

Emergency luminaire for fluorescent lamps for central battery units

Series EXLUX 6006



15454E00

- > As wall, ceiling and pendant light fitting or pole mounted light fitting
- > Version with 2 lamps: 36 W and 58 W
- > Central locking
- > All-pole disconnection by means of an N/C switch when the lamp is opened
- > with address module for luminaire control and monitoring



The luminaires Series **EXLUX 6006** are equipped with an address module for control and monitoring. When used with a central battery unit the luminaires are suitable for emergency lighting and for lighting of emergency escape routes. In case of power failure the luminaire will be switched from 2-lamp to 1-lamp operation.

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

Explosion Protection

Global (IECEx)

Gas and dust	IECEx PTB13.0033 Ex d e IIC T4 Gb or Ex db eb IIC T4 Ex tb IIIC T80 °C Db or Ex tb IIIC T80 °C
--------------	--

Europe (ATEX)

Gas and dust	PTB 13 ATEX 2005 ⊕ II 2 G Ex d e IIC T4 Gb or Ex db eb IIC T4 ⊕ II 2 D Ex tb IIIC T80 °C Db or Ex tb IIIC T80 °C
--------------	--

Certifications and certificates

Certificates	IECEx, ATEX
--------------	-------------

WebCode 6006A

Emergency luminaire for fluorescent lamps for central battery units

Series EXLUX 6006

Selection Table

Version	Length mm	Lamp wattage W	Number of lamps	Order number	Weight kg
EXLUX 6006	1310	36	2	6006/542-9510-11511	7.690
	1610	58	2	6006/562-9510-11511	8.840

Order Number Supplement

Through wiring	without		6006/5...0...-.....
	with 5 conductors		6006/5...5...-.....
Connection terminal	Cage clamp terminal type WAGO 0.5 ... 4 mm ²		6006/5...-...-...1..
	Screw-type terminal type STAHL 1.5 ... 6 mm ²		6006/5...-...-...2..
Cable glands	Standard (plastic)	2 x M25 x 1.5 cable gland and 2 x M25 x 1.5 stopping plugs	6006/5...-...-...11
	Special (metal)	4 x M25 drilled holes with metal plate cable entries must be ordered separately	6006/5...-...-...12
	Special (metal)	4 x M20 drilled holes with metal plate cable entries must be ordered separately	6006/5...-...-...22

Note

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

Technical Data

Electrical data

Ballast	6006/...-...0-....	6006/...-...1-....
Lamp start	Cold start	Cold start
Voltage	220 ... 240 V AC	220 ... 240 V AC
Voltage DC during switching on	198 ... 264 V DC	198 ... 264 V DC
Voltage DC during operation	176 ... 264 V DC	198 ... 264 V DC
Frequency	0 / 50 ... 60 Hz	0 / 50 ... 60 Hz
Operation of the lamps DC	1-lampig	2-lampig
Lamp standard	IEC 60081	IEC 60081
Lamp power	18, 36, 58 W	18, 36, 58 W
Nominal current	1 x 18 W, 85 mA 2 x 18 W, 170 mA 1 x 36 W, 160 mA 2 x 36 W, 320 mA 1 x 58 W, 250 mA 2 x 58 W, 500 mA	1 x 18 W, 85 mA 2 x 18 W, 170 mA 1 x 36 W, 160 mA 2 x 36 W, 320 mA 1 x 58 W, 250 mA 2 x 58 W, 500 mA
Power factor cos φ	cos $\varphi \geq 0.97$ capacitive; no additional compensation required	
Disconnection of the light	When opening the light Switch with safety lock; when opening the central lock, all poles of the voltage supply to the ballast are disconnected; contacts of the switching element are NC contacts, they can only be switched on again when the lamp cover and the central locking system are closed. In case of a lamp fault , the electronic ballast disconnects the defective lamp from the power supply.	
End of life switch	The electronic ballast, type 6042/9... fulfills the requirements according to IEC 61347-2-3 (simulation of the "end of life effect" of fluorescent lamps, "asymmetric pulse test 1" and "asymmetric power test 2" correspond to the test conditions in the draft IEC 60079-7 ed.4 appendix H).	
Luminous characteristics		
Lamps	18 W	60081-IEC-2220 G13
	36 W	60081-IEC-2420 G13
	58 W	60081-IEC-2520 G13
	Use cold start suitable lamps..	

Emergency luminaire for fluorescent lamps for central battery units

Series EXLUX 6006



Technical Data

Ambient conditions			
Operating temperature range			Through wiring
	Type	without	with
	6006/54.-...2-....	-20 °C ... 50 °C	-20 °C ... 50 °C
6006/56.-...2-....	-20 °C ... 50 °C	-20 °C ... 50 °C	
Mechanical data			
Degree of protection	IP66 (IEC 60598)		
Protection class	I (with internal PE connection)		
Material			
Enclosure	Polyester resin, glass fibre-reinforced		
Enclosure Colour	colour grey, similar to RAL 7035		
Lamp cover	Polycarbonate		
Gasket	Silicone foam gasket in the lamp cover		
Lamp locking	Central locking which can be opened/closed using a socket key M8 / wrench size 13, hinged lamp cover		
Mounting / Installation			
Cable glands	Standard luminaire		
	Plastic:	2 x M25 x 1.5 cable gland 8161 and 2 x M25 x 1.5 stopping plugs 8290 (enclosed)	
	Metal:	2 x metal plates M20 x 1.5 connected by means of PE for metal cable entries Attention: cable entries must be ordered separately	
Connection	Special:	max. 4 bores for M20, M25, NPT ½" max. 2 bores for NPT ¾"	
		Metal cable glands:	M20 x 1.5, M25 x 1.5; earthing of the metal cable entries by means of metal plates
	Standard:	Spring clamp terminals 5-pole: L1, L2, L3, N, PE Clamping range: 1 x 0.75 ... 4 mm ² (solid / finely stranded) 4 mm ² finely stranded without core end sleeve only (2 free clamping units for each pole available)	
	Special:	Terminal block with covering 5-pole: L1, L2, L3, N, PE Clamping range: 2 x 1.5 ... 6 mm ² (solid); 2 x 1.5 ... 4 mm ² (finely and extra finely stranded)	
Through wiring	Through wiring	Standard luminaire Luminaires are equipped with internal through wiring. Ingoing and outgoing leads can be connected on the opposite sides. Terminals: see Techn. data Wiring cross-section: 2.5 mm ² for max. 16 A	
	without	Optional On the connection side, there are 2 bores M25 x 1.5 for cable entries for ingoing and outgoing wiring of the connection line (ingoing and outgoing leads on one side).	
Assembly	For outdoor mounting, a breather is recommended		
	Standard luminaire		
	Standard:	2 x M8 insert nuts in the enclosure	
Special:	Mounting grooves in the enclosure for the use of fastening and ceiling rails for variable luminaire mounting (variable mounting distances for luminaires 18 W: 320 ... 480 mm; 36 W / 58 W: 670 ... 930 mm)		

E2

Emergency luminaire for fluorescent lamps for central battery units


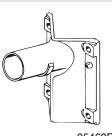
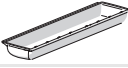
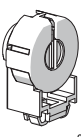
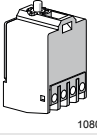
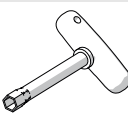
Series EXLUX 6006

Technical Data

Address module

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: <ul style="list-style-type: none"> • 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+ and N-) U_N 230 (+ 10 % / - 15 %) V AC, 50 Hz U_{DC} 175 ... 275 V DC
Control input	(between L and N) U_N 230 (+ 10 % / - 15 %) V AC, 50 Hz
Connected power (output to light)	P 4 ... 100 W
Ambient temperature	T_a (Module) - 20 ... + 50 °C
Dimensions	L x W x H = 145.5 x 92 x 54 mm

Accessories and Spare Parts


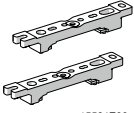
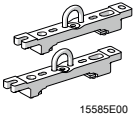
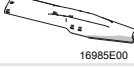
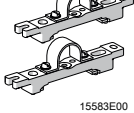


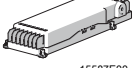
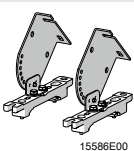
Designation	Figure	Description	Art. no.	Weight kg	
Fluorescent lamps	 04936E00	36 W 3350 lm	108951	0.200	
		58 W 5200 lm	108950	0.220	
		Two-pin cap \varnothing 26 mm Light colour: universal white Pins made of brass			
Bracket for wall mounting with tube	 05460E00	for side entry lamp; with tube, length 400 mm, \varnothing 42 mm	108947	2.480	
Lamp cover		for luminaire L=1310	222428	1.149	
		for luminaire L=1610	222429	1.450	
Lamp-holder	 05696E00	Lamp holder G13	1 piece	117252	0.025
Switch	 10809E00	Switching element 8080/1-3-L, 2 normally closed contacts	132527	0.025	
Socket key	 15507E00	M8 / wrench size 13; to open/close the central locking	222430	0.210	

Emergency luminaire for fluorescent lamps for central battery units

Series EXLUX 6006



Accessories and Spare Parts

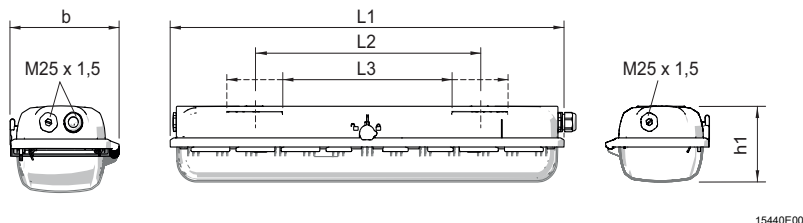
Designation	Figure	Description	Art. no.	Weight kg	
Adapter plates	 05755E00	1 x M20 x 1.5	1 piece	115815	0.070
		1 x M25 x 1.5	1 piece	115818	0.070
		1 x NPT 1/2"	1 piece	115821	0.070
		1 x NPT 3/4"	1 piece	115824	0.070
		2 x M20 x 1.5	1 piece	115826	0.060
		2 x M25 x 1.5	1 piece	115828	0.060
		2 x NPT 1/2"	1 piece	115829	0.060
		for use together with metal cable glands; the metal cable glands are integrated in the earthing system via adapter plates			
Mounting rail	 15584E00	for a variable mounting distance	1 pair	222826	0.300
Mounting bracket	 15585E00	Mounting clamp mounted on a mounting rail for a variable mounting distance; 1 pair		222456	0.400
Pole mounting sleeve	 16985E00	for the subsequent mounting on lights 18 W and 36 W, completely with assembly parts		227512	3.300
Pipe clamp	 15583E00	R 1 1/2"		222459	1.200
		R 1 1/4"		222458	1.250
		R 2"		222460	1.300
		with mounting rail for a variable mounting distance; Material: stainless steel 1 pair			
Ring bolt	 05378E00	M8, direct mounting in insert nuts, 1 pair		115736	0.120
Breathing gland	 05703E00	M25 x 1.5 in order to avoid condensate formation		115738	0.020
Ballast	 15587E00	6042/943-21; 36 W; 220 ... 240 V; 1xDC		117596	1.400
		6042/963-21; 58 W; 220 ... 240 V; 1xDC		117597	1.450
		Spare ballast for replacement 1:1			
Ceiling and wall-mounting bracket	 15586E00	1 pair mounted on a mounting rail for a variable mounting distance; Material: stainless steel Lamp can be swiveled in steps of 15°		222827	2.400

E2

Emergency luminaire for fluorescent lamps for central battery units

Series EXLUX 6006

Dimensional Drawings (All Dimensions in mm [inch]) - Subject to Modifications

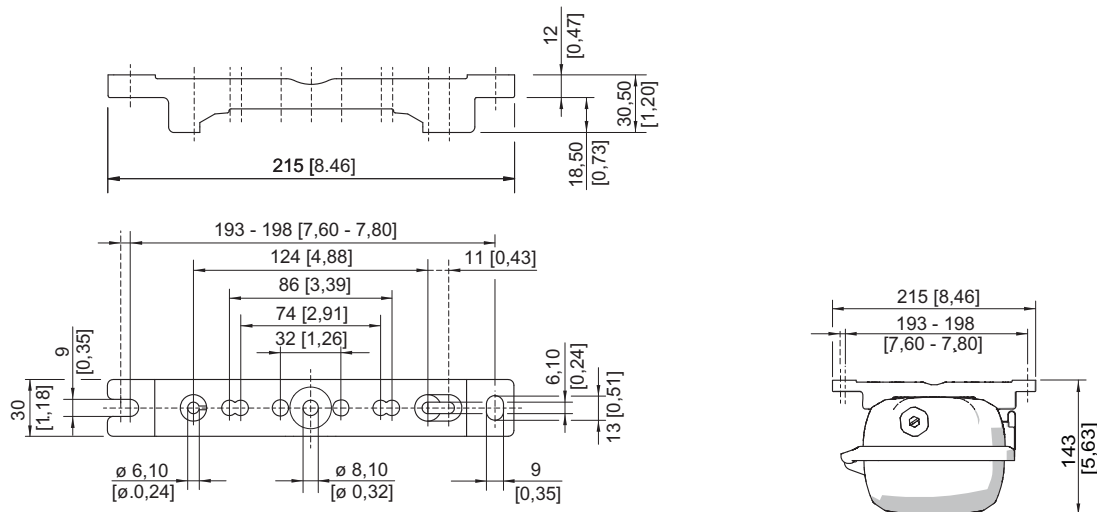


Dimensions	Luminaire	
	36 W	58 W
L1	1310 [51.57]	1610 [63.39]
L2 ¹⁾	800 [31.50]	800 [31.50]
L3 ²⁾	670 ... 930 [26.38 ... 36.61]	670 ... 930 [26.38 ... 36.61]
b	184 [7.24]	184 [7.24]
h1	125 [4.92]	125 [4.92]

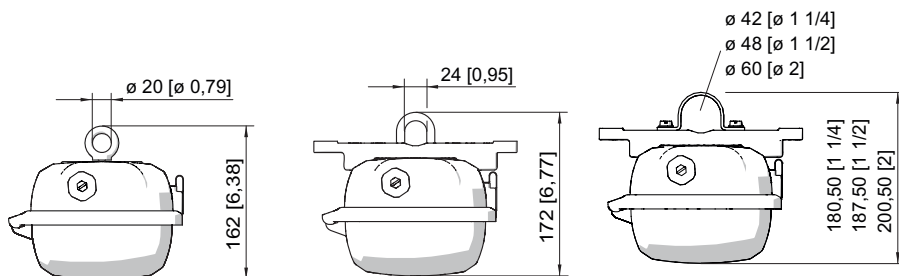
¹⁾ fixed mounting distance
²⁾ variable mounting distance

EXLUX 6006 Standard luminaire

Dimensional drawings for assembly parts and accessories (all dimensions in mm) - Subject to alterations



Mounting rail



Ring bolt fitted in insert nut of the light fitting

Mounting bracket fitted in mounting rail

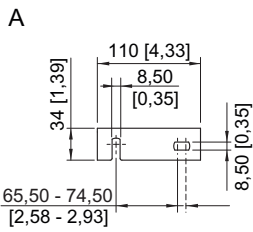
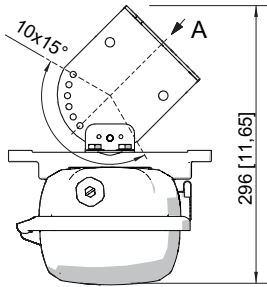
Pipe clamp fitted in mounting rail

Emergency luminaire for fluorescent lamps for central battery units

Series EXLUX 6006

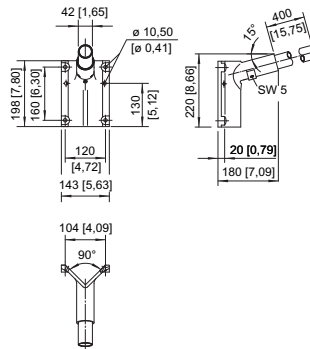


Dimensional drawings for assembly parts and accessories (all dimensions in mm) - Subject to alterations



15780E00

Wall mounting bracket fitted in mounting rail



03257E00

Bracket for wall mounting with pipe section

E2

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.