

# EXLUX Linear Luminaire with LED

## Series 6002/4

STAHL



- The latest LED technology with a high luminous efficacy and a long service life
- Extremely high luminaire efficacy
- Luminous flux after 100,000 h still 90% of the starting luminous flux
- Optionally with DALI for controlling and monitoring the luminaire
- Optionally addressable for direct actuation of a common battery system

E2

WebCode 6002D



The linear luminaire with Series 6002/4 LED is ideal for lighting surfaces at a mounting height of up to 10 m. It can also be used to illuminate equipment and objects, both inside and outside. The pole mounting sleeve accessory can be used to easily mount the luminaire on poles. Optionally, the luminaire can be equipped with addressable equipment. It can be used to control and monitor the luminaire for the common battery systems.

	IECEX / ATEX					
Zone	0	1	2	20	21	22
Installation in		•	•		•	•

Selection Table									
Size			2						
Translucent cover			Clear						
Light distribution			120°x120° with diffusing glass						
Lamp wattage			22 W						
Luminous flux			2910 lm						
Luminaire efficacy			132 lm/W						
Product variant	Drilled holes	Disconnection of the luminaire	Light colour	Threaded plate	Cable glands and entries	Stopping plugs	Product Type	Art. No.	Weight
Interfaces DALI	3 x M25	No	5000 K – neutral white	2x plastic	2 x M25 Ø 7 – 17 mm	2 x M25 x 1.5	6002/4128-0110-172-1110-11-8500	272391	4.45 kg
standard	3 x M20	No	5000 K – neutral white	2x SS430 stainless steel	Can be ordered as accessories	Can be ordered as accessories	6002/4128-0100-152-2220-22-8500	267067	4.4 kg
	3 x M25	No	5000 K – neutral white	2x plastic	2 x M25 Ø 7 – 17 mm	2 x M25 x 1.5	6002/4128-0100-152-1110-11-8500	267058	4.45 kg
with address module	3 x M25	No	5000 K – neutral white	2x plastic	2 x M25 Ø 7 – 17 mm	2 x M25 x 1.5	6002/4128-0130-152-1110-11-8500	275740	4.5 kg
Size			2						
Translucent cover			Translucent						
Light distribution			120°x120°						
Lamp wattage			22 W						
Luminous flux			2550 lm						
Luminaire efficacy			116 lm/W						
Product variant	Drilled holes	Disconnection of the luminaire	Light colour	Threaded plate	Cable glands and entries	Stopping plugs	Product Type	Art. No.	Weight
standard	3 x M20	No	5000 K – neutral white	2x SS430 stainless steel	Can be ordered as accessories	Can be ordered as accessories	6002/4124-0100-152-2220-22-8500S	285108	4.35 kg
	3 x M25	No	5000 K – neutral white	2x plastic	2 x M25 Ø 7 – 17 mm	2 x M25 x 1.5	6002/4124-0100-152-1110-11-8500S	285105	4.4 kg

Selection Table									
Size		4							
Translucent cover		Clear							
Light distribution		120°x120° with diffusing glass							
Lamp wattage		42 W							
Luminous flux		5810 lm							
Luminaire efficacy		138 lm/W							
Product variant	Drilled holes	Disconnection of the luminaire	Light colour	Threaded plate	Cable glands and entries	Stopping plugs	Product Type	Art. No.	Weight
Interfaces DALI	3 x M20	No	5000 K – neutral white	2x SS430 stainless steel	Can be ordered as accessories	Can be ordered as accessories	6002/4148-0110-172-2220-22-8500	274963	6.9 kg
	3 x M25	No	5000 K – neutral white	2x plastic	2 x M25 Ø 7 – 17 mm	2 x M25 x 1.5	6002/4148-0110-172-1110-11-8500	267087	6.9 kg
standard	3 x M20	No	5000 K – neutral white	2x SS430 stainless steel	Can be ordered as accessories	Can be ordered as accessories	6002/4148-0100-152-2220-22-8500	267077	6.9 kg
	3 x M25	No	5000 K – neutral white	2x plastic	2 x M25 Ø 7 – 17 mm	2 x M25 x 1.5	6002/4148-0100-152-1110-11-8500	267074	6.9 kg
with address module	3 x M20	No	5000 K – neutral white	2x SS430 stainless steel	Can be ordered as accessories	Can be ordered as accessories	6002/4148-0130-152-2220-22-8500	277241	6.9 kg
	3 x M25	No	5000 K – neutral white	2x plastic	2 x M25 Ø 7 – 17 mm	2 x M25 x 1.5	6002/4148-0130-152-1110-11-8500	275741	6.9 kg
Size		4							
Translucent cover		Translucent							
Light distribution		120°x120°							
Lamp wattage		42 W							
Luminous flux		5100 lm							
Luminaire efficacy		121 lm/W							
Product variant	Drilled holes	Disconnection of the luminaire	Light colour	Threaded plate	Cable glands and entries	Stopping plugs	Product Type	Art. No.	Weight
standard	3 x M20	No	5000 K – neutral white	2x SS430 stainless steel	Can be ordered as accessories	Can be ordered as accessories	6002/4144-0100-152-2220-22-8500	285109	6.85 kg
	3 x M25	No	5000 K – neutral white	2x plastic	2 x M25 Ø 7 – 17 mm	2 x M25 x 1.5	6002/4144-0100-152-1110-11-8500	285106	6.85 kg
Size		6							
Translucent cover		Clear							
Light distribution		120°x120° with diffusing glass							
Lamp wattage		50 W							
Luminous flux		6960 lm							
Luminaire efficacy		139 lm/W							
Product variant	Drilled holes	Disconnection of the luminaire	Light colour	Threaded plate	Cable glands and entries	Stopping plugs	Product Type	Art. No.	Weight
standard	3 x M20	No	5000 K – neutral white	2x SS430 stainless steel	Can be ordered as accessories	Can be ordered as accessories	6002/4168-0200-152-2220-22-8500	278346	8 kg
	3 x M25	No	5000 K – neutral white	2x plastic	2 x M25 Ø 7 – 17 mm	2 x M25 x 1.5	6002/4168-0200-152-1110-11-8500	278349	8 kg

**Variants with 2 x threaded plate plastic and 3 x drilled holes M25:**

Cable glands 2 x M25 Ø 7 -17 mm and 2 x stopping plugs M 25 x 1,5 are included loose with the product (installation required). Threaded plate included.

**Variants with 2 x threaded plate stainless steel SS430 and 3 x drilled holes M20:**

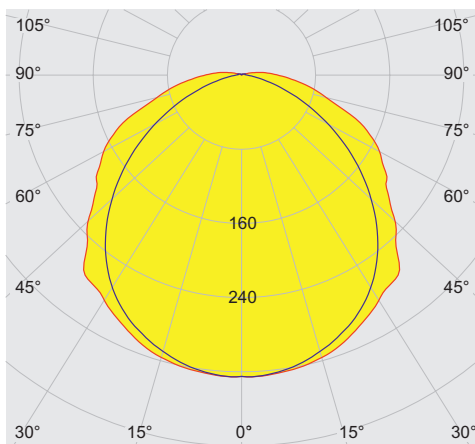
Cable glands and stopping plugs can be ordered as accessories. Threaded plate included.

The light fittings are supplied without mounting material.

Technical Data		
Variant	standard / product variant "-"	with address module
Explosion Protection		
IECEX gas explosion protection	Ex db eb ip op is IIC T4 Gb	Ex db eb ip op is IIC T4 Gb
IECEX dust explosion protection	Ex tb op is IIIC T100 °C Db	Ex tb op is IIIC T100 °C Db
ATEX gas explosion protection	Ⓜ II 2 G Ex db eb ip op is IIC T4 Gb	Ⓜ II 2 G Ex db eb ip op is IIC T4 Gb
ATEX dust explosion protection	Ⓜ II 2 D Ex tb op is IIIC T100 °C Db	Ⓜ II 2 D Ex tb op is IIIC T100 °C Db
Certificates	ATEX (IBE), IECEX (IBE), India (PESO)	ATEX (IBE), IECEX (IBE), India (PESO)
Ship approval	DNV	DNV

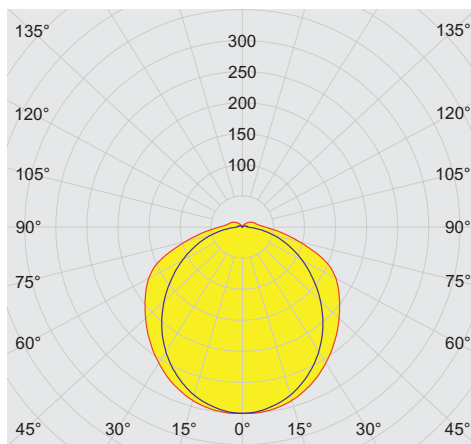
Technical Data		
Variant	standard / product variant "-"	with address module
<b>Electrical Data</b>		
Rated operational voltage AC	100 – 240 V	220 – 240 V
Rated operational voltage DC	110 – 250 V	194 – 250 V
Frequency range	50 – 60 Hz	50 Hz
<b>Ambient Conditions</b>		
Ambient temperature	-40 °C ... +50 °C Note: Through wiring Max. 3x16 A -40 °C ... +60 °C Note: Through wiring 2 Max. 3x10 A	-30 °C ... +50 °C Note: Through wiring Max. 3x16 A -30 °C ... +60 °C Note: Through wiring 2 Max. 3x10 A
<b>Lighting Data</b>		
Number of lamps	1	1
Lamp	LED	LED
Colour rendering	≥ 80	≥ 80
Colour temperature	5000 K	5000 K
<b>Mechanical Data</b>		
Impact strength (IEC 62262)	IK10	IK10
IP degree of protection (IEC 60598)	IP66/IP67	IP66/IP67
Enclosure colour	Light grey (RAL 7035)	Light grey (RAL 7035)
Enclosure material	Polyester resin, Glass fibre reinforced	Polyester resin, Glass fibre reinforced
Diffuser	Without diffuser	With diffuser
Sealing material	Silicone	Silicone
Max. solid connection terminals	6 mm <sup>2</sup>	6 mm <sup>2</sup>
Max. finely stranded connection terminals	4 mm <sup>2</sup>	4 mm <sup>2</sup>
Type of connection cable	Finely stranded Solid	Finely stranded Solid
Notes	Connection terminals: Spring clamp terminal (2 free clamping units per pole)	
<b>Components</b>		
Ballast	6045/311-120-10	6045/312-122-10
Through wiring	With 5 conductors 2.5 mm <sup>2</sup>	With 5 conductors 2.5 mm <sup>2</sup>
Cable entry material	Polyamide, black	Polyamide, black
Stopping plug material	Polyamide, black	Polyamide, black

### Light Distribution Curves – Subject to Alterations



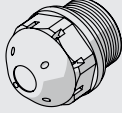
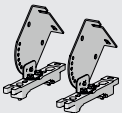

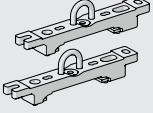
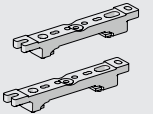
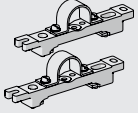


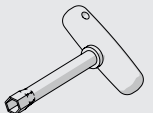
cd/klm 100%  
— C0 - C180 — C90 - C270

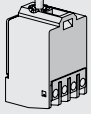

typical with diffuser, clear translucent cover



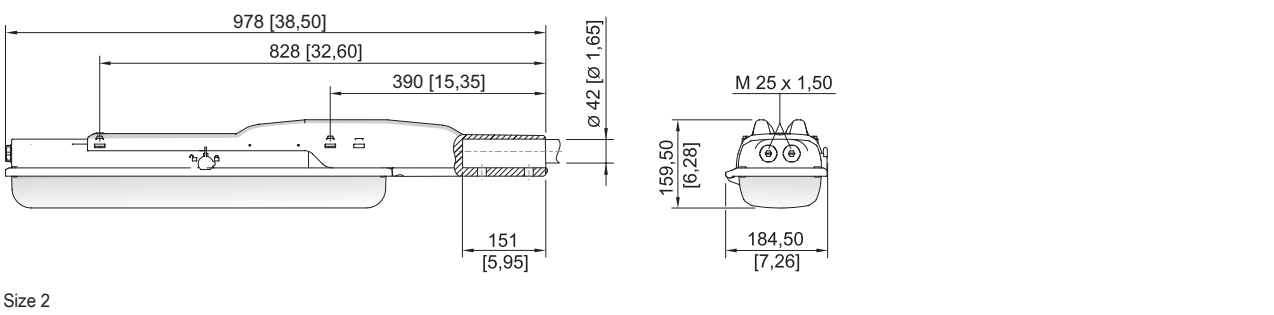
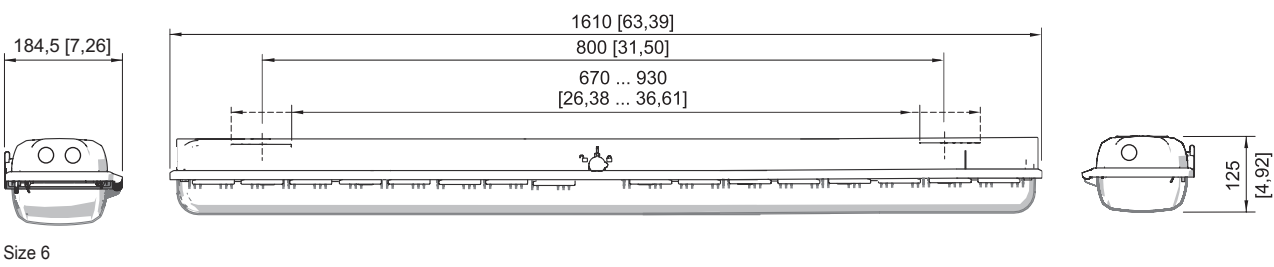
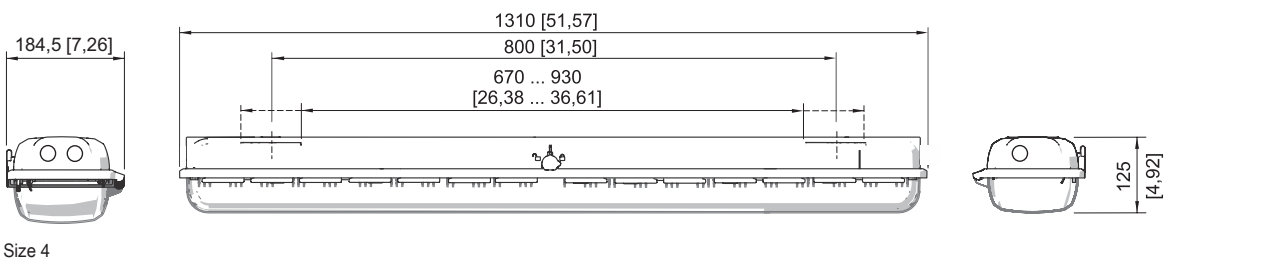
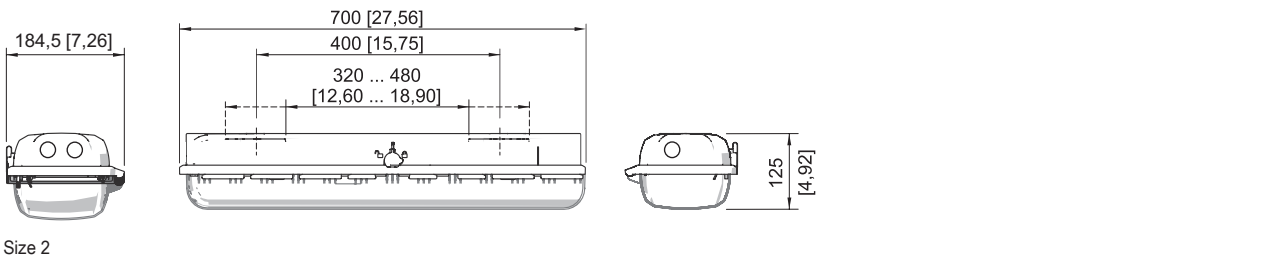
cd/klm 100%  
— C0 - C180 — C90 - C270

typical without diffuser, diffuse translucent cover

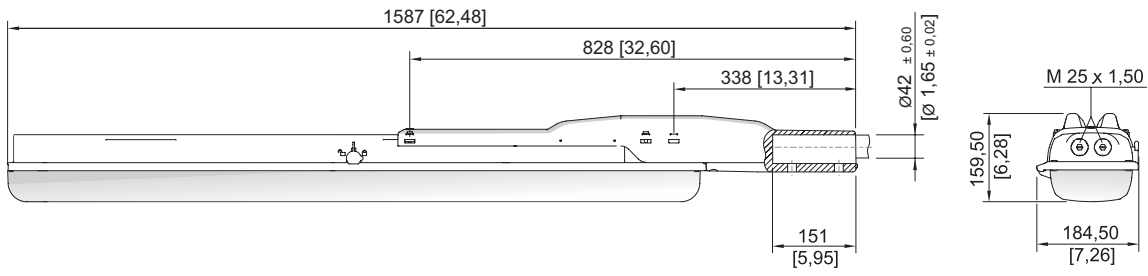
Accessories			
Figure	Description	Art. No.	Weight
<b>Breather</b>			
	Thread: M25 x 1.5; 20 pc; without counter nut	285780	200 g
	Thread: M25 x 1.5; 1 pc; for installation in lights; in moulded material; without counter nut	138573	10 g
<b>Ceiling and wall mounting bracket</b>			
	mounted on a mounting rail for a variable mounting distance; Material: stainless steel; Lamp can be swiveled in steps of 15°; 1 pair	222827	1.2 kg
<b>Cover</b>			
	for luminaire size 2 (diffuse), the visibility of the indicator LED may be restricted when used on a single supplied emergency luminaire	276669	1 kg
	for luminaire size 4 (diffuse), the visibility of the indicator LED may be restricted when used on a single supplied emergency luminaire	276670	1.2 kg
<b>Mounting bracket</b>			
	mounting clamp mounted on a mounting rail for a variable mounting distance; 1 pair	222456	400 g
<b>Mounting rail</b>			
	for a variable mounting distance; 1 pair	222826	350 g
<b>Pipe clamp</b>			
	R 1 1/2"; with mounting rail for a variable mounting distance; material: stainless steel; 1 pair	222459	700 g
	R 1 1/4"; with mounting rail for a variable mounting distance; Material: stainless steel; 1 pair	222458	700 g
	R 2"; with mounting rail for a variable mounting distance; Material: stainless steel; 1 pair	222460	750 g
<b>Pole mounting sleeve</b>			
	for the subsequent mounting on lights size 2 and size 4, completely with assembly parts (for pipe diameter 42 mm)	227512	3.2 kg
<b>Ring bolt</b>			
	M8, direct mounting in insert nuts; 1 pair	115736	115 g
<b>Socket key</b>			
	M8 / wrench size 13; to open/close the central locking	222430	110 g

Spare Parts			
Figure	Description	Art. No.	Weight
<b>Contact element</b>			
	8080/1-3-L 2 NC contact element	132527	26 g
<b>Cover</b>			
	for luminaire size 4	222428	1.15 kg
	for luminaire size 2	222427	639 g

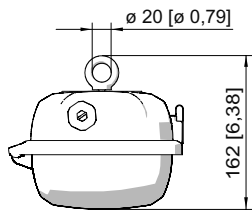
**Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations**



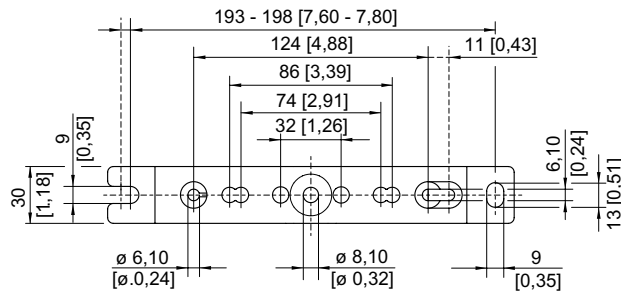
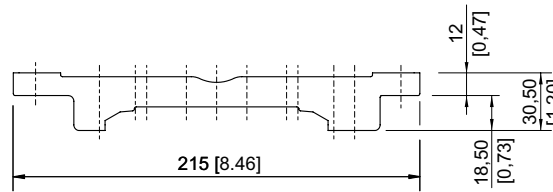
E2



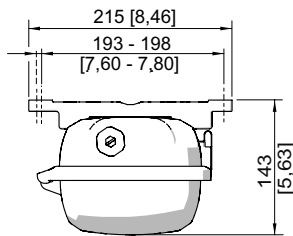
Size 4



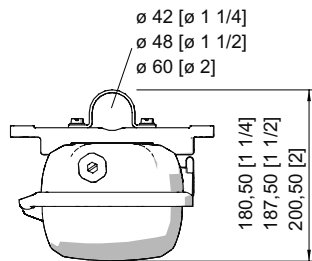
Ring bolt fitted in insert nut of the luminaire



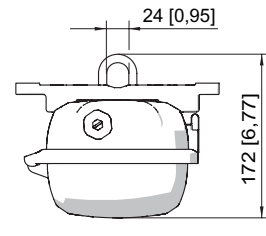
Mounting rail



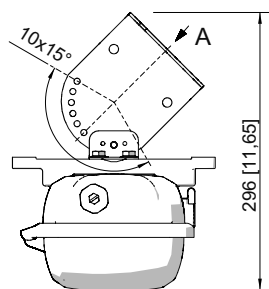
Mounting rail



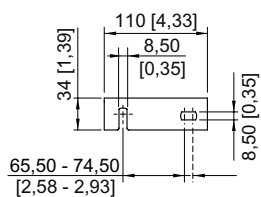
Pipe clamp fitted in mounting rail



Mounting bracket fitted in mounting rail



A



Wall mounting bracket fitted in mounting rail

### Inrush current

$I_{peak} = 51 \text{ A}$ ;  $\Delta t = 127 \mu\text{s}$

Maximum number of luminaires per miniature circuit breaker:

Type	10 A	16 A	20 A	25 A
B	12	19	24	31
C	20	33	41	51
K	41	66	82	103

typical value for 1-pole miniature circuit breaker at +25 °C and nominal voltage 230 V AC; the exact number depends on the miniature circuit breaker used