

# Linear Luminaire with LED

## Series EXLUX 6402/2



www.stahl.de



16745E00

- > Latest LED technology with a high luminous efficacy and a long service life
- > As pendant light fitting or side entry lamp
- > Central locking
- > All-pole disconnection by means of an N/C switch when the lamp is opened (option)
- > Type of protection gas: nA (non sparking)

E2



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

### Explosion Protection

Global (IECEx)	
Gas and dust	IECEx IBE 14.0080X EX nA d op is IIC T4 Gc EX tb IIIC T100°C Db EX tc IIIC T100°C Dc
Europe (ATEX)	
Dust	IBExU14ATEX1292 Ⓜ II 2 D Ex tb IIIC T100 °C Db
Gas and dust	IBExU14ATEXB020 X Ⓜ II 3 G Ex nA d op is IIC T4 Gc E II 3 D Ex tc IIIC T100°C Dc
Certifications and certificates	
Certificates	IECEx, ATEX

**WebCode 6402B**

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### Selection Table

Version	Diffusor	Length mm	Power consumption	Cable entry	Order number	Art. no.	Weight kg
EXLUX 6402/2	with	700	28 W	M25	<b>6402/2182-5500-250</b>	<b>244216</b>	4.200
				M20	<b>6402/2182-5500-150</b>	<b>244217</b>	4.200
	1310	52 W	M25	<b>6402/2284-5500-250</b>	<b>244218</b>	6.400	
			M20	<b>6402/2284-5500-150</b>	<b>244219</b>	6.400	

**NOTE**  
The light fittings are delivered without mounting material.  
These accessories must be ordered separately!

### Technical Data

#### Electrical data

Ballast

AC: 220 ... 240 V  $\pm 10\%$ ; 50 ... 60 Hz  
DC: 200 ... 250 V  $\pm 10\%$

Inrush current

$I_{peak} = 53.5\text{ A}$ ;  $\Delta t = 124.8\ \mu\text{s}$   
maximum number of luminaires per miniature circuit breaker:

Type	10 A	16 A	20 A	25 A
<b>B</b>	8	12	16	20
<b>C</b>	13	21	27	33

Power factor

$\geq 0.93$

Degree of protection

IP66 / IP67 (IEC 60598)

Protection class

I (with internal PE connection)

Impact strength (IK code)

IK10 (IEC 62262)

Disconnection of the light

**When opening the luminaire**

Switch with safety lock (optional); when opening the central lock all poles of the voltage supply to the ballast are disconnected; contacts of the switching element are positive opening, they can only be switched on again when the luminaire trough and the central locking system are closed.

#### Luminous characteristics

Luminous flux

	<b>6402/21.2-5...0</b>	<b>6402/22.4-5...0</b>
Power consumption [W]	28	52
Colour rendering [Ra]	$\geq 80$	$\geq 80$
Colour temperature [K]	5000	5000
<b>without diffuser</b>		
Luminous flux [lm]	2919	5375
Luminaire efficiency [lm/W]	105	103
Light output ratio [%]	85	85
<b>with diffuser</b>		
Luminous flux [lm]	2558	4670
Luminaire efficiency [lm/W]	92	90
Light output ratio [%]	75	76

Values apply to  $T_a = +25\text{ }^\circ\text{C}$ .

Luminous flux decrease at  $T_a = +55\text{ }^\circ\text{C}$  to 85% of the nominal value.

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### Technical Data

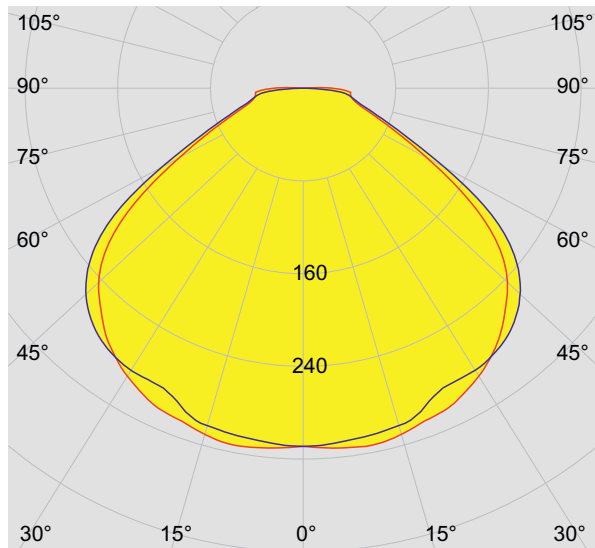
Ambient conditions				
Operating temperature range	-30 ... +55 °C			
Storage	-30 ... +75 °C			
Service life				
Service life		$T_a \leq 25\text{ °C}$	$T_a \leq 45\text{ °C}$	$T_a \leq 55\text{ °C}$
	$L_{70}B_{10}C_{10}$	100,000 h	100,000 h	50,000 h
	$L_xB_yC_z$ At the end of the service life: <ul style="list-style-type: none"> <li>• Luminous flux decrease to "x" percent</li> <li>• up to "y" percent of all luminaires fall below "x"</li> <li>• up to "z" percent of all luminaires break down completely</li> </ul>			
Mechanical data				
Material				
Enclosure				
Material	Polyester resin, glass fibre-reinforced			
Colour	colour grey, similar to RAL 7035			
Seal	Silicone foam gasket in the lamp cover			
Translucent cover	Polycarbonate			
Luminaire locking	Central locking which can be opened/closed using a socket key M8 / wrench size 13, hinged lamp cover			
Mounting / Installation				
Cable glands				
<b>Standard luminaire</b>				
	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		
	Special:	max. 4 bores for M20, M25, NPSM 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		
Connection				
	<b>Standard:</b>	Spring clamp terminals 5-pole: L1, L2, L3, N, PE (with through wiring) Clamping range: 1 x 0.75 ... 4 mm <sup>2</sup> (solid/finely stranded) (2 free clamping units for each pole available)		
	<b>Special:</b>	Terminal block with covering 5-pole: L1, L2, L3, N, PE Clamping range: 2x 0.75 ... 6 mm <sup>2</sup> (solid); 2 x 0.75 ... 4 mm <sup>2</sup> (finely and extra finely stranded)		
Through wiring				
	<b>Standard light fitting</b>	<b>with</b> Light fittings 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 mm <sup>2</sup> for max. 16 A.		
	<b>Optional</b>	<b>without</b> 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				
	<b>Standard luminaire</b>			
	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 L = 700 mm: 320 ... 480 mm; L = 1310 mm: 670 ... 930 mm)		

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### Light distribution curves

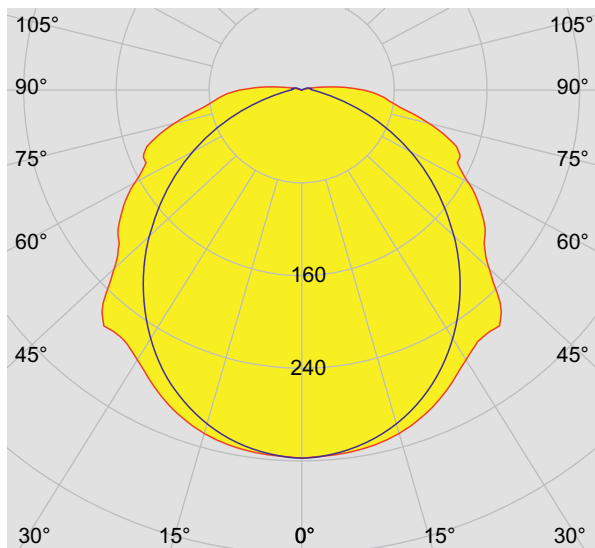


cd/klm 100%

— C0 - C180 — C90 - C270

16615E00

28 W without diffuser

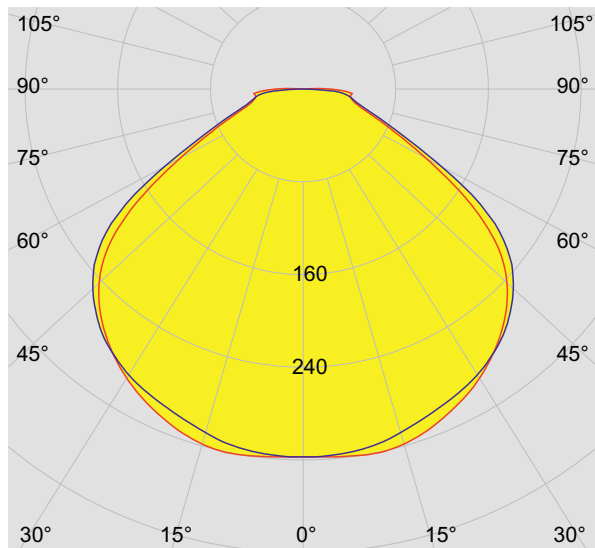


cd/klm 100%

— C0 - C180 — C90 - C270

16616E00

28 W with diffuser

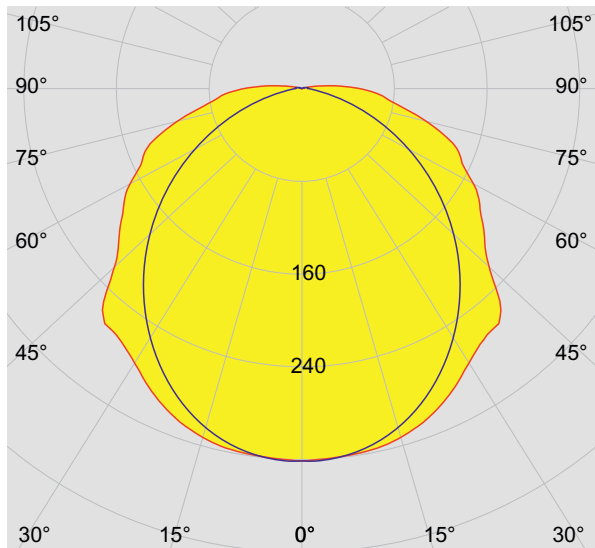


cd/klm 100%

— C0 - C180 — C90 - C270

16617E00

52 W without diffuser



cd/klm 100%

— C0 - C180 — C90 - C270

16618E00

52 W with diffuser

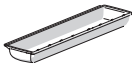
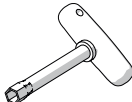

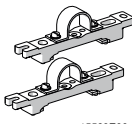
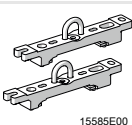
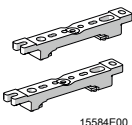
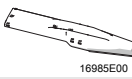
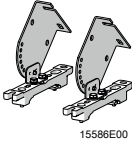
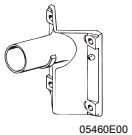
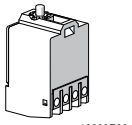
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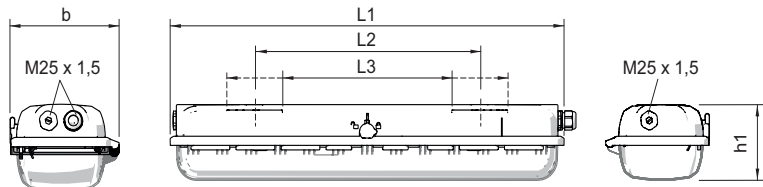
#### Accessories and Spare Parts

Designation	Figure	Description	Art. no.	Weight kg	
Lamp cover		for luminaire L=700	<b>222427</b>	0.639	
		for luminaire L=1310	<b>222428</b>	1.149	
Socket key	 15507E00	M8 / wrench size 13; to open/close the central locking	<b>222430</b>	0.210	
Ring bolt	 05378E00	M8, direct mounting in insert nuts	1 pair	<b>115736</b>	0.112
Pipe clamp	 15583E00	R 1 1/2"	<b>222459</b>	1.200	
		R 1 1/4"	<b>222458</b>	1.250	
		R 2"	<b>222460</b>	1.300	
		with mounting rail for a variable mounting distance; Material: stainless steel	1 pair		
Mounting bracket	 15585E00	mounting clamp mounted on a mounting rail for a variable mounting distance	1 pair	<b>222456</b>	0.400
Mounting rail	 15584E00	for a variable mounting distance	1 pair	<b>222826</b>	0.300
Pole mounting sleeve	 16985E00	for the subsequent mounting on lights 18 W and 36 W, completely with assembly parts	<b>227512</b>	3.200	
Ceiling and wall-mounting bracket	 15586E00	mounted on a mounting rail for a variable mounting distance; Material: stainless steel Lamp can be swiveled in steps of 15°	1 pair	<b>222827</b>	2.400
Bracket for wall mounting with tube	 05460E00	for side entry lamp; with tube, length 400 mm, $\varnothing$ 42 mm	<b>108947</b>	2.480	
Switch	 10809E00	Switching element 8080/1-3-L, 2 normally closed contacts	<b>132527</b>	0.026	

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### Dimensional Drawings (All Dimensions in mm [inches]) - Subject to Alterations



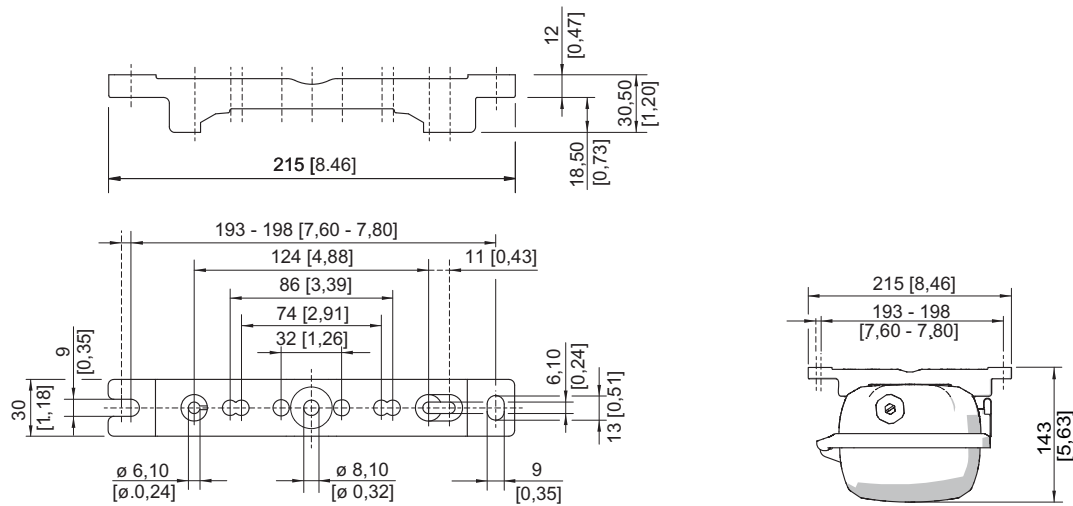
15440E00

Di- men- sions	Luminaire	
	28 W	52 W
L1	700 [27.56]	1310 [51.57]
L2 <sup>1)</sup>	400 [15.75]	800 [31.50]
L3 <sup>2)</sup>	320 ... 480 [12.60 ... 18.90]	670 ... 930 [26.38 ... 36.61]
b	184 [7.24]	184 [7.24]
h1	125 [4.92]	125 [4.92]

<sup>1)</sup> fixed mounting distance <sup>2)</sup> variable mounting distance

### EXLUX 6402 Standard luminaire

### Dimensional Drawings for Assembly Parts and Accessories (All Dimensions in mm [inches]) - Subject to Alterations



15778E00

15779E00

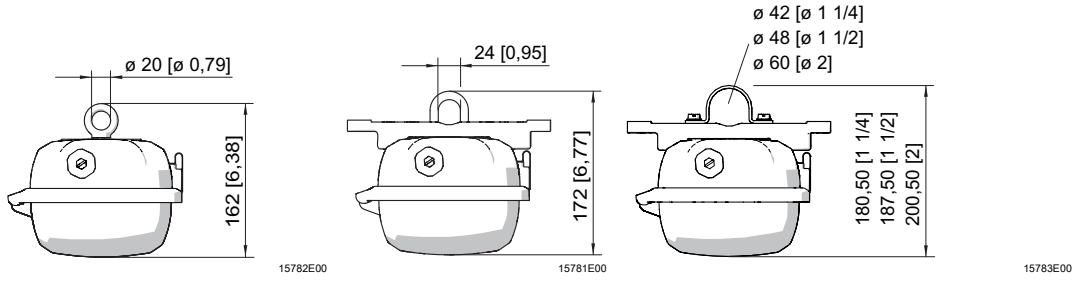
### Mounting rail

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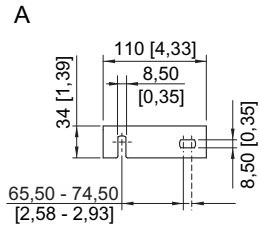
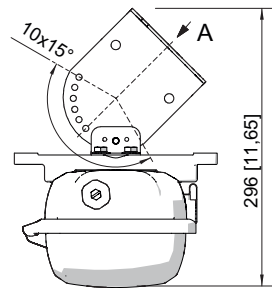
### Dimensional Drawings for Assembly Parts and Accessories (All Dimensions in mm [inches]) - Subject to Alterations



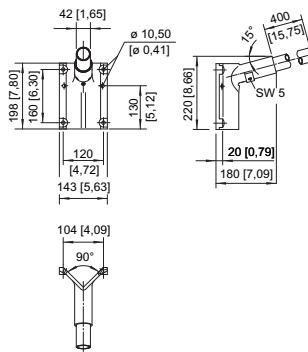
Ring bolt fitted in insert nut of the luminaire

Mounting bracket fitted in mounting rail

Pipe clamp fitted in mounting rail



Wall mounting bracket fitted in mounting rail



Bracket for wall mounting with pipe section

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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Representante oficial de:



[Argentina – Uruguay – Paraguay – Bolivia – Ecuador.]



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