- State-of-the-art LED technology with high luminous efficacy and 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 with address modules for directly actuation of a common battery system

WebCode 6402C

The linear luminaire with Series 6402/4 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 an address module. 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

Design 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

Drilled holes	Threaded plate	Cable entries	Stopping plug	Product variant	Product Type	Art. No.
3 x M20	2x SS430 stainless steel	Can be ordered as accessories	Can be ordered as accessories	standard	6402/4128-6100-152-2220-22-8500	271908
3 x M25	2x plastic	2 x M25 Ø 7 – 17 mm	2 x M25 x 1.5	standard	6402/4128-6100-152-1110-11-8500	267040 ▲
		2 x M25 Ø 7 – 17 mm	2 x M25 x 1.5	Interfaces DALI	6402/4128-6110-172-1110-11-8500	270850
		2 x M25 Ø 7 – 17 mm	2 x M25 x 1.5	with address module	6402/4128-6120-152-1110-11-8500	267039

Design size	2
Translucent cover	diffuse
Light distribution	120°x120°
Lamp wattage	22 W
Luminous flux	3230 lm
Luminaire efficacy	132 lm/W

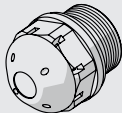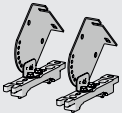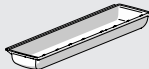| Drilled holes	Threaded plate	Cable entries	Stopping plug	Product variant	Product Type	Art. No.
3 x M20	2x SS430 stainless steel	Can be ordered as accessories	Can be ordered as accessories	standard	6402/4124-6100-152-2220-22-850S	285113
3 x M25	2x plastic	2 x M25 Ø 7 – 17 mm	2 x M25 x 1.5	standard	6402/4124-6100-152-1110-11-850S	285111
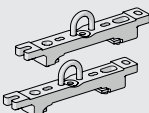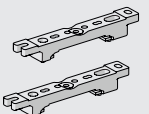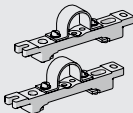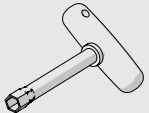
1

Linear Luminaire with LED EXLUX
Series 6402/4

Selection Table

Design 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				

Drilled holes	Threaded plate	Cable entries	Stopping plug	Product variant	Product Type	Art. No.
3 x M20	2x SS430 stainless steel	Can be ordered as accessories	Can be ordered as accessories	standard	6402/4148-6100-152-2220-22-8500	267055
3 x M25	2x plastic	2 x M25 Ø 7 – 17 mm	2 x M25 x 1.5	standard	6402/4148-6100-152-1110-11-8500	267054 ▲
		2 x M25 Ø 7 – 17 mm	2 x M25 x 1.5	Interfaces DALI	6402/4148-6110-172-1110-11-8500	271475
		2 x M25 Ø 7 – 17 mm	2 x M25 x 1.5	with address module	6402/4148-6120-152-1110-11-8500	267057

Design size		4				
Translucent cover		diffuse				
Light distribution		120°x120°				
Lamp wattage		42 W				
Luminous flux		6460 lm				
Luminaire efficacy		138 lm/W				

Drilled holes	Threaded plate	Cable entries	Stopping plug	Product variant	Product Type	Art. No.
3 x M20	2x SS430 stainless steel	Can be ordered as accessories	Can be ordered as accessories	standard	6402/4144-6100-152-2220-22-850S	285114
3 x M25	2x plastic	2 x M25 Ø 7 – 17 mm	2 x M25 x 1.5	standard	6402/4144-6100-152-1110-11-850S	285112

Design 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				

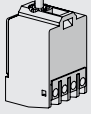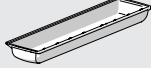| Drilled holes	Threaded plate	Cable entries	Stopping plug	Product variant	Product Type	Art. No.
3 x M20	2x SS430 stainless steel	Can be ordered as accessories	Can be ordered as accessories	standard	6402/4168-6200-152-2220-22-8500	276354
3 x M25	2x plastic	2 x M25 Ø 7 – 17 mm	2 x M25 x 1.5	standard	6402/4168-6200-152-1110-11-8500	276351 ▲

Cable entries and stopping plugs made from moulded material are included loose with the product (installation required).
Threaded plate included.

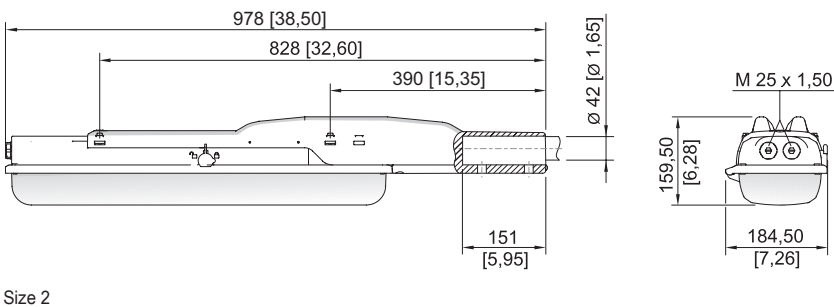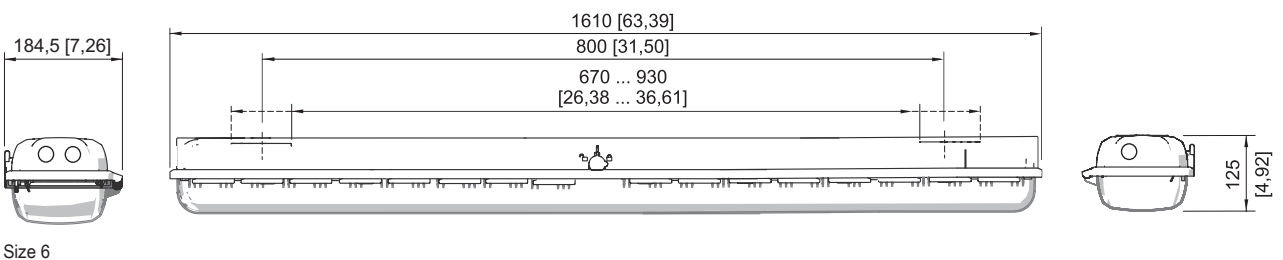The light fittings are supplied without mounting material.

Technical Data

Variant	standard	Interfaces DALI	with address module
Explosion Protection			
IECEx gas explosion protection	Ex ec IIC T4 Gc	Ex ec IIC T4 Gc	Ex ec nC IIC T4 Gc
IECEx dust explosion protection	Ex tb op is / tc IIIC T100 °C Db	Ex tb op is / tc IIIC T100 °C Db	Ex tb op is / tc IIIC T100 °C Db
ATEX gas explosion protection	Ⓔ II 3 G Ex ec IIC T4 Gc	Ⓔ II 3 G Ex ec IIC T4 Gc	Ⓔ II 3 G Ex ec nC IIC T4 Gc
ATEX dust explosion protection	Ⓔ II 2 D Ex tb op is ... tc IIIC T100 °C Db	Ⓔ II 2 D Ex tb op is ... tc IIIC T100 °C Db	Ⓔ II 2 D Ex tb op is ... tc IIIC T100 °C Db
Certificates	ATEX (IBE), IECEx (IBE), India (PESO), Japan (CML)	ATEX (IBE), IECEx (IBE), India (PESO), Japan (CML)	ATEX (IBE), IECEx (IBE), India (PESO), Japan (CML)
Electrical Data			
Rated operational voltage AC	100 – 240 V	100 – 240 V	220 – 230 V
Frequency range	50 – 60 Hz	50 – 60 Hz	50 Hz
Rated operational voltage DC	110 – 250 V	110 – 250 V	194 – 250 V
Ambient Conditions			
Ambient temperature	-40 °C ... +55 °C (T100 °C) Note: Through wiring max. 3x16 A -40 °C ... +60 °C (T100 °C) Note: Through wiring 2 max. 3x10 A	-40 °C ... +55 °C (T100 °C) Note: Through wiring max. 3x16 A -40 °C ... +60 °C (T100 °C) Note: Through wiring 2 max. 3x10 A	-30 °C ... +45 °C (T100 °C) Note: Through wiring max. 3x16 A -30 °C ... +50 °C (T100 °C) Note: Through wiring 2 max. 3x10 A

▲ Preferred products – in stock or available at short notice

Technical Data

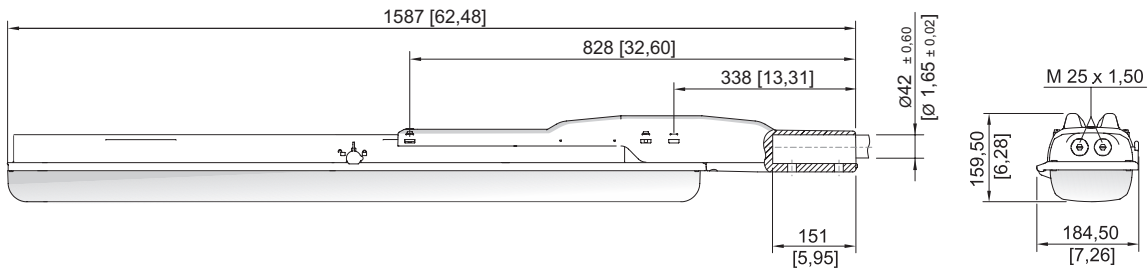| Variant	standard	Interfaces DALI	with address module
Lighting Data			
Number of lamps	1	1	1
Lamp	LED	LED	LED
Light colour	Neutral white	Neutral white	Neutral white
Colour rendering	≥ 80	≥ 80	≥ 80
Colour temperature	5000 K	5000 K	5000 K
Notes	warm white: 4000 K neutral white: 5000 K		
Mechanical Data			
Impact strength (IEC 62262)	IK10	IK10	IK10
Degree of protection IP (IEC 60598)	IP66/IP67	IP66/IP67	IP66/IP67
Enclosure colour	Light grey (RAL 7035)	Light grey (RAL 7035)	Light grey (RAL 7035)
Enclosure material	Polyester resin, Glass fibre reinforced	Polyester resin, Glass fibre reinforced	Polyester resin, Glass fibre reinforced
Diffuser	With diffuser	With diffuser	With diffuser
Sealing material	Silicone	Silicone	Silicone
Connection terminals solid max.	6 mm²	6 mm²	6 mm²
Connection terminals finely-stranded max.	4 mm²	4 mm²	4 mm²
Type of connection cable	Finely stranded Solid	Finely stranded Solid	Finely stranded Solid
Notes	Connection terminals: Spring clamp terminal (2 free clamping units per pole)		
Components			
Address module			UNI Modul ADR 20-ILS-Z2
Ballast	VG Luxtronic 40 W 300 mA	VG Luxtronic 40 W 300 mA	VG Luxtronic 40 W 300 mA
Through wiring	With 5 conductors 2.5 mm²	With 7 conductors 2.5 mm²	With 5 conductors 2.5 mm²
Material cable gland	Polyamide, black	Polyamide, black	Polyamide, black
Stopping plug material	Polyamide, black	Polyamide, black	Polyamide, black

Light Distribution Curves – Subject to Alterations

cd/klm   100%

—— C0 - C180   —— C90 - C270

typical with diffusor, clear translucent cover

E2

Accessories			
Figure	Description	Art. No.	Weight kg
Breather			
	Thread: M25 x 1.5; 1 pc; for installation in lights; in moulded material; without counter nut	138573 ▲	0.010
	Thread: M25 x 1.5; 20 pc; for installation in lights; in moulded material; without counter nut	138576 ▲	0.200
Ceiling and wall mounting bracket			
	mounted on a mounting rail for a variable mounting distance; Material: stainless steel; Lamp can be swiveled in steps of 15°; 1 pair	222827 ▲	1.200
Cover			
	for luminaire size 2 (diffuse), the visibility of the indicator LED may be restricted when used on a single supplied emergency luminaire	276669	1.000
	for luminaire size 4 (diffuse), the visibility of the indicator LED may be restricted when used on a single supplied emergency luminaire	276670	1.200
Mounting bracket			
	mounting clamp mounted on a mounting rail for a variable mounting distance; 1 pair	222456 ▲	0.400
Mounting rail			
	for a variable mounting distance; 1 pair	222826 ▲	0.350
Pipe clamp			
	R 1 1/2"; with mounting rail for a variable mounting distance; Material: stainless steel; 1 pair	222459 ▲	0.800
	R 1 1/4"; with mounting rail for a variable mounting distance; Material: stainless steel; 1 pair	222458 ▲	0.700
	R 2"; with mounting rail for a variable mounting distance; Material: stainless steel; 1 pair	222460 ▲	0.750
Pole mounting sleeve			
	for the subsequent mounting on lights size 2 and size 4, completely with assembly parts (for pipe diameter 42 mm)	227512	3.200
Ring bolt			
	M8, direct mounting in insert nuts; 1 pair	115736 ▲	0.115
Socket key			
	M8 / wrench size 13; to open/close the central locking	222430 ▲	0.110

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Spare Parts

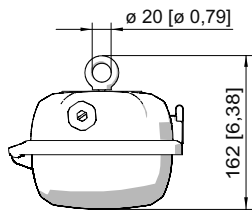| Figure	Description	Art. No.	Weight kg
Contact element			
	8080/1-3-L 2 NC contact element	132527	0.026
Cover			
	for luminaire size 4	222428	1.149
	for luminaire size 6	222429	1.450
	for luminaire size 2	222427	0.639

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

184,5 [7,26]

700 [27,56]
400 [15,75]
320 ... 480 [12,60 ... 18,90]

125 [4,92]

Size 2

184,5 [7,26]

1310 [51,57]
800 [31,50]
670 ... 930 [26,38 ... 36,61]

125 [4,92]

Size 4

184,5 [7,26]

1610 [63,39]
800 [31,50]
670 ... 930 [26,38 ... 36,61]

125 [4,92]

Size 6

978 [38,50]
828 [32,60]
390 [15,35]
Ø 42 [Ø 1,65]

M 25 x 1,50

159,50 [6,28]

151 [5,95]

184,50 [7,26]

Size 2

5

1587 [62,48]

828 [32,60]

338 [13,31]

Ø42 ± 0,60
[Ø 1,65 ± 0,02]

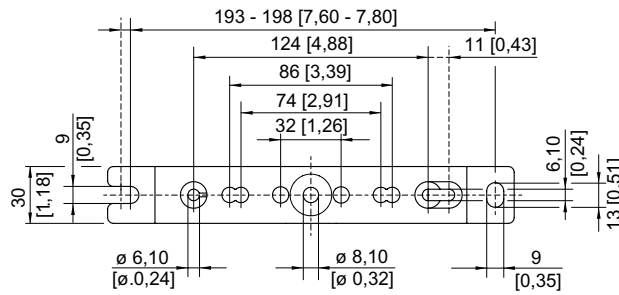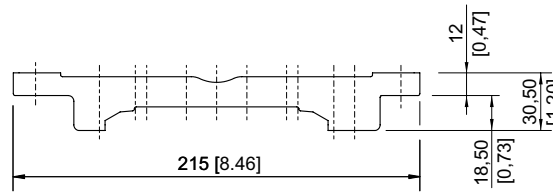M 25 x 1,50

159,50 [6,28]

184,50 [7,26]

151 [5,95]

Size 4
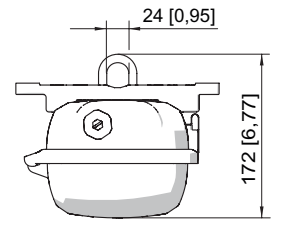
ø 20 [ø 0,79]

162 [6,38]
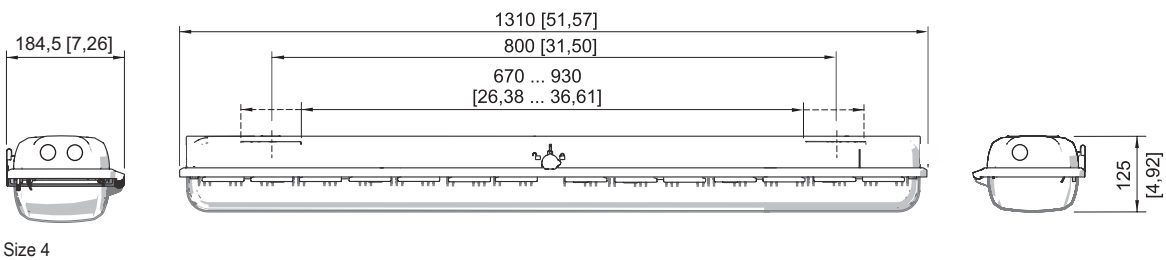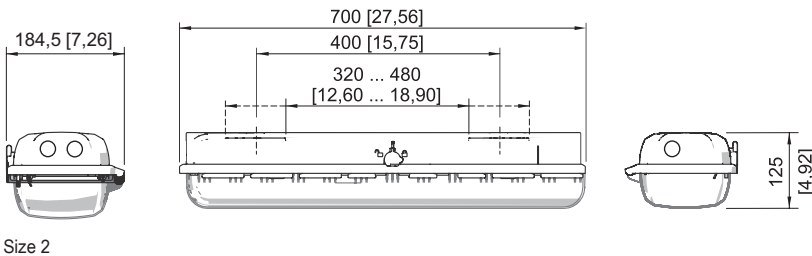
Ring bolt fitted in insert nut of the luminaire

12 [0,47]

30,50 [1,20]

18,50 [0,73]

215 [8.46]

193 - 198 [7,60 - 7,80]

124 [4,88]

86 [3,39]

74 [2,91]

32 [1,26]

11 [0,43]

9 [0,35]

30 [1,18]

6,10 [0,24]

13 [0,51]

ø 6,10 [ø.0,24]

ø 8,10 [ø 0,32]

9 [0,35]

Mounting rail

215 [8,46]

193 - 198 [7,60 - 7,80]

143 [5,63]

Mounting rail

ø 42 [ø 1 1/4]
ø 48 [ø 1 1/2]
ø 60 [ø 2]

180,50 [1 1/4]
187,50 [1 1/2]
200,50 [2]
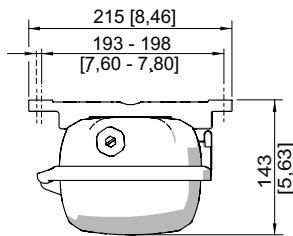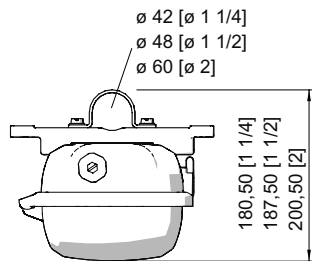
Pipe clamp fitted in mounting rail

24 [0,95]

172 [6,77]

Mounting bracket fitted in mounting rail

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10x15°

A

296 [11,65]

A

110 [4,33]

34 [1,39]

8,50
[0,35]

8,50 [0,35]

65,50 - 74,50
[2,58 - 2,93]

Wall mounting bracket fitted in mounting rail

▲ Preferred products – in stock or available at short notice
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LIGHTING