# www.sta

## **Emergency Luminaire with LED**

Series EXLUX 6009/1 Version IIC





- > For use in hazardous areas with gas group IIC
- Emergency luminaire for wall, ceiling, pendant or pole installation
- Latest LED technology with a high luminous efficacy and a long service life
- > Central locking system
- > Weekly functional test
- Annually rated operating time test











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

### Explosion Protection

Explosion Frotection	
Global (IECEx)	
Gas and dust	IECEx IBE 16.0038
	Ex db eb mb op is IIC T4 Gb
	Ex tb op is IIIC T100°C Db
Europe (ATEX)	
Gas and dust	IBExU16ATEX1199
Certifications and certificates	
Certificates	IECEx, ATEX

WebCode 6009C

2017-10-24-EK00-III-en Lighting E2/1

Version		Colour temperature	CRI	Power consumption	Cable entry	Order number	Art. no.	<b>Weight</b>
Emergency luminaire		5,000 K	≥ 80	28 W	3x M25 Plastic	6009/1282-171-7611-131-00	256334	6.780
with LED, Series EXLUX 6009/1,					3x M20 Metal	6009/1282-171-7611-232-00	256280	6.830
gas group IIC				52 W	3x M25 Plastic	6009/1482-171-7611-131-00	256332	9.350
					3x M20 Metal	6009/1482-171-7611-232-00	256278	9.350
Order Number Supple	ment							
Through wiring	with	6 conducto	rs			6.09/6		
	witho	out				6.09/		
Connection terminal	Sprir	ng clamp te	rminal ty	pe WAG	O 0.75 4 mm <sup>2</sup>	6.09/1		
	Scre	w-type term	ninal typ	e STAHL	. 1.5 6 mm²	6.09/22		
Cable glands	M25	hole				6.09/11		
	M20	hole				6.09/22		
	1/2"	hole				6.09/3		
	3/4"	hole				6.09/44		
	Num	ber of holes	s = 1			6.09/1		
	Num	ber of holes	s = 2			6.09/2		
	Num	ber of holes	s = 3			6.09/3		
	Num	ber of holes	s = 4			6.09/4		
	Inser	t made of p	lastic			6.09/1		
	Inser	t made of s	tainless	steel		6.09/2		
	Inser resis	t made of s tant)	tainless	steel (se	eawater	6.09/5		
Rated operating time	with					6.09/7		
test	withc	out				6.09/8		
		light fittings			thout mounting ma red separately!	aterial.		

Lighting E2/2 2017-10-24·EK00·III·en



Technical Data											
Electrical data Control gear	AC: 110 240 V ±10 %; 50 60 Hz										
Control geal	AO. 110	710. 110 240 V 210 /0, 00 00 112				1	6009/141	6009/141			
	Power cor	Power consumption [W]					52	52			
	Voltage [\	/]			230	110	230	110			
	Frequency	y [Hz]			50	60	50	60			
	Power fac	tor			≥ 0.90	≥ 0.98	≥ 0.95	≥ 0.99			
	THD [%]	THD [%]				≤ 12.5	≤ 7	≤ 8			
	Rated ope	Rated operational current [A]									
	LEDs off,	LEDs off, battery conservation mode				typ. 0.05	typ. 0.05	typ. 0.05			
	LEDs on,	LEDs on, battery conservation mode				typ. 0.26	typ. 0.24	typ. 0.48			
	LEDs off,	LEDs off, battery charging mode				typ. 0.08	typ. 0.06	typ. 0.08			
	LEDs on,	LEDs on, battery charging mode				typ. 0.28	typ. 0.24	typ. 0.50			
Inrush current		A; Δt = 115 number of		s per min	iature circui	t breaker at 230	) V:				
	Туре	10 A	16 A	20 A	25 A						
	В	7	12	15	18						
	С	12	20	25	31						
	K	25	40	50	62						

	K 20 .0				
Luminous characteristics					
		6009/1200	6009/1400	6009/1201	6009/1401
	Power consumption [W]	28	52	28	52
	Colour rendering [CRI]	≥ 80	≥ 80	≥ 70	≥ 70
	Colour temperature [K]	5,000	5,000	5,700	5,700
	without diffuser				
	Luminous flux [lm]	typ. 2,850	typ. 5,700	typ. 3,150	typ. 6,300
	Luminaire efficiency [lm/W]	typ. 102	typ. 110	typ. 113	typ. 121
	with diffuser				
	Luminous flux [lm]	typ. 2,350	typ. 4,700	typ. 2,600	typ. 5,200
	Luminaire efficiency [lm/W]	typ. 84	typ. 90	typ. 93	typ. 100
	Values apply to $T_a$ = +25 °C.				

Lighting E2/3 2017-10-24·EK00·III·en

Service life						
Service life			T <sub>a</sub> ≤ 25 °C	T <sub>a</sub> ≤ 45 °C	T <sub>a</sub> ≤ 60 °C	
	I P C		100,000 h	90,000 h	50.000 h	
	L <sub>70</sub> B <sub>10</sub> C <sub>10</sub>		100,000 11	90,000 11	30,000 11	
	• max. "y" per	cent of all th	Life: to "x" percent ne light fittings fa ne light fittings b	all below "x" reak down completel	ly	
Ambient conditions						
Ambient temperature	- 30 + 60 °C	(1, 2)	without throu	gh wiring		
	- 30 + 55 °C	(1, 2)	with through	wiring; I <sub>N</sub> ( 10 A		
	- 30 + 50 °C	(1)	with through	wiring; I <sub>N</sub> ( 16 A		
	(1) Rated operating time during emergency light operation is guarenteed within an ambient temperature range of -5 °C 50 °C. This also charging and discharging of the battery. The rated operating time might be resulted this temperature range.  (2) Battery service life is guarenteed within an ambient temperature range of -30 °C 50 °C according to IEC/EN 60598-2-22.					
Mechanical data						
Degree of protection	IP66 / IP67 (IE	,				
Protection class	I (with internal	PE connec	tion)			
Impact strength (IK code)	IK10 (IEC 622	62)				
Material						
Enclosure						
Enclosure	Polyester resi	n, glass fibr	e-reinforced			
Colour	colour grey, si	milar to RA	L 7035			
Translucent cover	Polycarbonate	e				
Seal	Silicone foam	gasket in th	ne lamp cover			
Luminaire locking	Central locking cover	g which can	be opened/clos	ed using a socket ke	y M8 / wrench size 13, hinged lamp	
Mounting / Installation						
Cable glands	Standard lumi	naire				
	Plastic:		c 1.5 cable entric c 1.5 stopping pl	es 8161 and lugs 8290 (enclosed)	1	
	Metal:		•	5 connected by mea	ns of PE for metal cable entries irately	
	Special:		illed holes for M illed holes for N	120, M25, NPSM ½" PT ¾"		
		Metal cab	ole glands:	M20 x 1.5, M25 x ries by means of n	1.5; earthing of the metal cable ent netal plates	
Connection	Standard:	Spring clamp terminals 6-pole: L1, L2, L3, L', N, PE Clamping range: 1 x 0.75 4 mm² (solid / finely stranded) (2 free clamping units per pole available)				
	Special:	6-pole: L1		PE	1.5 4 mm² (finely and extra finely	

Lighting E2/4 2017-10-24·EK00·III·en

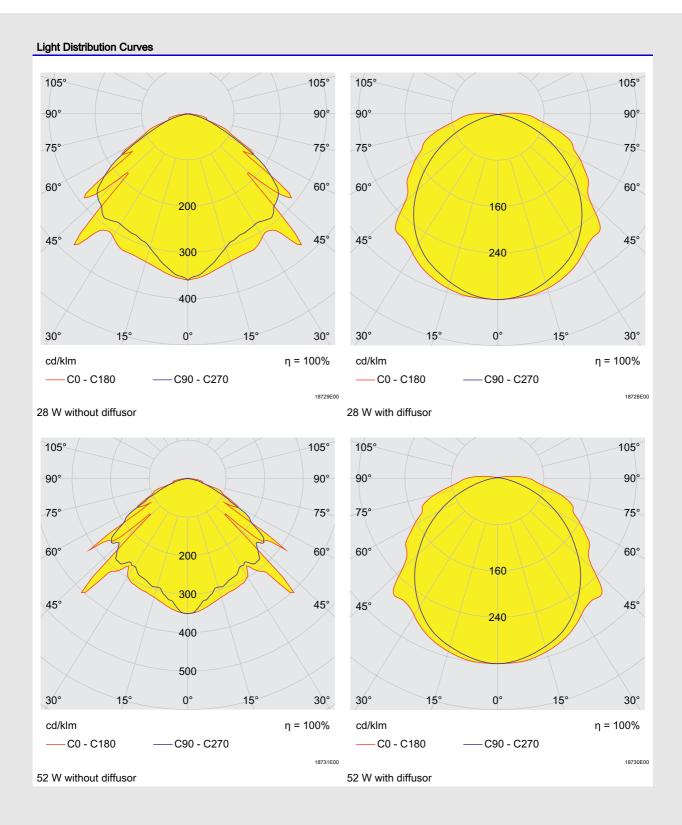


Technical Data							
Through wiring	Through wiring	going and outgoing Terminals: see tec	Standard luminaire Luminaires are equipped with internal through wiring. Ingoing and outgoing leads can be connected to the opposite sides. Terminals: see techn. data Wiring cross section: 2.5 mm² for max. 16 A.				
	without	outgoing wiring of	side, there are 2 ca the connection line ing leads on one sid	able entries M25 x 1.5 for ingoing and de).			
Assembly	Standard luminaire	•					
	Standard: 2 >	M8 insert nuts in the	enclosure				
	lur 	Special: Mounting grooves in the enclosure for use of fastening and ceiling rails for valuminaire mounting (variable mounting distances for luminaires L = 700 mm 480 mm; L = 1310 mm; 670 930 mm)					
Control gear							
Emergency light mode	In case of power fa	ailure the LEDs are su	pplied by the battery	/			
Rated operating time	at optimal ambient	temperature of the ba	ttery:				
		Operating time of emergency light	Emergency light output				
			28 W	52 W			
	7 Ah	1.5 h	58 %	31 %			
		3.0 h	30 %	21 %			
Switchover voltage	from mains to battery operation for U < 0.83 x $U_N$ from battery to mains operation for U > 0.88 x $U_N$						
Battery set							
Version	Gas-tight NiCd battery						
Operating voltage	6 V						
Capacity	7 Ah						
Replacing the battery set	When opening the battery enclosure, the connection between the battery and the emergency light electronics is disconnected by means of a switch.  The battery set can be replaced after disconnecting the plug-in contacts.						

Lighting E2/5 2017-10-24·EK00·III·en

## **Emergency Luminaire with LED**

Series EXLUX 6009/1 Version IIC



E2/6 Lighting



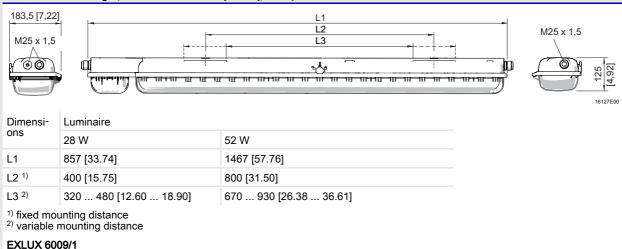
Accessories and Spa	re Parts			
Designation	Figure	Description	Art. no.	Weight
Socket key		M8 / wrench size 13; to open/close the central locking	222430	0.210
Lamp cover	15507E00	for luminaire L=700	222427	0.639
		for luminaire L=1310	222428	1.149
		for luminaire L=700 (resistant to aromatic substances)	256534	0.639
		for luminaire L=1310 (resistant to aromatic substances)	256535	1.149
Switch	10809E00	Switching element 8080/1-3-L, 2 normally closed contacts	132527	0.026
Breathing gland	05703E00	M25 x 1.5 in order to avoid condensate formation for 6009/1	115738	0.017
Ring bolt	05378E00	M8, direct mounting in insert nuts, 1 pair	115736	0.112
Mounting rail	15584E00	for a variable mounting distance 1 pair	222826	0.300
Mounting bracket	15585E00	mounting clamp mounted on a mounting 1 pair rail for a variable mounting distance	222456	0.400
Ceiling and wall- mounting bracket	1313	1 pair	222827	1.200
mounting product	15586E00	mounted on a mounting rail for a variable mounting distance; Material: stainless steel Lamp can be swiveled in steps of 15°		
Pipe clamp		R 1 <sup>1</sup> / <sub>2</sub> "	222459	1.200
	200	R 1 <sup>1</sup> / <sub>4</sub> "	222458	0.900
		R 2"	222460	0.750
	15583E00	with mounting rail for a variable mounting 1 pair distance; Material: stainless steel		
Pole mounting sleeve	16985E00	for the subsequent mounting on lights 18 W and 36 W, completely with assembly parts	227512	3.200
Bracket for wall mounting with tube	05460E00	for side entry lamp; with tube, length 400 mm, $\not o$ 42 mm	108947	2.480
Battery set	16332E00	Battery cover with built-in battery. Gas-tight NiCd battery; 7 Ah / 6 V	223532	1.195

Lighting E2/7 2017-10-24·EK00·III·en

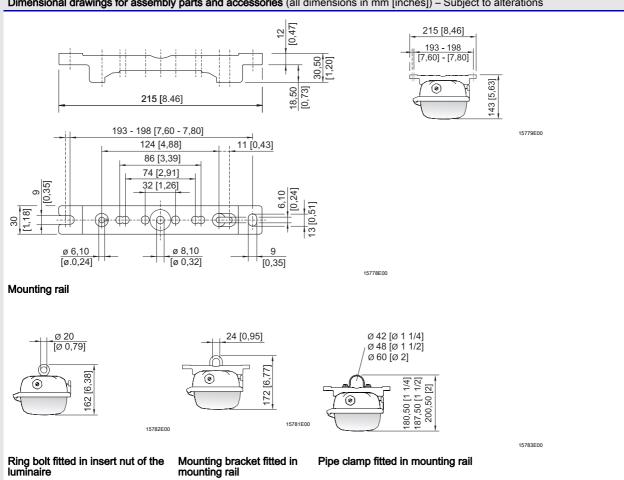
## **Emergency Luminaire with LED**

### Series EXLUX 6009/1 Version IIC

### Dimensional Drawings (All dimensions in mm [inches]) - Subject to alterations



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



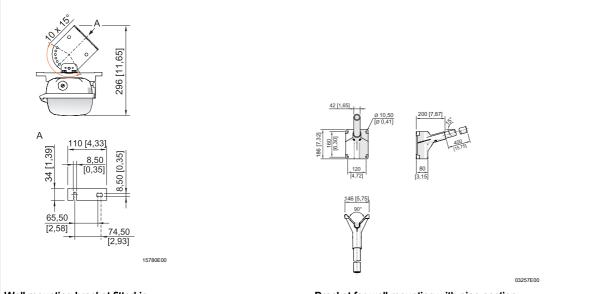
E2/8 Lighting 2017-10-24·EK00·III·en

## **Emergency Luminaire with LED**

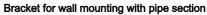
## Series EXLUX 6009/1 Version IIC

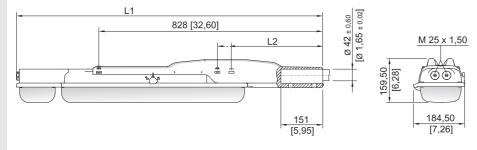


### Dimensional drawings for assembly parts and accessories (all dimensions in mm [inches]) – Subject to alterations



## Wall mounting bracket fitted in mounting rail





Dimensions	Luminaire					
	28 W	52 W				
L1	1135 [44.69]	1744 [68.66]				
L2	390 [15.35]	338 [13.31]				

### Linear luminaire EXLUX with pole mounting sleeve

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.

2017-10-24-EK00-III-en E2/9