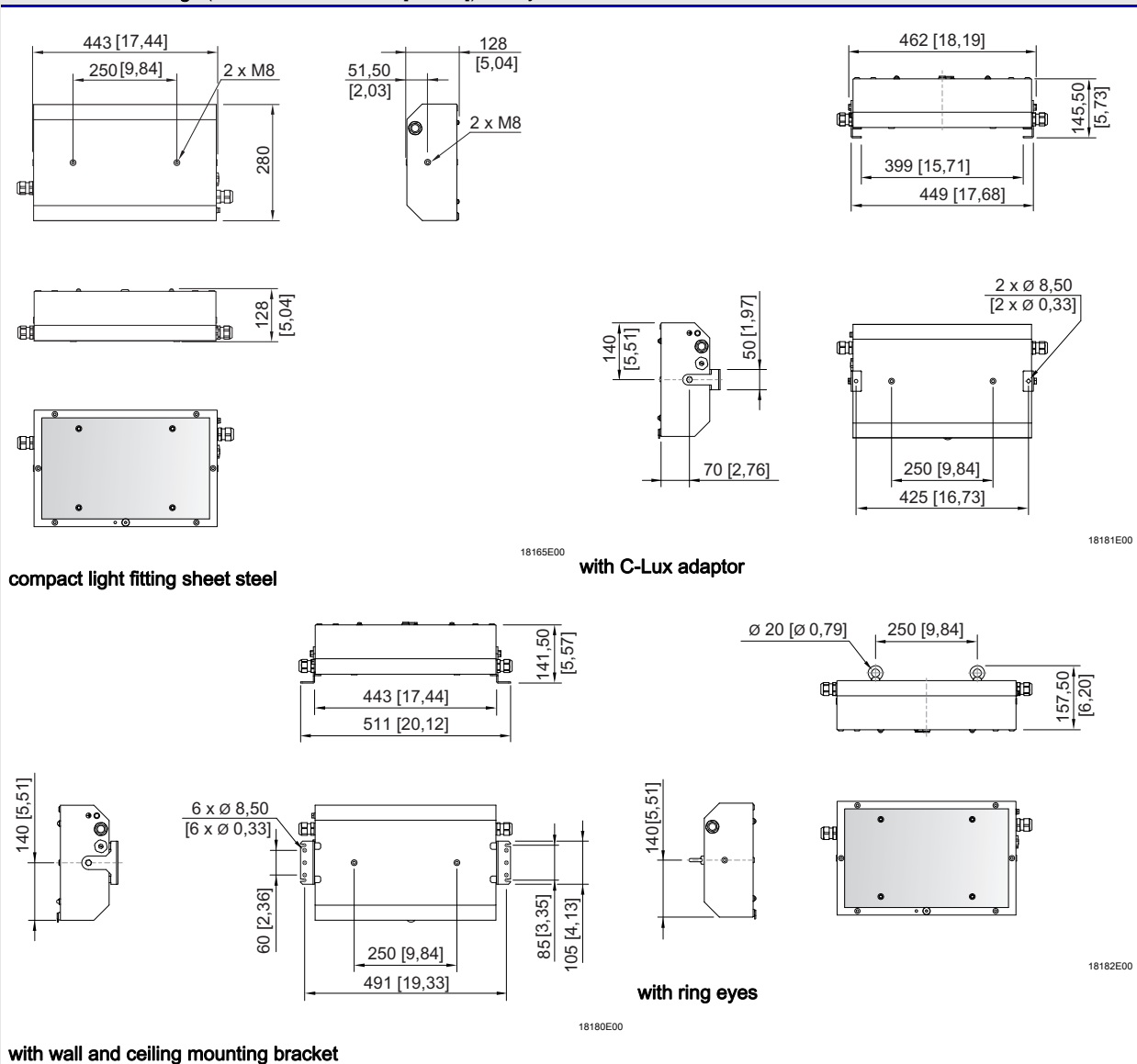
Compact Sheet-Steel Light Fittings

Series 6114/1

Accessories and Spare Parts

Designation	Figure	Description	Art. no.	Weight kg
Ring bolts	 05378E00	M8, direct mounting in insert nuts, 1 pair	115736	0.112
Switch	 10809E00	Switching element 8080/1-3-L, 2 normally closed contacts	132527	0.026

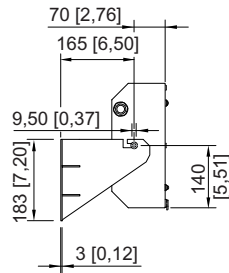
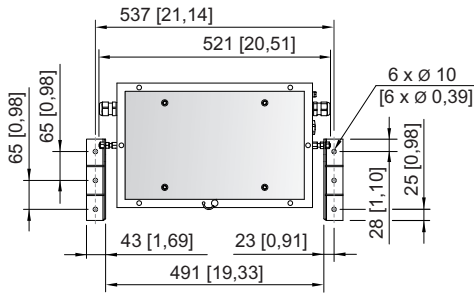
Dimensional drawings (All dimensions in mm [inches]) - Subject to modifications



Compact Sheet-Steel Light Fittings Series 6114/1

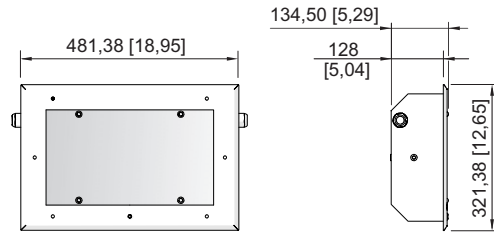
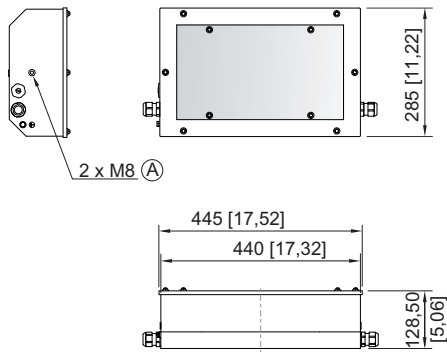


Dimensional drawings (All dimensions in mm [inches]) - Subject to modifications



18166E00

with wall mounting bracket (luminaire swivel-mounted)

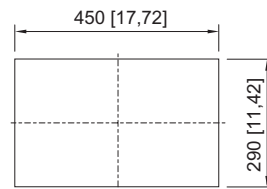
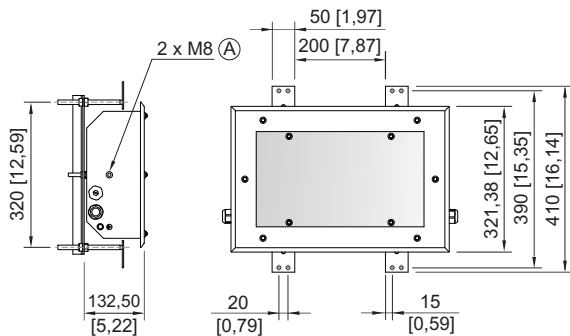


18164E00

with recessed flushing frame (fulfills IP66)

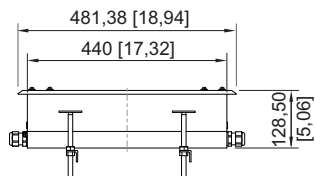
18183E00

with flushing frame for IP66



cut-out

18167E00



18184E00

with fastening set for wall and ceiling mounting

A - Insert nut sealed with blind plug

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.

E2