Series EXLUX 6409/1





- 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	x

Explosion Protection

Explosion Frotection	
Global (IECEx)	
Gas and dust	IECEx IBE 16.0047
	Ex dc ec IIC T4 Gc
	Ex tc IIIC T100°C Dc Ex tb op is IIIC T100°C Db
Europe (ATEX)	
Gas and dust	IBExU 16 ATEX 1233
	 ⊕ II 3 D Ex tc IIIC T100°C Dc ⊕ II 2 D Ex tb op is IIIC T100°C Db
Certifications and certificates	
Certificates	IECEx, ATEX

WebCode 6409B

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

Version	Colour temperature	CRI	Power consumption	Cable entry	Order number	Art. no.	Weight
							kg
Emergency	5,000 K	≥ 80	28 W	3x M25 Plastic	6409/1282-771-7681-131-00	263323	6.500
Luminaire with LE Series 6409/1	D			3x M20 Metal	6409/1282-771-7681-232-00	263325	6.500
			52 W	3x M25 Plastic	6409/1482-771-7681-131-00	263333	9.400
				3x M20 Metal	6409/1482-771-7681-232-00	263335	9.400
	5,700 K	≥ 70	28 W	3x M25 Plastic	6409/1282-771-7681-131-01	263328	6.500
				3x M20 Metal	6409/1282-771-7681-232-01	263331	6.500
			52 W	3x M25 Plastic	6409/1482-771-7681-131-01	263337	9.400
				3x M20 Metal	6409/1482-771-7681-232-01	263339	9.400
Order Number Su	ipplement						
Through wiring	without				6.09/		
	with 6 conduc	tors			6.09/6		
Connection	Screw-type te	rminal typ	oe STAHL	1.5 6 mm ²	6.09/22		
terminal	Spring clamp terminal type WAGO 0.75 4 mm ²				6.09/1		
Cable glands	M25 hole				6.09/11		
	M20 hole				6.09/22		
	1/2" hole 3/4" hole				6.09/3		
					6.09/44		
	Number of ho	les = 1			6.09/1		
	Number of ho	les = 2			6.09/2		
	Number of ho	les = 3			6.09/3		
	Number of ho	les = 4			6.09/4		
	Insert made o	f plastic			6.09/1		
	Insert made o	f stainles	s steel		6.09/2		
	Insert made o	f stainles	s steel (se	awater resistant)	6.09/5		
Rated operating	1.5 hours				6.09/77		
time	3.0 hours				6.09/87		
	adjustable (1.	5 h or 3.0	h)		6.09/2		
Rated operating	with				6.09/7		
ime test without			6.09/28				

Lighting E2/2 2017-10-24·EK00·III·en



Technical Data

Electrical data									
Control gear	AC: 110 V	240 V ±	10 %; 50	60 Hz	:				
						09/121		6409/14	1
	Power cor	sumption [/ /]		28			52	
	Voltage [V]			230)	110	230	110
	Frequency	/ [Hz]			50		60	50	60
	Power fac	tor			≥ 0	.90	≥ 0.98	≥ 0.95	≥ 0.99
	THD [%]	THD [%]				2.5	≤ 12.5	≤ 7	≤ 8
	Typ. rated	Typ. rated operational current [A]							
	LEDs off, I	LEDs off, battery conservation mode				5	0.05	0.05	0.05
	LEDs on, I	LEDs on, battery conservation mode				4	0.26	0.24	0.48
	LEDs off, I	LEDs off, battery charging mode				6	0.08	0.06	0.08
	LEDs on, I	LEDs on, battery charging mode				4	0.28	0.24	0.50
Inrush current		I _{peak} = 63 A; Δt = 115 μs maximum number of luminaires per m					breaker at 23	0 V:	
	Туре	10 A	16 A	20 A		25 A			
	В	7	12	15		18			
	С	12	20	25		31			
	К	25	40	50		62			

Luminous characteristics

	6409/1200	6409/1400	6409/1201	6409/1401
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. 3,100	typ. 6,200	typ. 3,400	typ. 6,800
Luminaire efficacy [lm/W]	typ. 111	typ. 119	typ. 121	typ. 131
with diffuser				
Luminous flux [lm]	typ. 2,550	typ. 5,100	typ. 2,800	typ. 5,600
Luminaire efficacy [lm/W] Values apply to T_a = +25 °C.	typ. 91	typ. 98	typ. 100	typ. 108

Lighting E2/3 2017-10-24·EK00·III·en

Technical Data

Luminous characteristics	Luminous	flux decline	e vs. ambier	t temperatu	ıre:					
	115 %									
	100 %									
	85 %							2	28 W Version	
	70.0/									
	70 %									
	55 %			52 W	Version					
	40 %									
	25 %	30 °C	35 °C	40 °C	45	°C 5	0 °C	55 °C	60 °C	
Opender life		-						-		
Service life Service life			T _a ≤ 25	: °C	T . 4	5 °C	_T ,	60 °C		
COLVICE IIIC	L ₇₀ B ₁₀ C ₁₀		1 _a ≤ 25		T _a ≤ 45 °C 90,000 h			50,000 h		
Ambient conditions Ambient temperature	Luminoumax. "y"	percent of percent of	ease to "x" p all the light f all the light f	ittings fall b ittings brea	k down		/			
Ambient temperature				hrough wiri	•	^				
	- 30 + 5 - 30 + 5			ugh wiring; ugh wiring;						
	(1) Rated of is guarent charging a outside this (2) Battery	pperating tile eed within and discharis temperatiservice life eed within	me during er an ambient t ging of the b ture range.	nergency li emperature attery. The	ght oper e range o rated o	ation of -5 °C perating tir	me migh	t be reduce	ed if used	
Mechanical data	IDOC / IDO	7 //50 005	00)							
Degree of protection Protection class		7 (IEC 605								
Impact strength (IK code) Material	I (with internal PE connection) IK10 (IEC 62262)									
Enclosure Enclosure	Polvester	resin alass	s fibre-reinfo	rced						
Colour			RAL 7035							
Translucent cover	Polycarbo									
Seal			in the lamp	cover						
Luminaire locking	Central loc	cking which	can be ope	Silicone foam gasket in the lamp cover Central locking which can be opened/closed using a socket key M8 / wrench size 13, hinged lamp						

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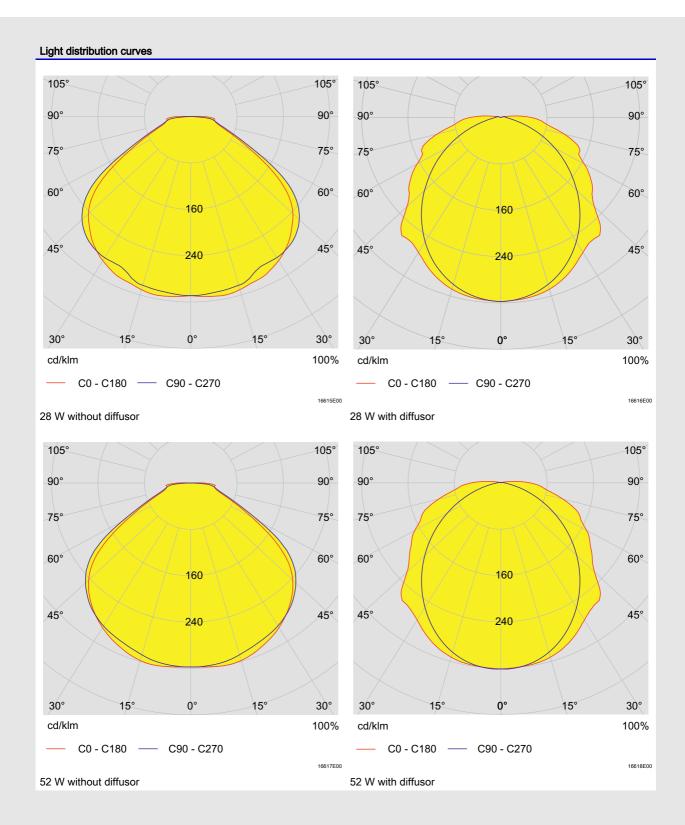


Technical Data

Mounting / Installation						
Cable glands	Standard lumina	ire				
		2 x M25 x 1.5 cable entries 2 x M25 x 1.5 stopping plu				
		2 x metal plates M20 x 1.5 Attention: cable entries mu		of PE for metal cable entries ely		
		max. 4 drilled holes for M2 max. 2 drilled holes for NP				
		Metal cable glands:	M20 x 1.5, M25 x 1.5 entries by means of r	; earthing of the metal cable netal plates		
Connection		Spring clamp terminals 6-pole: L1, L2, L3, L', N, P Clamping range: 1 x 0.75 (2 free clamping units per	4 mm ² (solid / finely	stranded)		
		Terminal block with coverii 6-pole: L1, L2, L3, L', N, P Clamping range: 2 x 1.5 stranded)	Ĕ	4 mm² (finely and extra finely		
Through wiring	Through wiring Standard luminaire Luminaires are equipped with internal through Ingoing and outgoing leads can be connected to the opposite side Terminals: see techn. data Wiring cross section: 2.5 mm² for max. 16 A.					
	without	outgoing wiring of th		entries M25 x 1.5 for ingoing and		
Assembly	Standard lumina	ire				
	Standard:	2 x M8 insert nuts in the er	nclosure			
	·		le mounting distances	ening and ceiling rails for variable for luminaires L = 700 mm:		
Control gear			•			
Emergency light mode	In case of power	r failure the LEDs are supp	lied by the battery			
Rated operating time	at optimal ambie	ent temperature of the batte	ery:			
	Battery capacity	Rated operating time	Emergency light out	put		
			28 W	52 W		
	7 Ah	1.5 h	58 %	31 %		
		3.0 h	30 %	21 %		
Switchover voltage		attery operation for U < 0.8 nains operation for U > 0.8				
Battery set						
Version	Gas-tight NiCd b	pattery				
Operating voltage	6 V					
Capacity	7 Ah					
Replacing the battery set	disconnected by	he battery enclosure, the c means of a switch. can be replaced after disco		e battery and the control gear is ontacts.		

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Series EXLUX 6409/1



E2/6 Lighting

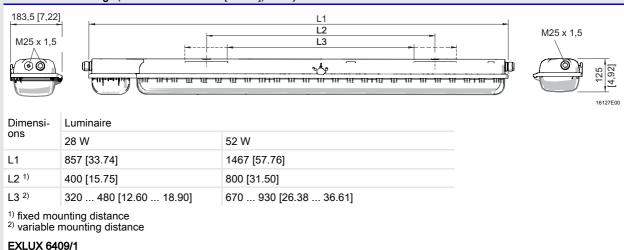


Designation	Figure	Description	Art. no.	Weight
Socket key		M8 / wrench size 13; to open/close the central locking	222430	0.210
Lamp cover	15507E00	for luminaire L=700	222427	0.639
		for luminaire L=1310	222428	1.149
		for luminaire L=700 (resistant to aromatic substances)	256534	0.639
		for luminaire 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-		1 pair	222827	1.200
mounting bracket	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 ¹ / ₂ "	222459	1.200
		R 1 ¹ / ₄ "	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		Battery cover with built-in battery. Gas-tight NiCd battery; 7 Ah / 6 V	223532	1.195

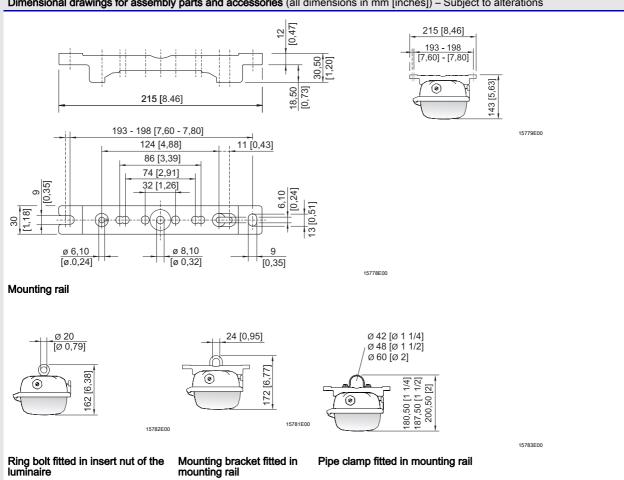
Lighting E2/7 2017-10-24·EK00·III·en

Series EXLUX 6409/1

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

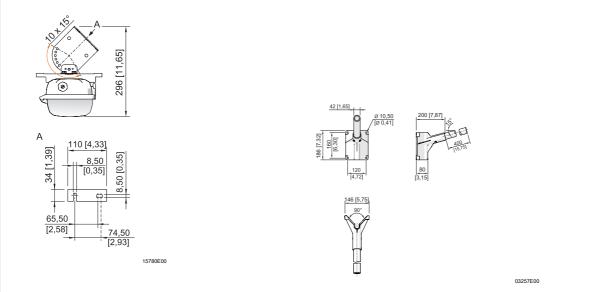


E2/8 Lighting 2017-10-24·EK00·III·en

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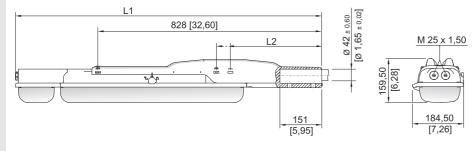


Dimensional drawings for assembly parts and accessories (all dimensions in mm [inches]) – Subject to alterations



Wall mounting bracket fitted in mounting rail

Bracket for wall mounting with pipe section



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.

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