

- Suitable for wall, ceiling and suspended mounting
- With either DALI or address module
- Emergency exit signs with suspended panel so that they can be read from both sides
- Large recognition range d ≥ 30 m
- Lightweight, robust and compact design

MY R. STAHL **6102A**

The Series C-LUX 6102 compact light fittings can be used for normal lighting or as emergency luminaires in conjunction with emergency exit signs and/or an address module for use in central battery systems.

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

Selection Table

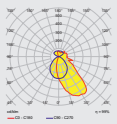
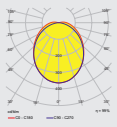
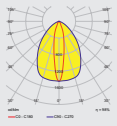
Lamp: LED

Figure	Version	Colour temperature	Luminous flux	Control interface	Product Type	Art. No.	Weight
	Escape route downstairs Single-sided	–	–	without	6102/111-0100-150-0111-31-1850-D1	287773	3.57 kg
		–	–	DALI	6102/111-0110-170-0111-31-1850-D1	287785	3.57 kg
		–	–	Internal address module	6102/111-0130-150-0111-31-1850-D1	287793	3.57 kg
	Escape route to the left/ right Double-sided	–	–	without	6102/111-0100-150-0111-31-1850-A2	287700	3.57 kg
		–	–	DALI	6102/111-0110-170-0111-31-1850-A2	287782	3.57 kg
		–	–	Internal address module	6102/111-0130-150-0111-31-1850-A2	287790	3.57 kg
	Escape route to the left Single-sided	–	–	without	6102/111-0100-150-0111-31-1850-B1	287771	3.57 kg
		–	–	DALI	6102/111-0110-170-0111-31-1850-B1	287783	3.57 kg
		–	–	Internal address module	6102/111-0130-150-0111-31-1850-B1	287791	3.57 kg
	Escape route to the right Single-sided	–	–	without	6102/111-0100-150-0111-31-1850-A1	287699	3.57 kg
		–	–	DALI	6102/111-0110-170-0111-13-1850-A1	287781	3.57 kg
		–	–	Internal address module	6102/111-0130-150-0111-31-1850-A1	287789	3.57 kg
	Escape route upstairs Single-sided	–	–	without	6102/111-0100-150-0111-31-1850-C1	287772	3.57 kg
		–	–	DALI	6102/111-0110-170-0111-31-1850-C1	287784	3.57 kg
		–	–	Internal address module	6102/111-0130-150-0111-31-1850-C1	287792	3.57 kg

C-LUX Compact Light Fittings
Series 6102

E2

Selection Table

Lamp		LED					
Figure	Version	Colour temperature	Luminous flux	Control interface	Product Type	Art. No.	Weight
	With deflection optics 0–60°	5000 K	490 lm	without	6102/111-0100-150-0111-31-A850-00	287778	3.05 kg
		5000 K	490 lm	DALI	6102/111-0110-170-0111-31-A850-00	287787	3.05 kg
		5000 K	490 lm	Internal address module	6102/111-0130-150-0111-31-A850-00	287796	3.05 kg
	With diffuser 2 x 40°	5000 K	600 lm	without	6102/111-0100-150-0111-31-4850-00	287777	3 kg
		5000 K	600 lm	DALI	6102/111-0110-170-0111-31-4850-00	287786	3 kg
		5000 K	600 lm	Internal address module	6102/111-0130-150-0111-31-4850-00	287795	3 kg
	Without diffuser 15°	5000 K	775 lm	without	6102/111-0100-150-0111-31-0850-00	287698	2.93 kg
		5000 K	775 lm	DALI	6102/111-0110-170-0111-31-0850-00	287780	2.93 kg
		5000 K	775 lm	Internal address module	6102/111-0130-150-0111-31-0850-00	287788	2.93 kg

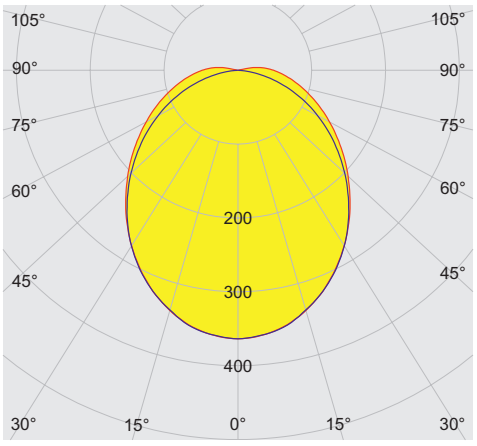
Technical Data

Variant	Control interface: without	Control interface: DALI	Control interface: internal address modul
Explosion Protection			
IECEx gas explosion protection	Ex db eb ib op is IIC T4 Gb	Ex db eb ib op is IIC T4 Gb	Ex db eb ib 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	Ex tb op is IIIC T100 °C Db
ATEX gas explosion protection	Ⓔx II 2 G Ex db eb ib op is IIC T4 Gb	Ⓔx II 2 G Ex db eb ib op is IIC T4 Gb	Ⓔx II 2 G Ex db eb ib op is IIC T4 Gb
ATEX dust explosion protection	Ⓔx II 2 D Ex tb op is IIIC T100 °C Db	Ⓔx II 2 D Ex tb op is IIIC T100 °C Db	Ⓔx II 2 D Ex tb op is IIIC T100 °C Db
Certificates	ATEX (IBE), Brazil (ULB), China (NEPSI), IECEx (IBE), Polen (CNBOP)	ATEX (IBE), Brazil (ULB), China (NEPSI), IECEx (IBE), Polen (CNBOP)	ATEX (IBE), Brazil (ULB), China (NEPSI), IECEx (IBE), Polen (CNBOP)
Ship approval	DNVGL	DNVGL	DNVGL
Declaration of Conformity	ATEX (EUK), Declaration of Conformity (AUS)	ATEX (EUK), Declaration of Conformity (AUS)	ATEX (EUK), Declaration of Conformity (AUS)
Electrical Data			
Frequency range	50 – 60 Hz	50 – 60 Hz	50 Hz
Operating voltage AC	100 to 240 V	100 to 240 V	220 to 240 V
Operating voltage DC	100 to 250 V	100 to 250 V	194 to 250 V
Ambient Conditions			
Ambient temperature	-40 °C ... +50 °C Note: Through wiring Max. 3x16 A -40 °C ... +60 °C Note: Through wiring 2 Max. 3x10 A	-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
Lighting Data			
Lamp	LED	LED	LED
Colour temperature	5000 K	5000 K	5000 K
Colour rendering	≥ 80	≥ 80	≥ 80
Light colour	Cool white	Cool white	Cool white
Mechanical Data			
IP degree of protection (IEC 60598)	IP66 / IP67	IP66 / IP67	IP66 / IP67
Silicone-free content	Without influence on paint wetting	Without influence on paint wetting	Without influence on paint wetting
Class	I	I	I
Enclosure material	Thermoset	Thermoset	Thermoset
Cover material	Polycarbonate	Polycarbonate	Polycarbonate
Sealing material	Silicone	Silicone	Silicone
Installed terminal strip	PE + N + L1 + L2 + L3	PE + N + L1 + L2 + L3 + D1+D2	PE + N- + L+ + L" + N"

Technical Data

Variant	Control interface: without	Control interface: DALI	Control interface: internal address modul
Mechanical Data			
Max. solid connection terminals	6 mm²	6 mm²	6 mm²
Max. finely stranded connection terminals	4 mm²	4 mm²	4 mm²
Type of connection cable	Finely stranded Solid	Finely stranded Solid	Finely stranded Solid
Impact strength (IEC 62262)	IK08	IK08	IK08
Enclosure colour	Light grey (RAL 7035)	Light grey (RAL 7035)	Light grey (RAL 7035)
Disconnection of the luminaire	No	No	No
Components			
Threaded plate	Plastic	Plastic	Plastic
Ballast	6045/311-840-20 AC/DC standard	6045/311-841-20 AC/DC DALI	6045/312-842-20 AC/DC int. ADR
Through wiring	Loop in/loop out	Loop in/loop out	Loop in/loop out
Drilled holes	3 x M25	3 x M25	3 x M25
Cable glands and entries	2 x M25 Ø 7 ...	2 x M25 Ø 7 ...	2 x M25 Ø 7 ...
Stopping plugs	2 x M25 x 1.5	2 x M25 x 1.5	2 x M25 x 1.5
Stopping plug material	Polyamide, black	Polyamide, black	Polyamide, black
Accessories	Provided	Provided	Provided

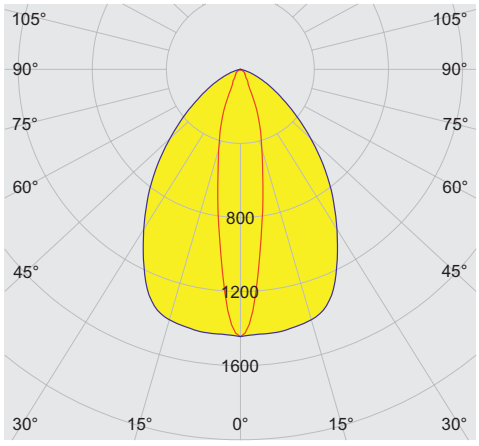
Light Distribution Curves – Subject to Alterations



cd/klm η = 99%

C0 - C180 C90 - C270

With diffusor

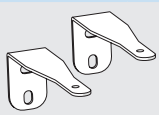
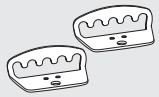


cd/klm η = 98%

C0 - C180 C90 - C270

Without diffusor

Accessories

Figure	Description	Art. No.	Weight
Fastening set			
	for wall mounting	275408	400 g
	for chain/rope assembly	275407	100 g

E2

Accessories

Figure	Description	Art. No.	Weight
Light panel			
	Escape route, down	274776	625 g
	Escape route, up	274758	625 g
	Escape route, down double-sided	274780	625 g
	Escape route, left	274757	625 g
	Escape route, right	274775	625 g
	Escape route left/right double-sided	274773	625 g
	Escape route stairs, down left	274777	625 g
	Escape route stairs, down right	274778	625 g
	Escape route stairs, down double-sided	274779	625 g
	Escape route stairs, up left	274759	625 g
	Escape route stairs, up right	274760	625 g
	Escape route stairs, up double-sided	274771	625 g
	Escape route, up double-sided	274772	625 g
	EXIT	275514	625 g

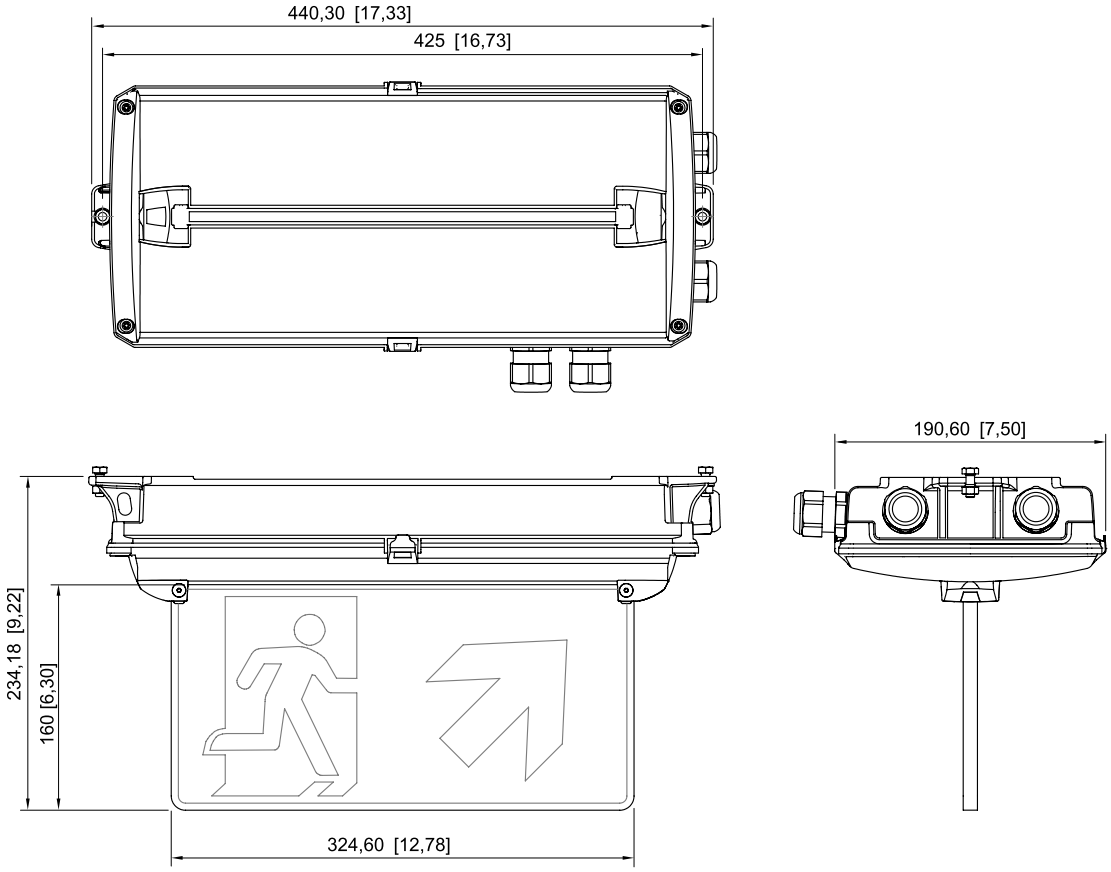
Spare Parts

Figure	Description	Art. No.	Weight
Optic			
	Diffuser	274756	25 g

Spare Parts

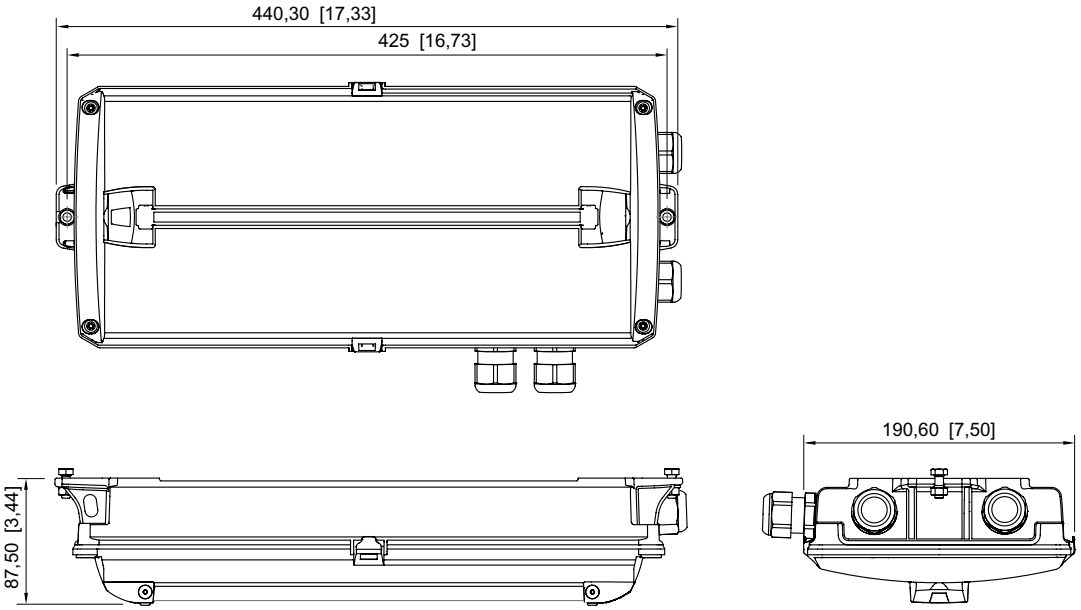
Figure	Description	Art. No.	Weight
Optic			
	Deflection optics	274781	270 g

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

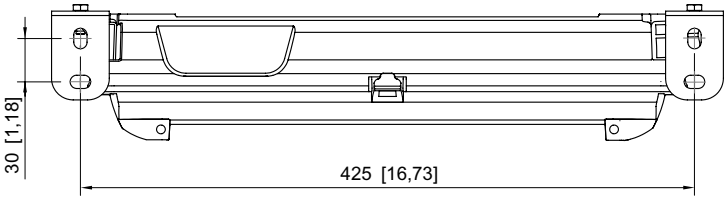


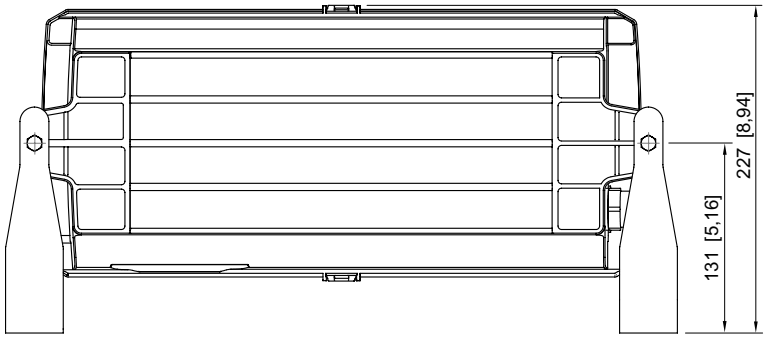
with escape sign

E2

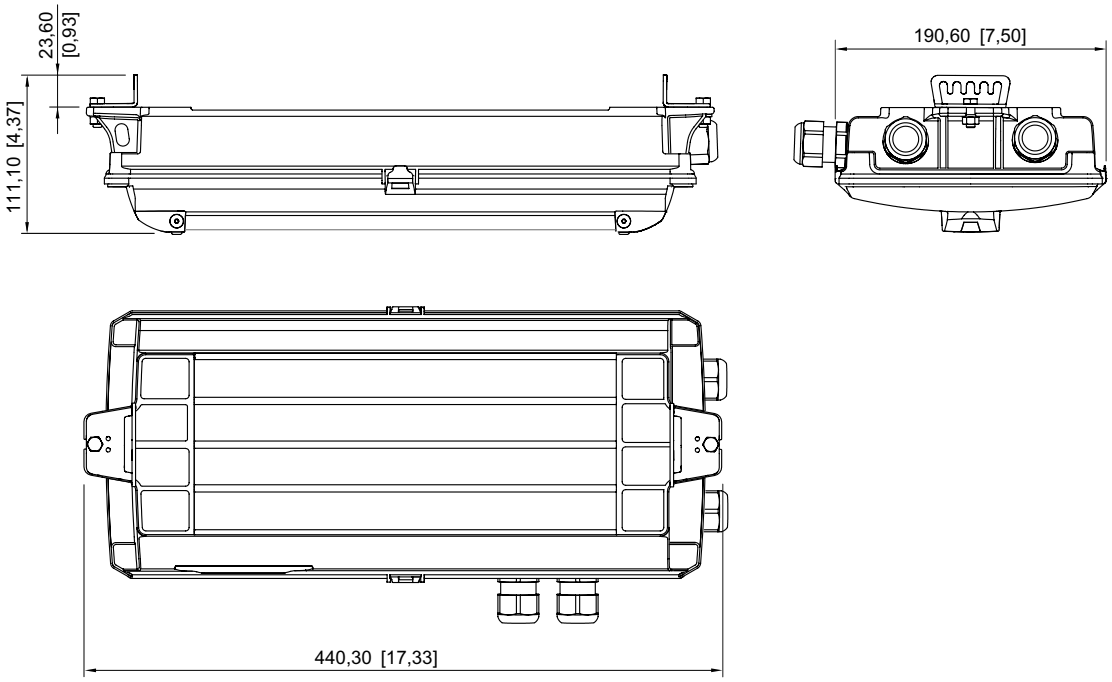


without escape sign





with mounting brackets



for rope/chain mounting



- The latest LED technology with a high luminous efficacy and a long service life
- Extremely high luminaire efficacy
- Can be adjusted from a 1.5 to a 3.0 h rated operating time
- Luminous flux after 100,000 h still 90% of the starting luminous flux
- Optionally with DALI for controlling and monitoring the luminaire
- Automatic weekly function test and annual rated operating time test

MY R. STAHL **6409C**

The emergency luminaire with Series 6409/4 LED with integrated battery can be installed in stand-by switching, continuous mode or in switchable stand-by switching. A weekly functional test and annual rated operating time test are performed automatically. The results are indicated by an LED.

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

Selection Table

Light colour	Operating time	Ballast	Disconnection of the luminaire	Threaded plate	Drilled holes	Through wiring	Product Type	Art. No.	Weight
Size Lamp wattage Luminaire efficacy Luminous flux			2 25 W 116 lm/W 2910 lm						
5000 K – neutral white	1.5h emergency lighting operation	LED NLE 80W 110-240V/7Ah/ 1.5h/	Only battery	2x plastic	3 x M25	With 6 conductors 2.5 mm²	6409/4128-5101-162-1110-11-850011	271816	5.4 kg
		LED NLE 80W 110-240V/7Ah/ 1.5h/	All-pole disconnection	2x plastic	3 x M25	With 6 conductors 2.5 mm²	6409/4128-5103-162-1110-11-850011	267859	5.4 kg
		LED NLE 80W 110-240V/7Ah/ 1.5h/	All-pole disconnection	2x SS430 stainless steel	3 x M20	With 6 conductors 2.5 mm²	6409/4128-5103-162-2220-22-850011	271825	4.7 kg
		LED NLE 80W 110-240V/7Ah/ 1.5h/	All-pole disconnection	2x plastic	3 x M25	With 8 conductors 2.5 mm²	6409/4128-5113-182-1110-11-850011	276234	5.4 kg
	3h emergency lighting operation	LED NLE 80W 110-240V/7Ah/ 3.0h/	All-pole disconnection	2x plastic	3 x M25	With 6 conductors 2.5 mm²	6409/4128-5203-162-1110-11-850011	267860	5.4 kg
		LED NLE 80W 110-240V/7Ah/ 3.0h/	All-pole disconnection	2x SS430 stainless steel	3 x M20	With 6 conductors 2.5 mm²	6409/4128-5203-162-2220-22-850011	272458	5.4 kg
Size Lamp wattage Luminaire efficacy Luminous flux			4 45 W 129 lm/W 5810 lm						
Light colour	Operating time	Ballast	Disconnection of the luminaire	Threaded plate	Drilled holes	Through wiring	Product Type	Art. No.	Weight
4000 K – warm neutral white	3h emergency lighting operation	LED NLE 80W 110-240V/7Ah/ 3.0h/	All-pole disconnection	2x plastic	3 x M25	With 6 conductors 2.5 mm²	6409/4148-5203-162-1110-11-840011	277319	8.1 kg

Emergency luminaire with LED EXLUX
Series 6409/4

Selection Table

Size	4
Lamp wattage	45 W
Luminaire efficacy	129 lm/W
Luminous flux	5810 lm

Light colour	Operating time	Ballast	Disconnection of the luminaire	Threaded plate	Drilled holes	Through wiring	Product Type	Art. No.	Weight
5000 K – neutral white	1.5h emergency lighting operation	LED NLE 80W 110-240V/7Ah/ 1.5h/	Only battery	2x plastic	3 x M25	With 6 conductors 2.5 mm²	6409/4148-5101-162-1110-11-850011	271004	8.1 kg
		LED NLE 80W 110-240V/7Ah/ 1.5h/	All-pole disconnection	2x plastic	3 x M25	With 6 conductors 2.5 mm²	6409/4148-5103-162-1110-11-850011	267861	8.1 kg
		LED NLE 80W 110-240V/7Ah/ 1.5h/	All-pole disconnection	2x SS430 stainless steel	3 x M20	With 6 conductors 2.5 mm²	6409/4148-5103-162-2220-22-850011	271585	8.1 kg
	3h emergency lighting operation	LED NLE 80W 110-240V/7Ah/ 3.0h/	All-pole disconnection	2x plastic	3 x M25	With 6 conductors 2.5 mm²	6409/4148-5203-162-1110-11-850011	267862	8.1 kg
		LED NLE 80W 110-240V/7Ah/ 3.0h/	All-pole disconnection	2x SS430 stainless steel	3 x M20	With 6 conductors 2.5 mm²	6409/4148-5203-162-2220-22-850011	272470	8.1 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.

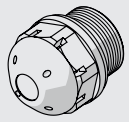
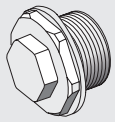
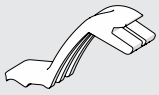
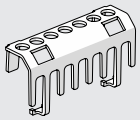
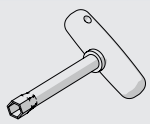
Technical Data

Variant	Size 2	Size 4
Explosion Protection		
IECEx gas explosion protection	Ex db ec IIC T4 Gc	Ex db ec 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
IECEx dust explosion protection 2	Ex tc IIIC Db	Ex tc IIIC Db
ATEX gas explosion protection	Ⓔx II 3 G Ex db ec IIC T4 Gc	Ⓔx II 3 G Ex db ec IIC T4 Gc
ATEX dust explosion protection	Ⓔx II 2 D Ex tb op is / tc IIIC T100 °C Db	Ⓔx II 2 D Ex tb op is / tc IIIC T100 °C Db
ATEX dust explosion protection 2	Ⓔx II 2 D Ex tc IIIC Db	Ⓔx II 2 D Ex tc IIIC Db
Note: Through wiring	Max. 3x16 A	Max. 3x16 A
Note: Through wiring 2	Max. 3x10 A	Max. 3x10 A
Certificates	ATEX (IBE), IECEx (IBE), India (PESO)	ATEX (IBE), IECEx (IBE), India (PESO)
Declaration of conformity	ATEX (EUK), Declaration of Conformity (AUS)	ATEX (EUK), Declaration of Conformity (AUS)
Electrical Data		
Rated operational voltage AC	110 ... 240 V	110 ... 240 V
Battery operating voltage	6 V	6 V
Battery capacity	7 Ah	7 Ah
Frequency range	50 – 60 Hz	50 – 60 Hz
Battery version	NiCd battery, gas-tight	NiCd battery, gas-tight
Ambient Conditions		
Ambient temperature °C	-30 – 50 °C	-30 – 50 °C
Ambient temperature	-30 °C ... +50 °C Note: Through wiring Max. 3x16 A -30 °C ... +55 °C Note: Through wiring 2 Max. 3x10 A	-30 °C ... +50 °C Note: Through wiring Max. 3x16 A -30 °C ... +55 °C Note: Through wiring 2 Max. 3x10 A
Lighting Data		
Number of lamps	1	1
Lamp	LED	LED
Light distribution	120°x120° with diffusing glass	120°x120° with diffusing glass
Colour rendering	≥ 80	≥ 80
Colour temperature	5000 K	4000 K

Technical Data

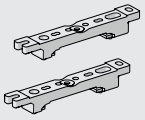
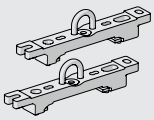
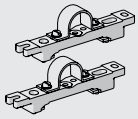
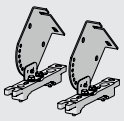
Variant	Size 2	Size 4
Mechanical Data		
Enclosure material	Polyester resin, Glass fibre reinforced	Polyester resin, Glass fibre reinforced
Diffuser	With diffuser	With diffuser
Sealing material	Silicone	Silicone
Installed terminal strip	PE + N + L1 + L2 + L3 + L´	PE + N + L1 + L2 + L3 + L´
Max. solid connection terminals	6 mm²	6 mm²
Max. finely stranded connection terminals	4 mm²	4 mm²
Type of connection cable	Finely stranded Solid	Finely stranded Solid
Impact strength (IEC 62262)	IK10	IK10
Enclosure colour	Light grey (RAL 7035)	Light grey (RAL 7035)
Notes	Connection terminals: Spring clamp terminal (2 free clamping units per pole)	
Components		
Cable glands and entries	2 x M25 Ø 7 ... 17 mm	2 x M25 Ø 7 ... 17 mm
Cable entry material	Polyamide, black	Polyamide, black
Stopping plugs	2 x M25 x 1.5	2 x M25 x 1.5
Stopping plug material	Polyamide, black	Polyamide, black

Accessories

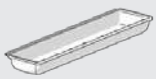
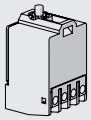
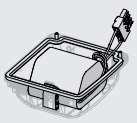
Figure	Description	Art. No.	Weight
Breather			
	Thread: M25 x 1.5 (20 pieces); without jam nut	285780	200 g
	M25 x 1.5 in order to avoid condensate formation	115738	17 g
	Thread: M25 x 1.5 (1 piece); for installation in light fittings; made from stainless steel; without jam nut	296608	76 g
Holder for translucent cover			
	The fall prevention system for the light fitting cover prevents the light fitting cover from falling accidentally when the light fitting is opened.	226791	21 g
Pole mounting sleeve			
	for the subsequent mounting on lights size 2 and size 4, completely with assembly parts (for pipe diameter 42 mm)	227512	3.2 kg
Protection against accidental contact			
	The protection against accidental contact prevents maintenance technicians and electrical installers from accidentally touching conductive parts. The degree of protection is increased to IP20 when the protection against accidental contact is used.	283153	14 g
Box spanner			
	M8 / A/F 13; For actuating the central lock	222430	110 g

Emergency luminaire with LED EXLUX
Series 6409/4

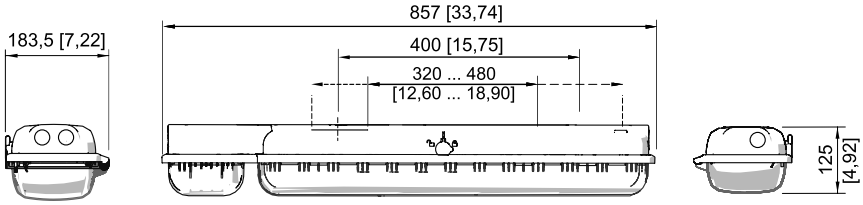
Accessories

Figure	Description	Art. No.	Weight
Mounting rail			
	for a variable mounting distance; 1 pair	222826	350 g
Mounting bracket			
	mounting clamp mounted on a mounting rail for a variable mounting distance; 1 pair	222456	400 g
Pipe clamp			
	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
Ring bolt			
	M8, direct mounting in insert nuts; 1 pair	115736	115 g
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	1.2 kg

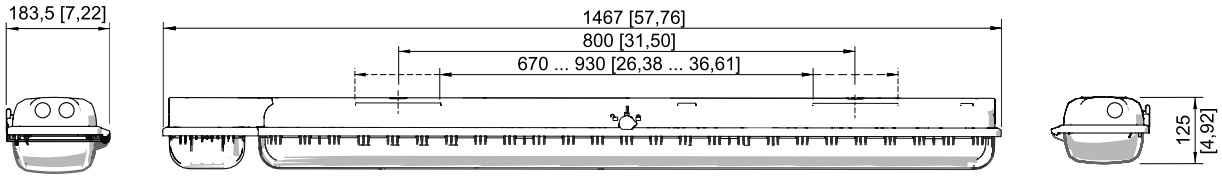
Spare Parts

Figure	Description	Art. No.	Weight
Cover			
	for luminaire size 4	222428	1.15 kg
	for luminaire size 2	222427	639 g
Contact element			
	8080/1-3-L 2 NC contact element	132527	26 g
Battery set			
	Battery cover with built-in battery. Gas-tight NiCd battery; 7 Ah / 6 V	223532	1.2 kg

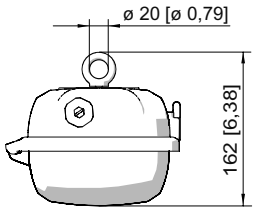
Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



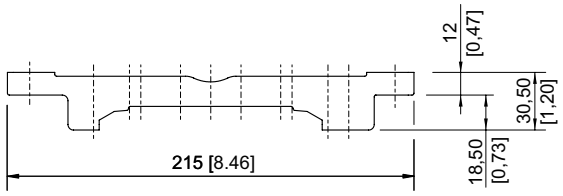
Size 2

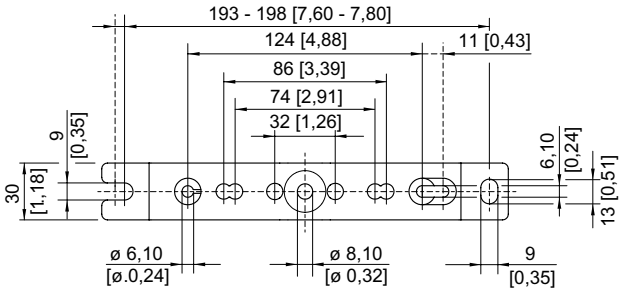


Size 4

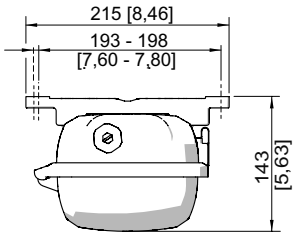


Ring bolt fitted in insert nut of the luminaire

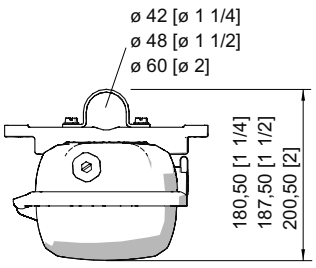




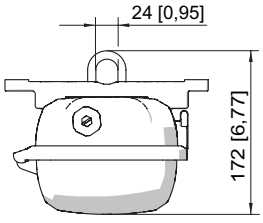
Mounting rail



Mounting rail

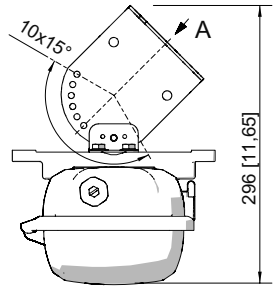


Pipe clamp fitted in mounting rail

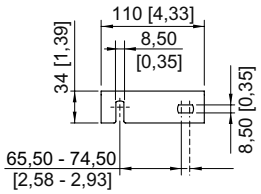


Mounting bracket fitted in mounting rail

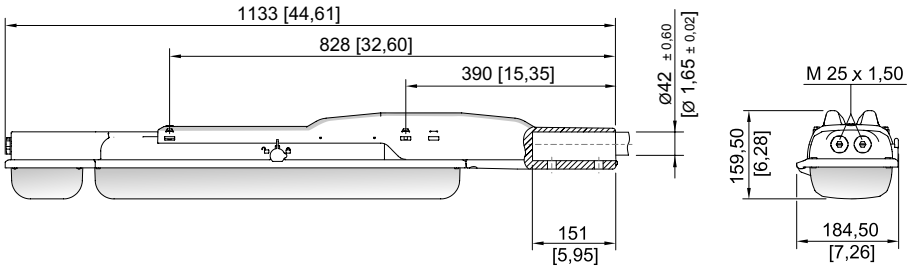
E2



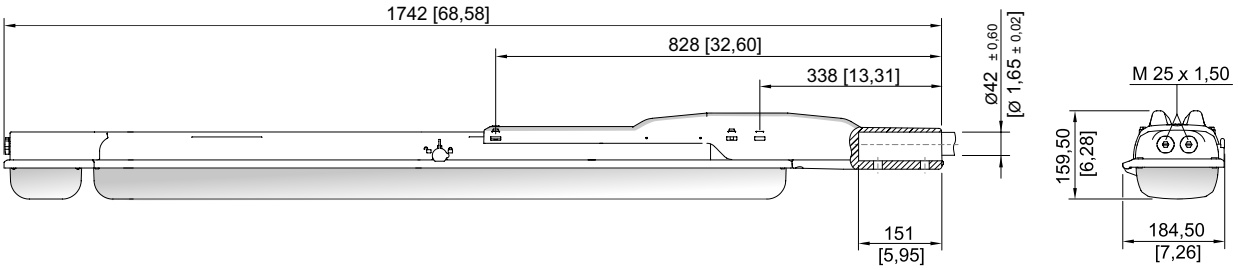
A



Wall mounting bracket fitted in mounting rail



Size 2



Size 4

EXLUX Linear Luminaire for Fluorescent Lamps
Series 6001



- Can be used in Zone 1, 2, 21 and 22
- Extremely robust: Impact strength rating of IK10

WebCode **6001A**

The 6001 EXLUX luminaire is suited to normal lighting applications in almost any facility. In no time at all and with very little effort, using the accessories it can be fitted to the wall, ceiling or a pole, or alternatively, it can be suspended. The practical central lock has a safety switch that disconnects the power supply at all poles when the plastic enclosure is opened. Lightweight yet strong: The high-quality workmanship makes this luminaire robust and minimises maintenance requirements.

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

Selection Table					
Size		2			
Lamp wattage		18 W			
Drilled holes	Cable entry material	Max. solid connection terminals	Product Type	Art. No.	Weight
3 x M20	–	6 mm²	6001/522-9510-15-232	238144	4.5 kg
3 x M25	Polyamide, black	6 mm²	6001/522-9510-15-131	220897	4.5 kg
Size		4			
Lamp wattage		36 W			
Drilled holes	Cable entry material	Max. solid connection terminals	Product Type	Art. No.	Weight
3 x M20	–	6 mm²	6001/542-9510-15-232	238145	6.8 kg
3 x M25	Polyamide, black	6 mm²	6001/542-9510-15-131	220903	6.75 kg
Size		6			
Lamp wattage		58 W			
Drilled holes	Cable entry material	Max. solid connection terminals	Product Type	Art. No.	Weight
3 x M20	–	6 mm²	6001/562-9510-15-232	238146	7.9 kg
3 x M25	Polyamide, black	6 mm²	6001/562-9510-15-131	220910	7.9 kg

Cable glands and 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 fluorescent lamps or mounting material. These parts must be ordered as accessories.

EXLUX Linear Luminaire for Fluorescent Lamps

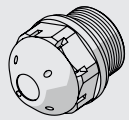
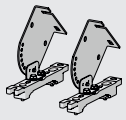
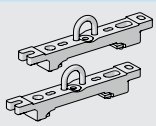
Series 6001

E2

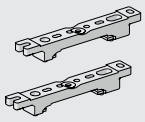
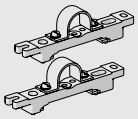
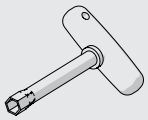
Technical Data

Variant	Design size 2 and 4	Design size 6
Explosion Protection		
IECEx gas explosion protection	Ex db eb IIC T4 Gb	Ex db eb IIC T4 Gb
IECEx dust explosion protection	Ex tb IIIC T80 °C Db	Ex tb IIIC T80 °C Db
ATEX gas explosion protection	Ⓔx II 2 G Ex db eb IIC T4 Gb	Ⓔx II 2 G Ex db eb IIC T4 Gb
ATEX dust explosion protection	Ⓔx II 2 D Ex tb IIIC T80 °C Db	Ⓔx II 2 D Ex tb IIIC T80 °C Db
Certificates	ATEX (PTB), IECEx (PTB)	ATEX (PTB), IECEx (PTB)
Ship approval	DNV	DNV
Electrical Data		
Rated operational voltage AC	220 – 240 V	220 – 240 V
Rated operational voltage DC	220 – 240 V	220 – 240 V
Frequency range	50 – 60 Hz	50 – 60 Hz
Lighting Data		
Number of lamps	2	2
Lamp	G13 lamp base	G13 lamp base
Mechanical Data		
IP degree of protection (IEC 60598)	IP66/IP67	IP66
Class	I (with inner PE connection)	I (with inner PE connection)
Enclosure material	Polyester resin, Glass fibre reinforced	Polyester resin, Glass fibre reinforced
Sealing material	Silicone	Silicone
Translucent cover material	Polycarbonate	Polycarbonate
Installed terminal strip	PE + N + L1 + L2 + L3	PE + N + L1 + L2 + L3
Lighting lock	Central lock , For box spanner actuation	Central lock , For box spanner actuation
Type of connection cable	Finely stranded Solid	Finely stranded Solid
Impact strength (IEC 62262)	IK10	IK10
Enclosure colour	Light grey (RAL 7035)	Light grey (RAL 7035)
Notes	Connection terminals: Spring clamp terminal (2 free clamping units per pole)	
Components		
Ballast	6042/243-21	6042/963-21
Through wiring	With 5 conductors 2.5 mm²	With 5 conductors 2.5 mm²

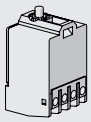
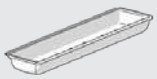
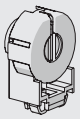
Accessories

Figure	Description	Art. No.	Weight
Breather			
	Thread: M25 x 1.5; 1 pc; for installation in lights; in moulded material; without counter nut	138573	10 g
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	1.2 kg
Mounting bracket			
	mounting clamp mounted on a mounting rail for a variable mounting distance; 1 pair	222456	400 g

Accessories

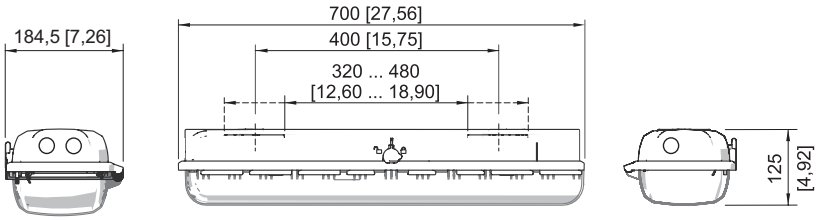
Figure	Description	Art. No.	Weight
Mounting rail			
	for a variable mounting distance; 1 pair	222826	350 g
Pipe clamp			
	R 1 1/2"; with mounting rail for a variable mounting distance; material: stainless steel; 1 pair	222459	700 g
	R 1 1/4"; with mounting rail for a variable mounting distance; Material: 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
Pole mounting sleeve			
	for the subsequent mounting on lights size 2 and size 4, completely with assembly parts (for pipe diameter 42 mm)	227512	3.2 kg
Ring bolt			
	M8, direct mounting in insert nuts; 1 pair	115736	115 g
Socket key			
	M8 / wrench size 13; to open/close the central locking	222430	110 g

Spare Parts

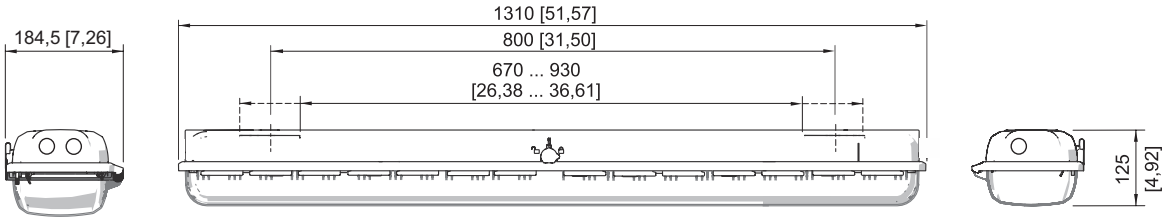
Figure	Description	Art. No.	Weight
Contact element			
	8080/1-3-L 2 NC contact element	132527	26 g
Cover			
	for luminaire size 4	222428	1.15 kg
	for luminaire size 6	222429	1.45 kg
	for luminaire size 2	222427	639 g
Fluorescent lamp			
	36 W, 3350 lm	108951	200 g
	58 W, 5200 lm	108950	220 g
	18 W, 1350 lm	108952	100 g
Lamp holder			
	G13 Ex e lamp holder for light fittings with T8 fluorescent lamps for use in Zone 1	117252	36 g

E2

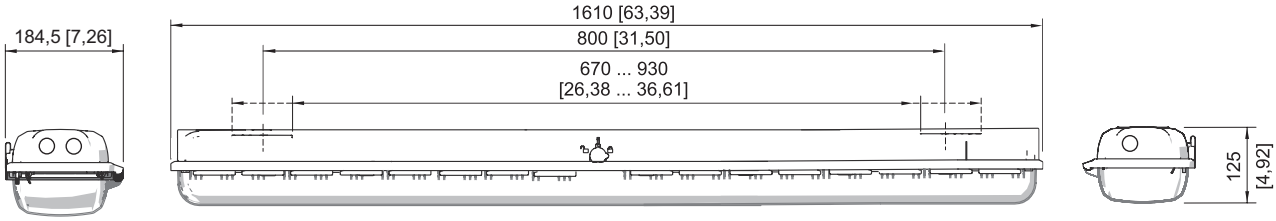
Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



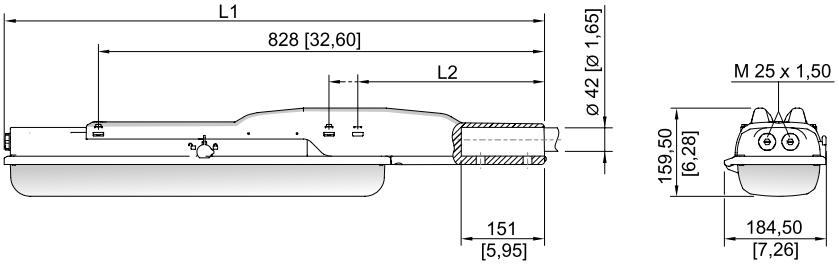
Size 2



Size 4

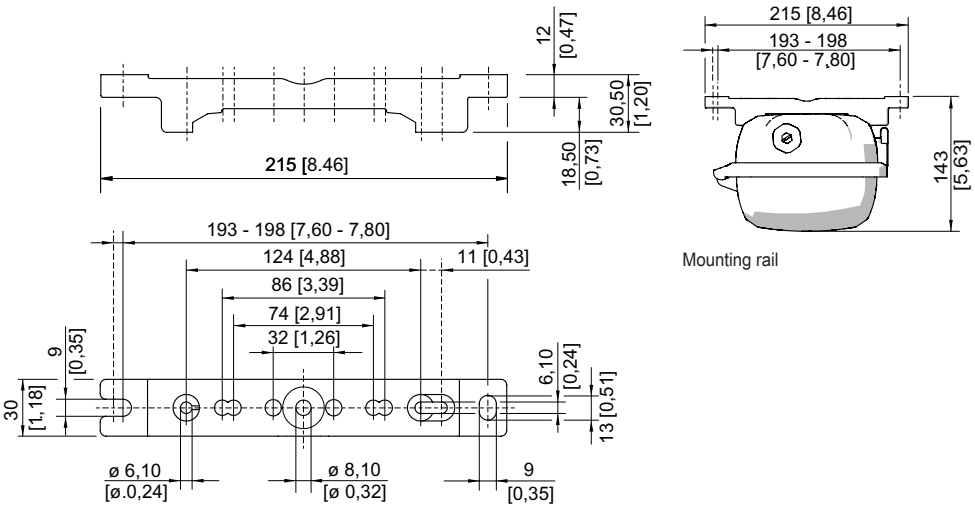


Size 6



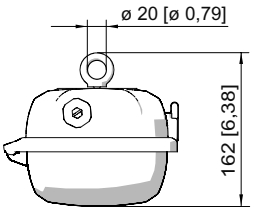
With pole mounting sleeve
Size 2:
L1 = 978 mm [38.50]
L2 = 390 mm [15.35]

Size 4:
L1 = 1587 mm [62.48]
L2 = 338 mm [13.31]

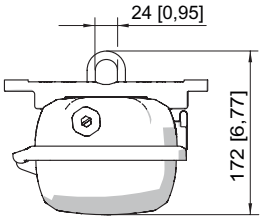


Mounting rail

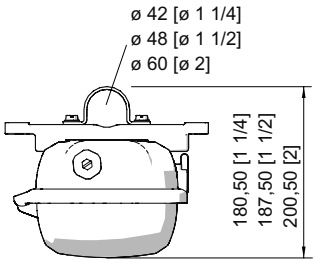
Mounting rail



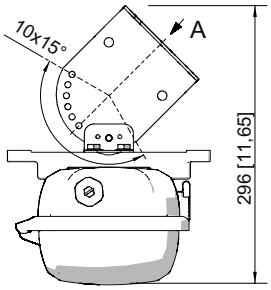
Ring bolt fitted in insert nut of the luminaire



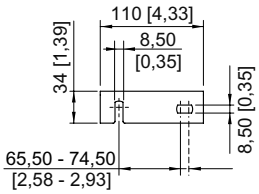
Mounting bracket fitted in mounting rail



Pipe clamp fitted in mounting rail



A



Wall mounting bracket fitted in mounting rail



- Can be used in Zone 2, 21 and 22
- Explosion-protected linear luminaire with two fluorescent lamps: 18 W, 36 W and 58 W
- Extremely robust: Impact strength rating of IK10

WebCode **6401A**

The 6401 EXLUX luminaire is suited to normal indoor and outdoor lighting applications. In no time at all and with very little effort, using the accessories it can be fitted to the wall, ceiling or a pole, or alternatively, it can be suspended. The practical central lock is available with an optional switching element that disconnects the power supply at all poles when the plastic enclosure is opened. Lightweight yet strong: The high-quality workmanship makes this luminaire robust and minimises maintenance requirements.

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

Selection Table							
Size Lamp wattage		2 18 W					
Drilled holes	Threaded plate	Cable glands and entries	Stopping plugs	Disconnection of the luminaire	Product Type	Art. No.	Weight
3 x M20	2x SS430 stainless steel	Can be ordered as accessories	Can be ordered as accessories	No	6401/522-8508-15-232	239555	3.2 kg
3 x M25	2x plastic	2 x M25 Ø 7 – 17 mm	2 x M25 x 1.5	No	6401/522-8508-15-131	239552	3.2 kg
Size Lamp wattage		4 36 W					
Drilled holes	Threaded plate	Cable glands and entries	Stopping plugs	Disconnection of the luminaire	Product Type	Art. No.	Weight
3 x M20	2x SS430 stainless steel	Can be ordered as accessories	Can be ordered as accessories	No	6401/542-8508-15-232	239556	5.5 kg
3 x M25	2x plastic	2 x M25 Ø 7 – 17 mm	2 x M25 x 1.5	No	6401/542-8508-15-131	239553	5.5 kg
Size Lamp wattage		6 58 W					
Drilled holes	Threaded plate	Cable glands and entries	Stopping plugs	Disconnection of the luminaire	Product Type	Art. No.	Weight
3 x M20	2x SS430 stainless steel	Can be ordered as accessories	Can be ordered as accessories	No	6401/562-8508-15-232	239557	7.9 kg
3 x M25	2x plastic	2 x M25 Ø 7 – 17 mm	2 x M25 x 1.5	No	6401/562-8508-15-131	239554	7.9 kg

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

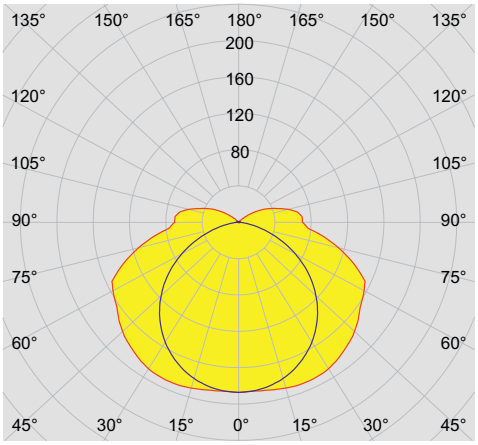
The light fittings are supplied without fluorescent lamps or mounting material. These parts must be ordered as accessories.

E2

Technical Data

Variant	Design size 2 and 4	Design size 6
Explosion Protection		
IECEx gas explosion protection	Ex ec IIC T4 Gc	Ex ec IIC T4 Gc
IECEx dust explosion protection	Ex tb / tc IIIC T80 °C Db	Ex tb / tc IIIC T80 °C Db
ATEX gas explosion protection	Ⓔx II 3 G Ex ec IIC T4 Gc	Ⓔx II 3 G Ex ec IIC T4 Gc
ATEX dust explosion protection	Ⓔx II 2 D Ex tb / tc IIIC T80 °C Db	Ⓔx II 2 D Ex tb / tc IIIC T80 °C Db
Certificates	ATEX (PTB), IECEx (PTB)	ATEX (PTB), IECEx (PTB)
Class	I (with inner PE connection)	I (with inner PE connection)
Electrical Data		
Rated operational voltage AC	220 – 240 V	220 – 240 V
Rated operational voltage DC	220 – 240 V	220 – 240 V
Frequency range	50 – 60 Hz	50 – 60 Hz
Ambient Conditions		
Ambient temperature	-30 °C ... +50 °C (T80 °C) Note: Through wiring Max. 3x16 A (T80 °C)	-20 °C ... +50 °C (T80 °C) Note: Through wiring Max. 3x16 A (T80 °C)
Lighting Data		
Number of lamps	2	2
Lamp	G13 lamp base	G13 lamp base
Mechanical Data		
IP degree of protection (IEC 60598)	IP66/IP67	IP66
Class	I (with inner PE connection)	I (with inner PE connection)
Enclosure material	Polyester resin, Glass fibre reinforced	Polyester resin, Glass fibre reinforced
Translucent cover material	Polycarbonate	Polycarbonate
Installed terminal strip	PE + N + L1 + L2 + L3	PE + N + L1 + L2 + L3
Max. solid connection terminals	6 mm²	6 mm²
Impact strength (IEC 62262)	IK10	IK10
Enclosure colour	Light grey (RAL 7035)	Light grey (RAL 7035)
Notes	Connection terminals: Spring clamp terminal (2 free clamping units per pole)	
Components		
Ballast	ELXe	ELXe
Through wiring	With 5 conductors 2.5 mm²	With 5 conductors 2.5 mm²
Cable entry material	Polyamide, black	Polyamide, black

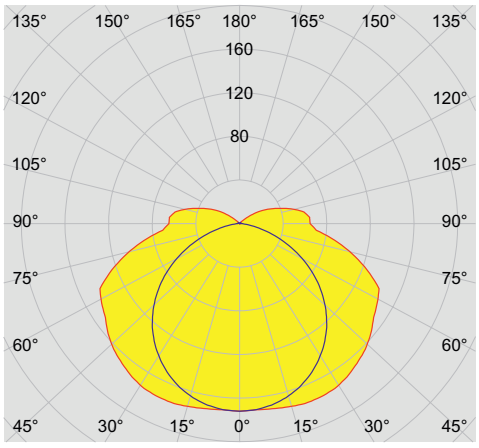
Light Distribution Curves – Subject to Alterations



cd/klm 83%

C0 - C180 C90 - C270

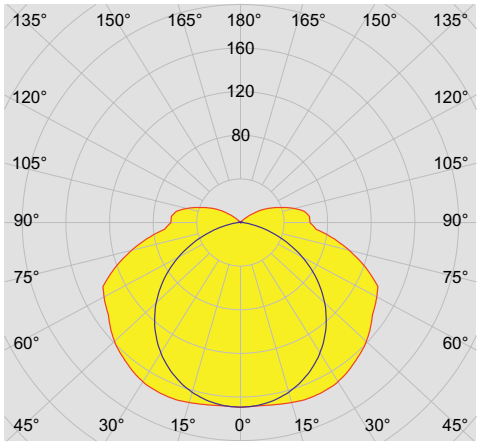
2 x 18 W



cd/klm 77%

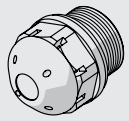
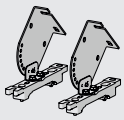
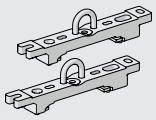
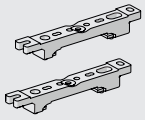
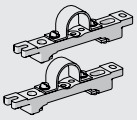
C0 - C180 C90 - C270

2 x 36 W

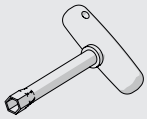


2 x 58 W

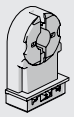
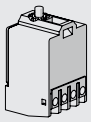
Accessories

Figure	Description	Art. No.	Weight
Breather			
	Thread: M25 x 1.5; 1 pc; for installation in lights; in moulded material; without counter nut	138573	10 g
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	1.2 kg
Mounting bracket			
	mounting clamp mounted on a mounting rail for a variable mounting distance; 1 pair	222456	400 g
Mounting rail			
	for a variable mounting distance; 1 pair	222826	350 g
Pipe clamp			
	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
Pole mounting sleeve			
	for the subsequent mounting on lights size 2 and size 4, completely with assembly parts (for pipe diameter 42 mm)	227512	3.2 kg

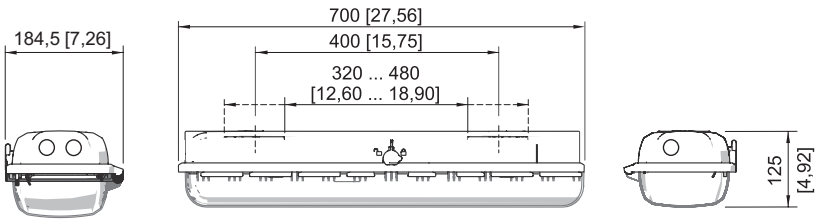
Accessories

Figure	Description	Art. No.	Weight
Ring bolt			
	M8, direct mounting in insert nuts; 1 pair	115736	115 g
Socket key			
	M8 / wrench size 13; to open/close the central locking	222430	110 g

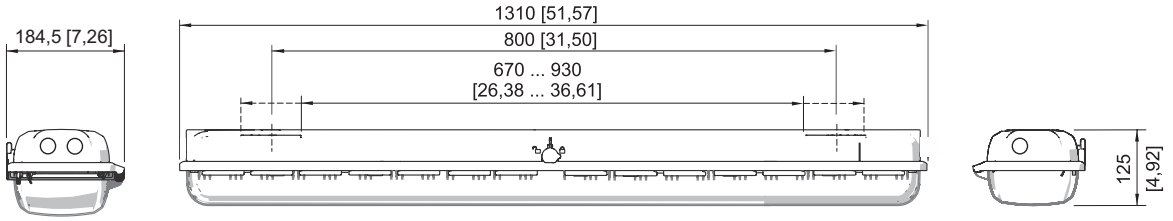
Spare Parts

	G13 lamp holder for light fittings with T8 fluorescent lamps for use in Zone 2 and for industrial applications (x 100 units)	107275	8 g
Figure	Description	Art. No.	Weight
Contact element			
	8080/1-3-L 2 NC contact element	132527	26 g
Cover			
	for luminaire size 4	222428	1.15 kg
	for luminaire size 6	222429	1.45 kg
	for luminaire size 2	222427	639 g
Fluorescent lamp			
	36 W, 3350 lm	108951	200 g
	58 W, 5200 lm	108950	220 g
	18 W, 1350 lm	108952	100 g

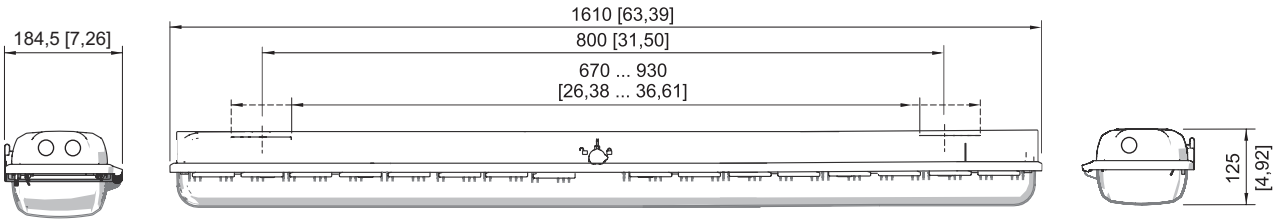
Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



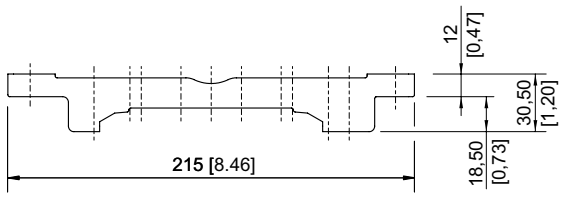
Size 2

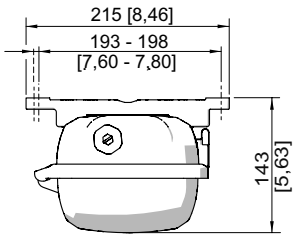


Size 4

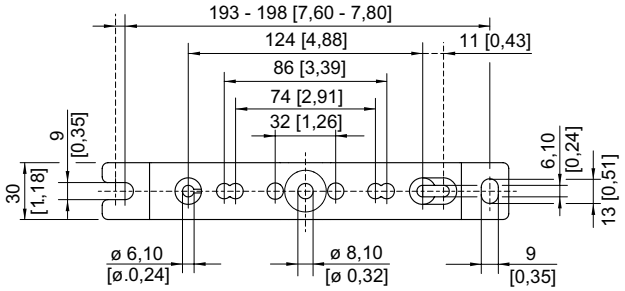


Size 6

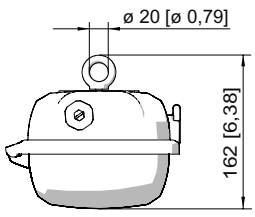




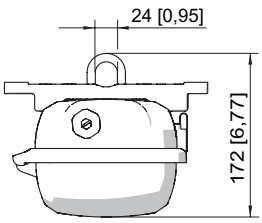
Mounting rail



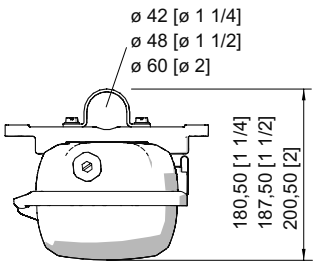
Mounting rail



Ring bolt fitted in insert nut of the luminaire

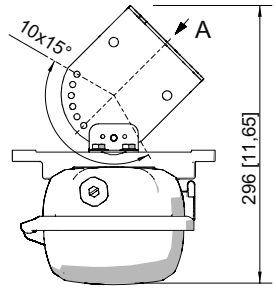


Mounting bracket fitted in mounting rail

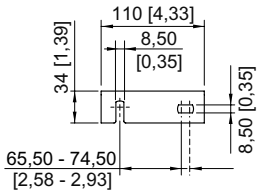


Pipe clamp fitted in mounting rail

E2



A



Wall mounting bracket fitted in mounting rail



- 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

MY R. STAHL **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
Ambient temperature	-40 °C ... 50 °C Note: Through wiring Max. 3x16 A -40 °C ... 60 °C Note: Through wiring 2 Max. 3x10 A

Product variant	Drilled holes	Light colour	Disconnection of the luminaire	Cable glands and entries	Stopping plugs	Diffuser	Threaded plate	Product Type	Art. No.	Weight
–	3 x M25	4000 K – warm neutral white	No	2 x M25 Ø 7 ... 17 mm	2 x M25 x 1.5	With diffuser	2x plastic	6002/4128-0100-152-1110-11-8400	272497	4.45 kg
		5000 K – neutral white	Yes	2 x M25 Ø 7 ... 17 mm	2 x M25 x 1.5	With diffuser	2x plastic	6002/4128-0101-152-1110-11-8500	275778	4.45 kg
Interfaces DALI	3 x M25	4000 K – warm neutral white	No	2 x M25 Ø 7 ... 17 mm	2 x M25 x 1.5	With diffuser	2x plastic	6002/4128-0110-172-1110-11-8400	272390	4.45 kg
		5000 K – neutral white	No	2 x M25 Ø 7 ... 17 mm	2 x M25 x 1.5	With diffuser	2x plastic	6002/4128-0110-172-1110-11-8500	272391	4.45 kg
standard	3 x M20	5000 K – neutral white	No	can be ordered as an accessory	Can be ordered as accessories	With diffuser	2x SS430 stainless steel	6002/4128-0100-152-2220-22-8500	267067	4.4 kg
	3 x M25	5000 K – neutral white	No	2 x M25 Ø 7 ... 17 mm	2 x M25 x 1.5	With diffuser	2x plastic	6002/4128-0100-152-1110-11-8500	267058	4.45 kg
		6500 K – daylight white	No	2 x M25 Ø 7 ... 17 mm	2 x M25 x 1.5	With diffuser	2x plastic	6002/4128-0100-152-1110-11-8650	288961	4.45 kg

E2

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
Ambient temperature	-30 °C ... 50 °C Note: Through wiring Max. 3x16 A -30 °C ... 60 °C Note: Through wiring 2 Max. 3x10 A

Product variant	Drilled holes	Light colour	Disconnection of the luminaire	Cable glands and entries	Stopping plugs	Diffuser	Threaded plate	Product Type	Art. No.	Weight
with address module	3 x M25	5000 K – neutral white	No	2 x M25 Ø 7 ... 17 mm	2 x M25 x 1.5	With diffuser	2x plastic	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
Ambient temperature	-40 °C ... 50 °C Note: Through wiring Max. 3x16 A -40 °C ... 60 °C Note: Through wiring 2 Max. 3x10 A

Product variant	Drilled holes	Light colour	Disconnection of the luminaire	Cable glands and entries	Stopping plugs	Diffuser	Threaded plate	Product Type	Art. No.	Weight
standard	3 x M20	5000 K – neutral white	No	can be ordered as an accessory	Can be ordered as accessories	Without diffuser	2x SS430 stainless steel	6002/4124-0100-152-2220-22-850S	285108	4.35 kg
	3 x M25	5000 K – neutral white	No	2 x M25 Ø 7 ... 17 mm	2 x M25 x 1.5	Without diffuser	2x plastic	6002/4124-0100-152-1110-11-850S	285105	4.4 kg

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
Ambient temperature	-40 °C ... 50 °C Note: Through wiring Max. 3x16 A -40 °C ... 60 °C Note: Through wiring 2 Max. 3x10 A

Product variant	Drilled holes	Light colour	Disconnection of the luminaire	Cable glands and entries	Stopping plugs	Diffuser	Threaded plate	Product Type	Art. No.	Weight
–	3 x M25	4000 K – warm neutral white	No	2 x M25 Ø 7 ... 17 mm	2 x M25 x 1.5	With diffuser	2x plastic	6002/4148-0100-152-1110-11-8400	272498	6.9 kg
		6500 K – daylight white	No	2 x M25 Ø 7 ... 17 mm	2 x M25 x 1.5	With diffuser	2x plastic	6002/4148-0100-152-1110-11-8650	277614	6.9 kg
		5000 K – neutral white	Yes	2 x M25 Ø 7 ... 17 mm	2 x M25 x 1.5	With diffuser	2x plastic	6002/4148-0101-152-1110-11-8500	272258	6.9 kg
Interfaces DALI	3 x M20	5000 K – neutral white	No	can be ordered as an accessory	Can be ordered as accessories	With diffuser	2x SS430 stainless steel	6002/4148-0110-172-2220-22-8500	274963	6.9 kg
	3 x M25	4000 K – warm neutral white	No	2 x M25 Ø 7 ... 17 mm	2 x M25 x 1.5	With diffuser	2x plastic	6002/4148-0110-172-1110-11-8400	272398	6.9 kg
		5000 K – neutral white	No	2 x M25 Ø 7 ... 17 mm	2 x M25 x 1.5	With diffuser	2x plastic	6002/4148-0110-172-1110-11-8500	267087	6.9 kg
standard	3 x M20	5000 K – neutral white	No	can be ordered as an accessory	Can be ordered as accessories	With diffuser	2x SS430 stainless steel	6002/4148-0100-152-2220-22-8500	267077	6.9 kg
	3 x M25	5000 K – neutral white	No	2 x M25 Ø 7 ... 17 mm	2 x M25 x 1.5	With diffuser	2x plastic	6002/4148-0100-152-1110-11-8500	267074	6.9 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
Ambient temperature	-30 °C ... 50 °C Note: Through wiring Max. 3x16 A -30 °C ... 60 °C Note: Through wiring 2 Max. 3x10 A

Product variant	Drilled holes	Light colour	Disconnection of the luminaire	Cable glands and entries	Stopping plugs	Diffuser	Threaded plate	Product Type	Art. No.	Weight
with address module	3 x M20	5000 K – neutral white	No	can be ordered as an accessory	Can be ordered as accessories	With diffuser	2x SS430 stainless steel	6002/4148-0130-152-2220-22-8500	277241	6.9 kg
	3 x M25	4000 K – warm neutral white	No	2 x M25 Ø 7 ... 17 mm	2 x M25 x 1.5	With diffuser	2x plastic	6002/4148-0130-152-1110-11-8400	276553	6.9 kg
		5000 K – neutral white	No	2 x M25 Ø 7 ... 17 mm	2 x M25 x 1.5	With diffuser	2x plastic	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
Ambient temperature	-40 °C ... 50 °C Note: Through wiring Max. 3x16 A -40 °C ... 60 °C Note: Through wiring 2 Max. 3x10 A

Product variant	Drilled holes	Light colour	Disconnection of the luminaire	Cable glands and entries	Stopping plugs	Diffuser	Threaded plate	Product Type	Art. No.	Weight
standard	3 x M20	5000 K – neutral white	No	can be ordered as an accessory	Can be ordered as accessories	Without diffuser	2x SS430 stainless steel	6002/4144-0100-152-2220-22-850S	285109	6.85 kg
	3 x M25	5000 K – neutral white	No	2 x M25 Ø 7 ... 17 mm	2 x M25 x 1.5	Without diffuser	2x plastic	6002/4144-0100-152-1110-11-850S	285106	6.85 kg
		6500 K – daylight white	No	2 x M25 Ø 7 ... 17 mm	2 x M25 x 1.5	Without diffuser	2x plastic	6002/4144-0100-152-1110-11-865S	285107	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
Ambient temperature	-20 °C ... 50 °C Note: Through wiring Max. 3x16 A -20 °C ... 60 °C Note: Through wiring 2 Max. 3x10 A

Product variant	Drilled holes	Light colour	Disconnection of the luminaire	Cable glands and entries	Stopping plugs	Diffuser	Threaded plate	Product Type	Art. No.	Weight
–	3 x M25	4000 K – warm neutral white	No	2 x M25 Ø 7 ... 17 mm	2 x M25 x 1.5	With diffuser	2x plastic	6002/4168-0200-152-1110-11-8400	278348	8 kg
		4000 K – warm neutral white	Yes	2 x M25 Ø 7 ... 17 mm	2 x M25 x 1.5	With diffuser	2x plastic	6002/4168-0201-152-1110-11-8400	276336	8 kg
		6500 K – daylight white	Yes	2 x M25 Ø 7 ... 17 mm	2 x M25 x 1.5	With diffuser	2x plastic	6002/4168-0201-152-1110-11-8650	276337	8 kg
standard	3 x M20	5000 K – neutral white	No	can be ordered as an accessory	Can be ordered as accessories	With diffuser	2x SS430 stainless steel	6002/4168-0200-152-2220-22-8500	278346	8 kg
	3 x M25	5000 K – neutral white	No	2 x M25 Ø 7 ... 17 mm	2 x M25 x 1.5	With diffuser	2x plastic	6002/4168-0200-152-1110-11-8500	278349	8 kg
		5000 K – neutral white	Yes	2 x M25 Ø 7 ... 17 mm	2 x M25 x 1.5	With diffuser	2x plastic	6002/4168-0201-152-1110-11-8500	276335	8 kg

EXLUX linear luminaire with LED

Series 6002/4

E2

Selection Table

Size	6
Translucent cover	Translucent
Light distribution	120°x120°
Lamp wattage	50 W
Luminous flux	6000 lm
Luminaire efficacy	120 lm/W
Ambient temperature	-20 °C ... 50 °C Note: Through wiring Max. 3x16 A -20 °C ... 60 °C Note: Through wiring 2 Max. 3x10 A

Product variant	Drilled holes	Light colour	Disconnection of the luminaire	Cable glands and entries	Stopping plugs	Diffuser	Threaded plate	Product Type	Art. No.	Weight
–	3 x M25	5000 K – neutral white	No	2 x M25 Ø 7 ... 17 mm	2 x M25 x 1.5	Without diffuser	2x plastic	6002/4164-0200-152-1110-11-850S	288600	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.

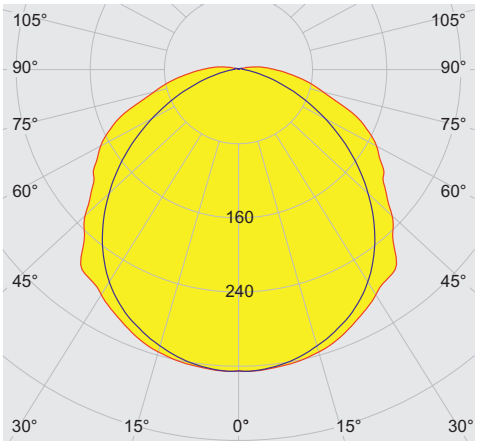
Technical Data

Variant	standard / product variant "–"	Interfaces DALI	with address module
Explosion Protection			
IECEx gas explosion protection	Ex db eb ib op is IIC T4 Gb	Ex db eb ib op is IIC T4 Gb	Ex db eb ib 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	Ex tb op is IIIC T100 °C Db
ATEX gas explosion protection	Ⓔx II 2 G Ex db eb ib op is IIC T4 Gb	Ⓔx II 2 G Ex db eb ib op is IIC T4 Gb	Ⓔx II 2 G Ex db eb ib op is IIC T4 Gb
ATEX dust explosion protection	Ⓔx II 2 D Ex tb op is IIIC T100 °C Db	Ⓔx II 2 D Ex tb op is IIIC T100 °C Db	Ⓔx II 2 D Ex tb op is IIIC T100 °C Db
Certificates	ATEX (IBE), IECEx (IBE), India (PESO)	ATEX (IBE), IECEx (IBE), India (PESO)	ATEX (IBE), IECEx (IBE), India (PESO)
Ship approval	DNV	DNV	DNV
Declaration of conformity	ATEX (EUK), Declaration of Conformity (AUS)	ATEX (EUK), Declaration of Conformity (AUS)	ATEX (EUK), Declaration of Conformity (AUS)
Electrical Data			
Rated operational voltage AC	100 ... 240 V	100 ... 240 V	220 ... 240 V
Rated operational voltage DC	110 ... 250 V	110 ... 250 V	194 ... 250 V
Frequency range	50 – 60Hz	50 – 60Hz	50 – 50Hz
Lighting Data			
Number of lamps	1	1	1
Lamp	LED	LED	LED
Colour rendering	≥ 80	≥ 80	≥ 80
Colour temperature	5000 K	4000 K	5000 K
Mechanical Data			
Impact strength (IEC 62262)	IK10	IK10	IK10
IP degree of protection (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
Sealing material	Silicone	Silicone	Silicone
Max. solid connection terminals	6 mm²	6 mm²	6 mm²
Max. finely stranded connection terminals	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			
Ballast	6045/311-120-10	6045/311-121-10	6045/312-122-10
Through wiring	With 5 conductors 2.5 mm²	With 7 conductors 2.5 mm²	With 5 conductors 2.5 mm²
Cable entry material	Polyamide, black	Polyamide, black	Polyamide, black

Technical Data

Variant	standard / product variant "–"	Interfaces DALI	with address module
Components			
Stopping plug material	Polyamide, black	Polyamide, black	Polyamide, black

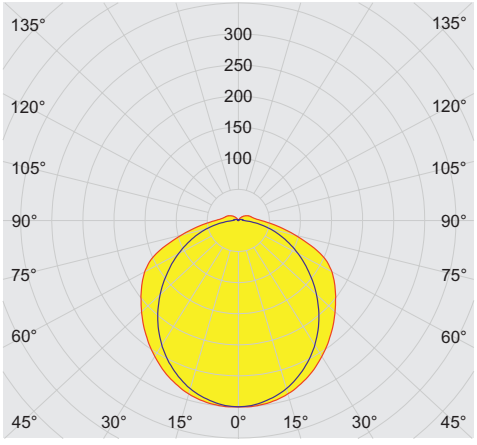
Light Distribution Curves – Subject to Alterations



cd/klm 100%

C0 - C180 C90 - C270

typical with diffusor, clear translucent cover

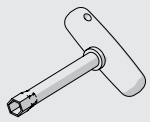
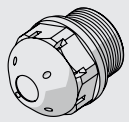
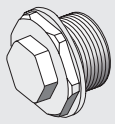
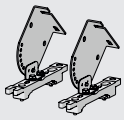


cd/klm 100%

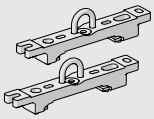
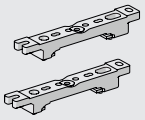
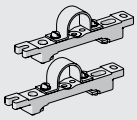
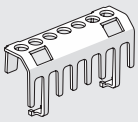
C0 - C180 C90 - C270

typical without diffusor, diffuse translucent cover

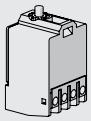
Accessories

Figure	Description	Art. No.	Weight
Box spanner			
	M8 / A/F 13; For actuating the central lock	222430	110 g
Breather			
	Thread: M25 x 1.5 (20 pieces); without jam nut	285780	200 g
	M25 x 1.5 in order to avoid condensate formation	115738	17 g
	Thread: M25 x 1.5 (1 piece); for installation in light fittings; made from stainless steel; without jam nut	296608	76 g
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	1.2 kg
Cover			
	For size 2 luminaires (diffuse), when used on an emergency luminaire with individual power supply, the visibility of the display LED may be restricted	276669	1 kg
	For size 4 luminaires (diffuse), when used on an emergency luminaire with individual power supply, the visibility of the display LED may be restricted	276670	1.2 kg

Accessories

Figure	Description	Art. No.	Weight
Holder for translucent cover			
	The fall prevention system for the light fitting cover prevents the light fitting cover from falling accidentally when the light fitting is opened.	226791	21 g
Mounting bracket			
	mounting clamp mounted on a mounting rail for a variable mounting distance; 1 pair	222456	400 g
Mounting rail			
	for a variable mounting distance; 1 pair	222826	350 g
Pipe clamp			
	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
Pole mounting sleeve			
	for the subsequent mounting on lights size 2 and size 4, completely with assembly parts (for pipe diameter 42 mm)	227512	3.2 kg
Protection against accidental contact			
	The protection against accidental contact prevents maintenance technicians and electrical installers from accidentally touching conductive parts. The degree of protection is increased to IP20 when the protection against accidental contact is used.	283153	14 g
Ring bolt			
	M8, direct mounting in insert nuts; 1 pair	115736	115 g

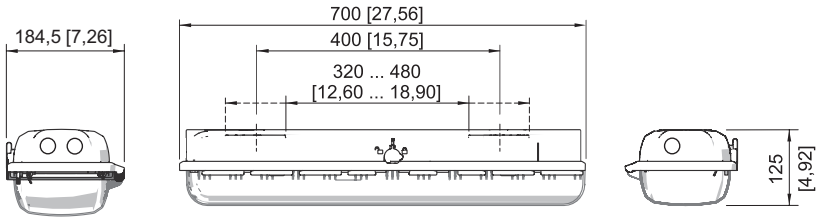
Spare Parts

Figure	Description	Art. No.	Weight
Contact element			
	8080/1-3-L 2 NC contact element	132527	26 g
Cover			
	for luminaire size 4	222428	1.15 kg
	for luminaire size 6	222429	1.45 kg
	for luminaire size 2	222427	639 g

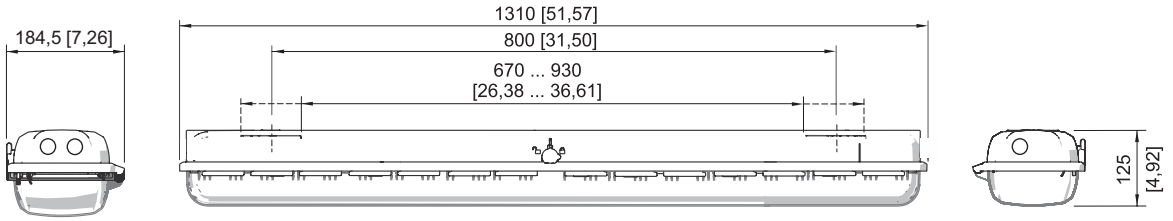
Spare Parts

Figure	Description	Art. No.	Weight
Reflector Plate			
	Spare part for 6002 or upgrade 6001 size 2, colour temperature 4000 K	272064	2.1 kg
	Spare part for 6002 or upgrade 6001 size 2, colour temperature 5000 K	270812	2.1 kg
	Spare part for 6002 or upgrade 6001 size 2, colour temperature 6500 K	272066	2.1 kg
	Spare part for 6002 with DALI size 2, colour temperature 5000 K	274918	2.1 kg
	Spare part for 6002 with address module size 2, colour temperature 5000 K	278000	2.1 kg
	Spare part for 6002 or upgrade 6001 size 4, colour temperature 4000 K	272063	2.6 kg
	Spare part for 6002 or upgrade 6001 size 4, colour temperature 5000 K	270813	2.6 kg
	Spare part for 6002 or upgrade 6001 size 4, colour temperature 6500 K	272065	2.6 kg
	Spare part for 6002 with DALI size 4, colour temperature 5000 K	274919	2.6 kg
	Spare part for 6002 with address module size 4, colour temperature 5000 K	278011	2.6 kg

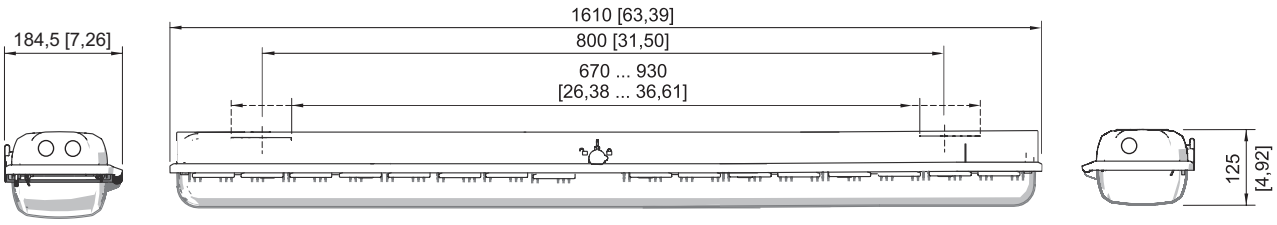
Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



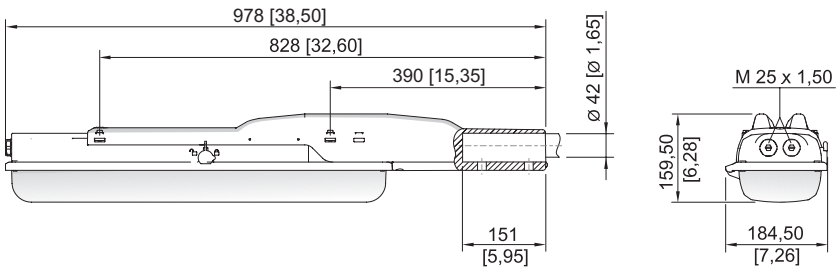
Size 2



Size 4

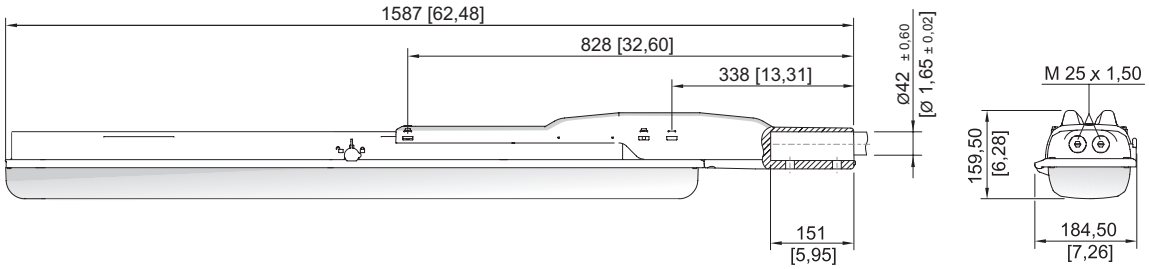


Size 6

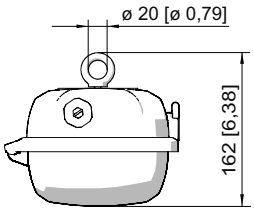


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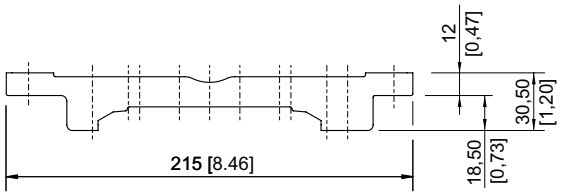
E2

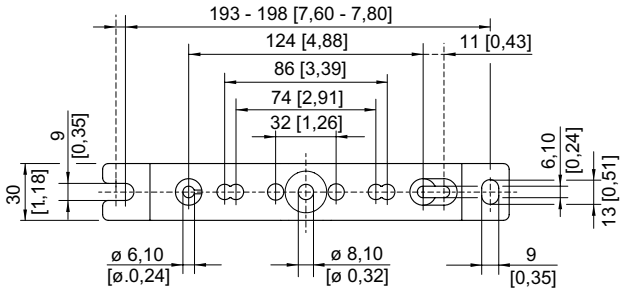


Size 4

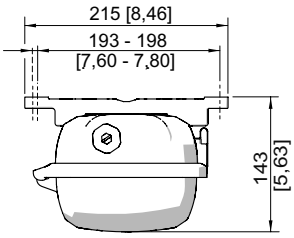


Ring bolt fitted in insert nut of the luminaire

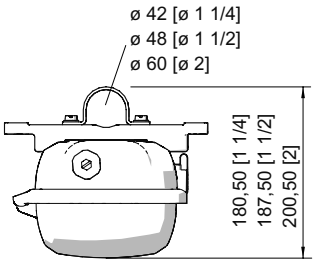




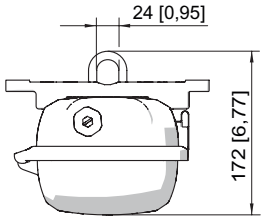
Mounting rail



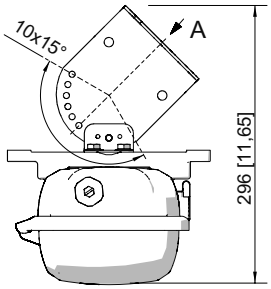
Mounting rail



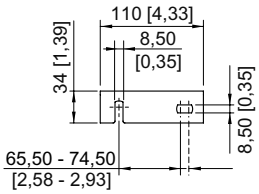
Pipe clamp fitted in mounting rail



Mounting bracket fitted in mounting rail



A



Wall mounting bracket fitted in mounting rail

Start-up current

Ipeak = 51 A; Delta t = 127 µs

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



- Stainless steel enclosure as standard for a long service life and safety even under harsh ambient conditions
- Extremely wide range of ambient temperatures – between -60 °C and +60 °C
- Robust design with IK10 and IP66
- Wide-range input with optional 100 V to 277 V
- DALI versions available for lighting control, monitoring and switching

WebCode 6525C

The wide-range input now also meets the electrical installation conditions for global use. With an optional DALI interface, the floodlight paves the way to a digital lighting solution. Its extremely low start-up current can also support existing installations, as the circuit breakers that are already installed do not need to be replaced.

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

Selection Table

Enclosure material		Stainless steel 1.4301, Powder-coated Single-layer powder-coated				
Lamp wattage	Light distribution	Luminous flux	Luminaire efficacy	Product Type	Art. No.	Weight
100 W	Wide beam	12315 lm	123 lm/W	6525/2124-1701-6021-331	282307	15.5 kg
160 W	Medium-beam	17444 lm	113 lm/W	6525/2122-3701-6021-331	282309	15.5 kg
	Wide beam	17640 lm	114 lm/W	6525/2124-3701-6021-331	282308	15.5 kg
225 W	Narrow-beam	24562 lm	111 lm/W	6525/2121-5701-6021-331	282361	18 kg
	Wide beam	23723 lm	108 lm/W	6525/2124-5701-6021-331	282310	18 kg
Enclosure material		Stainless steel 1.4404, Powder-coated Double powder-coated				
Lamp wattage	Light distribution	Luminous flux	Luminaire efficacy	Product Type	Art. No.	Weight
100 W	Wide beam	12315 lm	123 lm/W	6525/2124-1701-6021-242	282371	15.5 kg
160 W	Medium-beam	17444 lm	113 lm/W	6525/2122-3701-6021-242	282373	15.5 kg
	Wide beam	17640 lm	114 lm/W	6525/2124-3701-6021-242	282372	15.5 kg
225 W	Narrow-beam	24562 lm	111 lm/W	6525/2121-5701-6021-242	282375	18 kg
	Wide beam	23723 lm	108 lm/W	6525/2124-5701-6021-242	282374	18 kg

Technical Data

Variant	Floodlight LED 100 W	Floodlight LED 160 W	Floodlight LED 225 W
Explosion Protection			
IECEx gas explosion protection	Ex nR IIC T5 Gc	Ex nR IIC T5 Gc	Ex nR IIC T5 Gc
IECEx dust explosion protection	Ex tb op is IIIC T80 °C Db	Ex tb op is IIIC T100 °C Db	Ex tb op is IIIC T100 °C Db
ATEX gas explosion protection	Ⓔx II 3 G Ex nR IIC T5 Gc	Ⓔx II 3 G Ex nR IIC T5 Gc	Ⓔx II 3 G Ex nR IIC T5 Gc
ATEX dust explosion protection	Ⓔx II 2 D Ex tb op is IIIC T80 °C Db	Ⓔx II 2 D Ex tb op is IIIC T100 °C Db	Ⓔx II 2 D Ex tb op is IIIC T100 °C Db

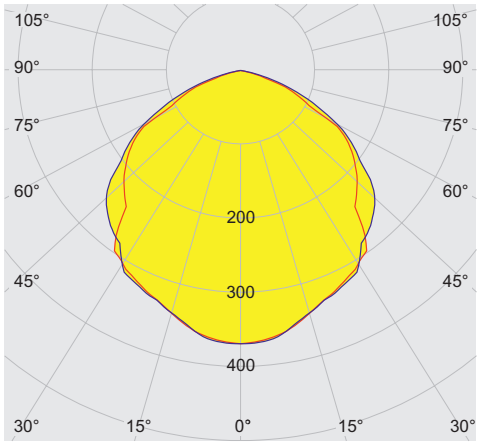
Floodlight LED
Series 6525/21 (Ex nR)

E2

Technical Data

Variant	Floodlight LED 100 W	Floodlight LED 160 W	Floodlight LED 225 W
Explosion Protection			
Certificates	ATEX (BVIS), IECEx (BVIS), India (PESO)	ATEX (BVIS), IECEx (BVIS), India (PESO)	ATEX (BVIS), IECEx (BVIS), India (PESO)
Electrical Data			
Rated operational voltage AC	110 – 277 V	110 – 277 V	110 – 277 V
Frequency range	50 – 60 Hz	50 – 60 Hz	50 – 60 Hz
Ambient Conditions			
Ambient temperature	-50 °C ... +60 °C	-60 °C ... +60 °C	-60 °C ... +60 °C
Min. ambient temperature note	Energise above -40 °C	Energise above -40 °C	Energise above -40 °C
Storage temperature	-40 °C ... +75 °C	-40 °C ... +75 °C	-40 °C ... +75 °C
Lighting Data			
Lamp	LED	LED	LED
Colour rendering	≥ 70	≥ 70	≥ 70
Colour temperature	5700 K	5700 K	5700 K
Mechanical Data			
Degree of protection (IP)	IP66	IP66	IP66
Class	I	I	I
Sealing material	Silicone	Silicone	Silicone
Pane material	Reinforced glass	Reinforced glass	Reinforced glass
Max. solid connection terminals	6 mm²	6 mm²	6 mm²
Impact strength (IEC 62262)	IK10	IK10	IK10
Fastening	With bracket, SS316L	With bracket, SS316L	With bracket, SS316L
Components			
Cable glands and entries	CMP-20A2F 1 x M20 x 1.5	CMP-20A2F 1 x M20 x 1.5	CMP-20A2F 1 x M20 x 1.5
Cable entry accessories	1 x with plug	1 x with plug	1 x with plug

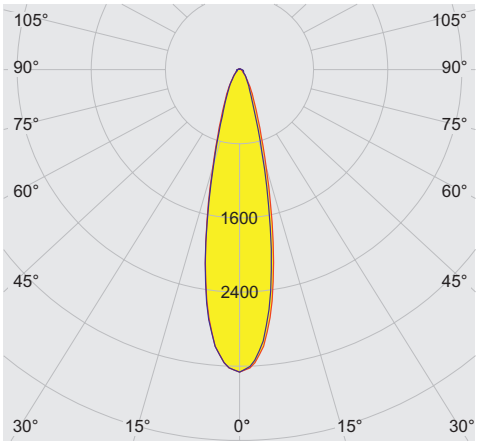
Light Distribution Curves – Subject to Alterations



cd/klm 100%

C0 - C180 C90 - C270

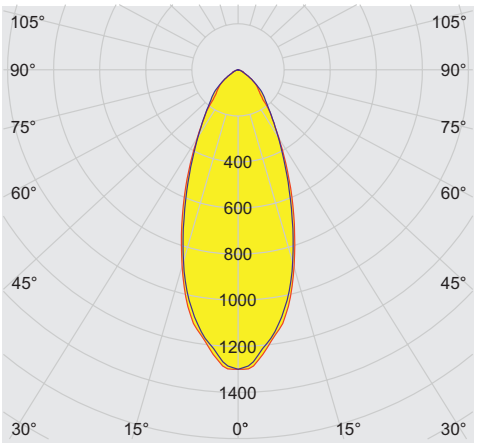
typ. broad beam



cd/klm 100%

C0 - C180 C90 - C270

typ. narrow beam

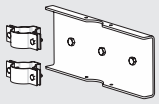


cd/klm 100%

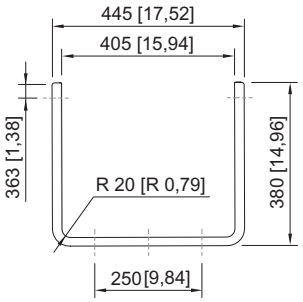
C0 - C180 C90 - C270

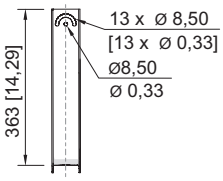
typ. medium beam

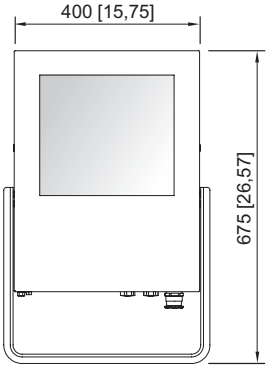
Accessories

Figure	Description	Art. No.	Weight
Mounting bracket			
	Stainless steel SS316L (1.4404 or V4A) without powder coating	221589	3.13 kg
Mounting set			
	for pole mounting with pole diameter of 50 mm - stainless steel SS316L (1.4404 or V4A) without powder coating	283361	5 kg
	for pole mounting with pole diameter of 60 mm - stainless steel SS316L (1.4404 or V4A) without powder coating	263824	5 kg

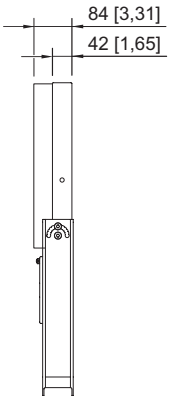
Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations

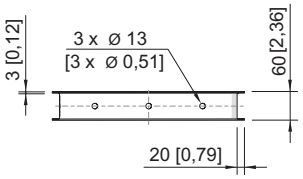






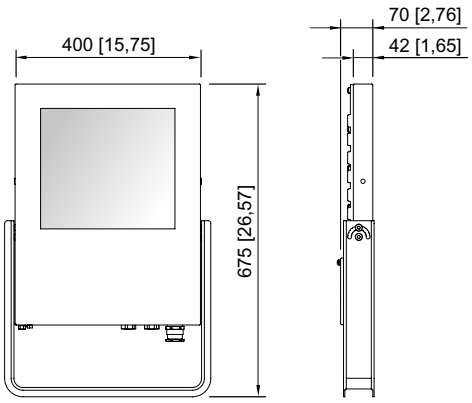
Floodlight with cooling element



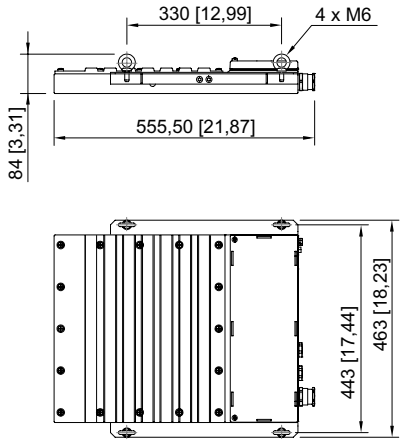


Mounting bracket

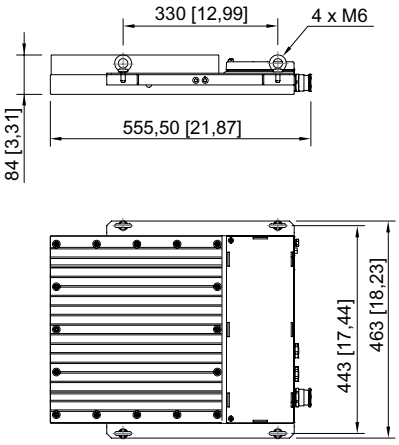
E2



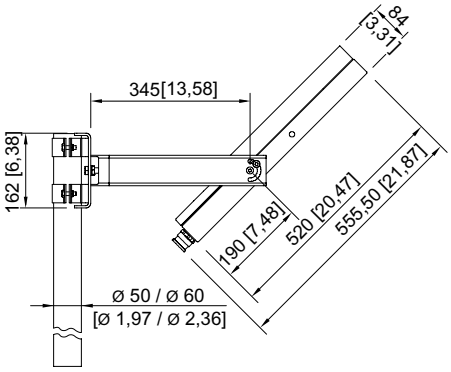
Floodlight without cooling element



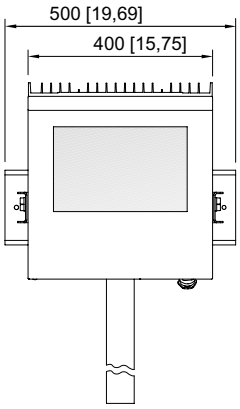
Floodlight without cooling element, with ring eyes

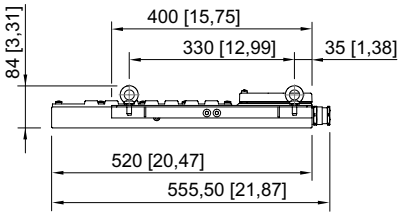


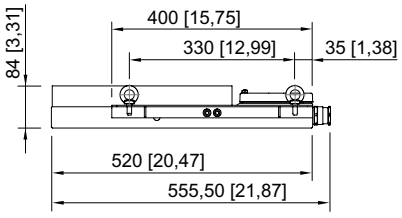
Floodlight with cooling element, with ring eyes

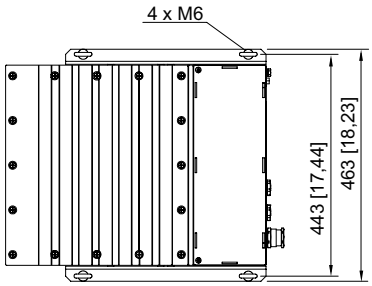


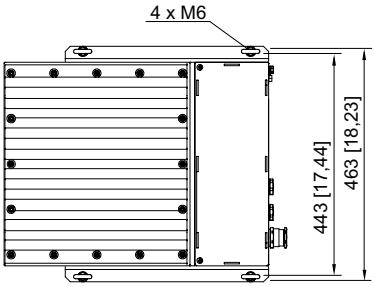
Floodlight with pole mounting

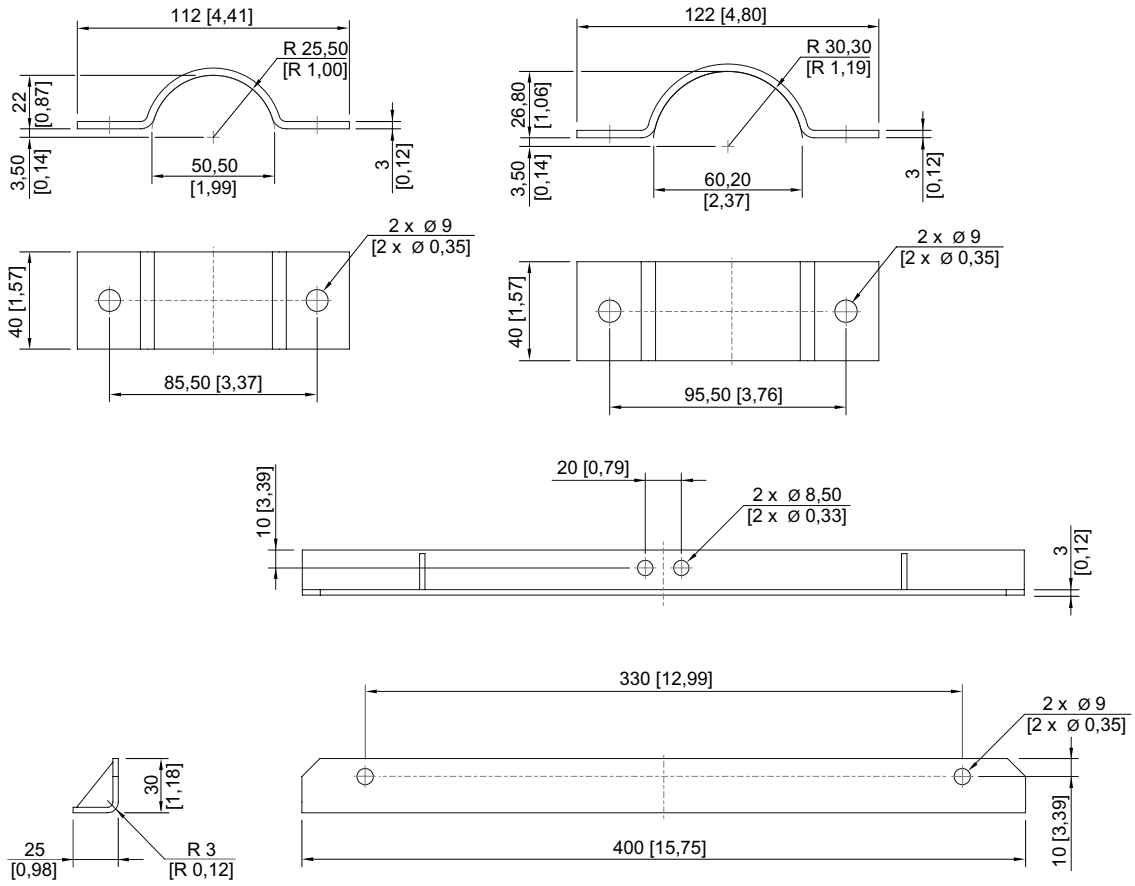




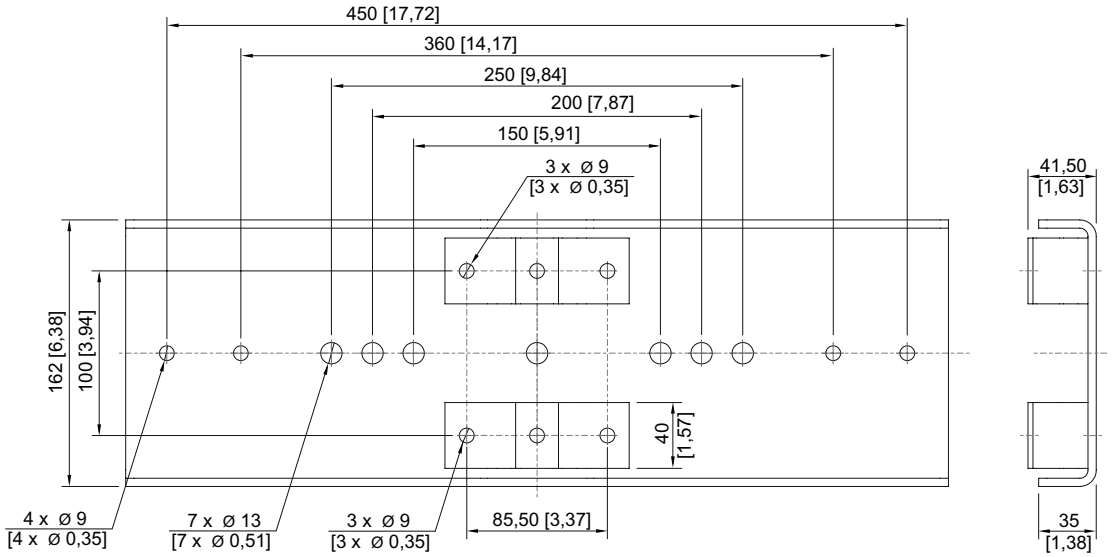


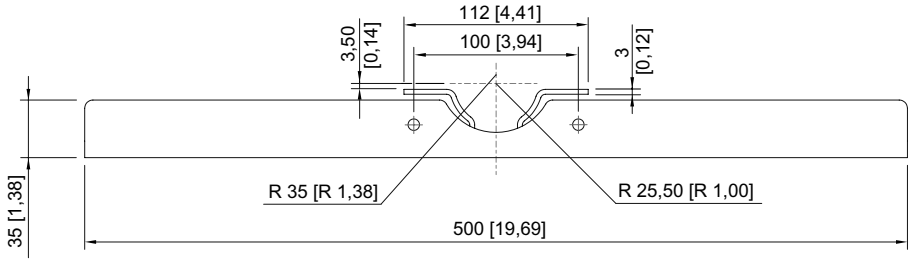


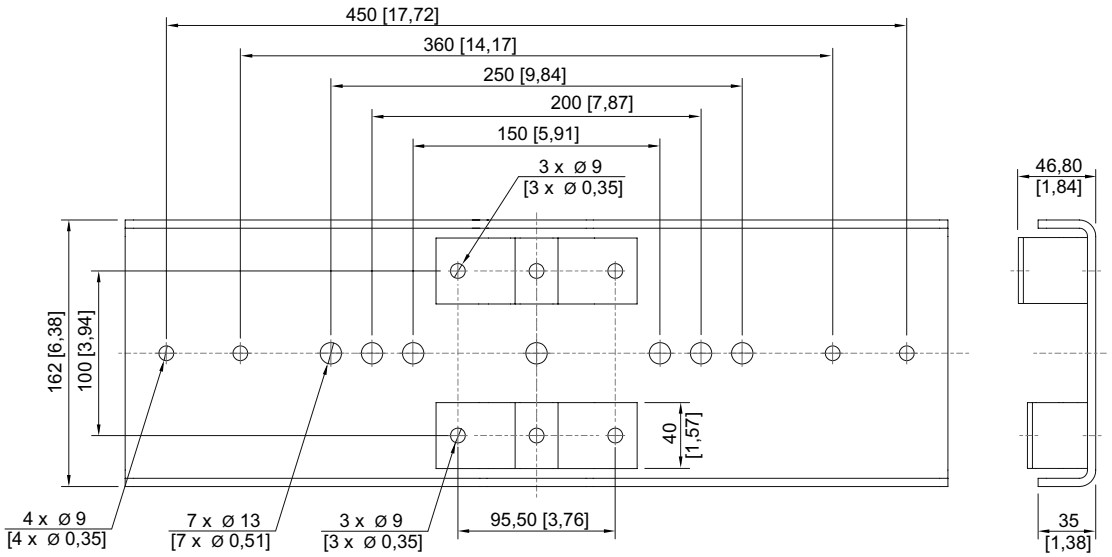


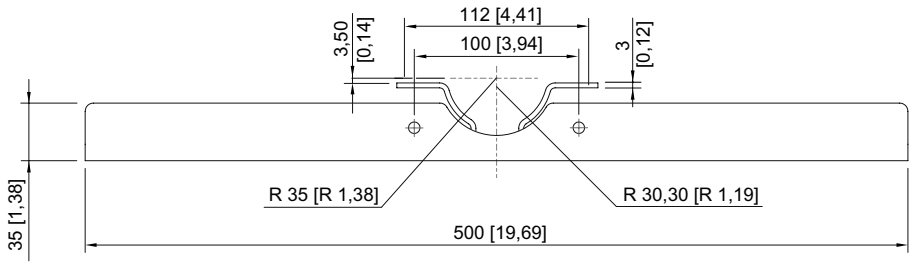

112 [4,41]
R 25,50
[R 1,00]
22
[0,87]
3,50
[0,14]
50,50
[1,99]
3
[0,12]
122 [4,80]
R 30,30
[R 1,19]
26,80
[1,06]
3,50
[0,14]
60,20
[2,37]
3
[0,12]
2 x Ø 9
[2 x Ø 0,35]
40 [1,57]
85,50 [3,37]
2 x Ø 9
[2 x Ø 0,35]
40 [1,57]
95,50 [3,76]
20 [0,79]
2 x Ø 8,50
[2 x Ø 0,33]
10 [3,39]
3
[0,12]
330 [12,99]
2 x Ø 9
[2 x Ø 0,35]
30
[1,18]
25
[0,98]
R 3
[R 0,12]
400 [15,75]
10 [3,39]

E2


450 [17,72]
360 [14,17]
250 [9,84]
200 [7,87]
150 [5,91]
3 x Ø 9
[3 x Ø 0,35]
41,50
[1,63]
162 [6,38]
100 [3,94]
40
[1,57]
4 x Ø 9
[4 x Ø 0,35]
7 x Ø 13
[7 x Ø 0,51]
3 x Ø 9
[3 x Ø 0,35]
85,50 [3,37]
35
[1,38]


112 [4,41]
100 [3,94]
3,50
[0,14]
3
[0,12]
R 35 [R 1,38]
R 25,50 [R 1,00]
35 [1,38]
500 [19,69]


450 [17,72]
360 [14,17]
250 [9,84]
200 [7,87]
150 [5,91]
3 x Ø 9
[3 x Ø 0,35]
46,80
[1,84]
162 [6,38]
100 [3,94]
40
[1,57]
4 x Ø 9
[4 x Ø 0,35]
7 x Ø 13
[7 x Ø 0,51]
3 x Ø 9
[3 x Ø 0,35]
95,50 [3,76]
35
[1,38]


112 [4,41]
100 [3,94]
3,50
[0,14]
3
[0,12]
R 35 [R 1,38]
R 30,30 [R 1,19]
35 [1,38]
500 [19,69]



- Extremely compact universal light fitting with 4 power classes
- Can be used as a ceiling light fitting, pendant light fitting or floodlight
- Three light distribution curves available: Ultra-wide-beam, wide-beam and medium-wide-beam
- Glare-free thanks to opaque light fitting covering
- Quick, easy installation thanks to Ex e connection chamber
- Universally suitable for use in particularly cold environments as cold as -55 °C
- Suitable for particularly high ambient temperatures up to +70 °C

MY R. STAHL **6050C**

The 6050/6 universal spotlight is equipment used for lighting areas, work equipment and objects. It can be used indoors and outdoors. The clear lens is available in a matted version to limit the glare. Using an internal reflector, the universal spotlight can be adapted as a narrow beam, wide beam or a medium-wide beam to suit the lighting task.

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

Selection Table

Lamp wattage			20 W						
Version	Interfaces	Wire guard	Reflector	Protective glass version	Luminous flux	Luminaire efficacy	Product Type	Art. No.	Weight
Ceiling mounting	–	No	No	Matt	1900 lm	114 lm/W	6050/604-202-6B2-200850-000	267555	6.75 kg
		No	No	Clear	2000 lm	122 lm/W	6050/604-202-6B2-000850-000	265418	6.75 kg
		Yes	No	Matt	1900 lm	114 lm/W	6050/604-202-6B2-300850-000	267469	7.04 kg
		Yes	No	Clear	2000 lm	122 lm/W	6050/604-202-6B2-100850-000	265419	7.04 kg
Lamp wattage			40 W						
Version	Interfaces	Wire guard	Reflector	Protective glass version	Luminous flux	Luminaire efficacy	Product Type	Art. No.	Weight
Bracket mounting	DALI	No	No	Clear	5100 lm	127 lm/W	6050/604-401-7B2-000850-001	272489	8.23 kg
		No	Yes	Clear	5100 lm	127 lm/W	6050/604-401-7B2-008850-001	272491	8.23 kg
		Yes	No	Clear	5100 lm	127 lm/W	6050/604-401-7B2-100850-001	272490	8.52 kg
		Yes	Yes	Clear	5100 lm	127 lm/W	6050/604-401-7B2-108850-001	272492	8.52 kg
Ceiling mounting	–	No	No	Matt	4700 lm	117 lm/W	6050/604-400-6B2-200850-000	267466	6.75 kg
		Yes	No	Matt	4700 lm	117 lm/W	6050/604-400-6B2-300850-000	267470	7.04 kg

E2

Selection Table

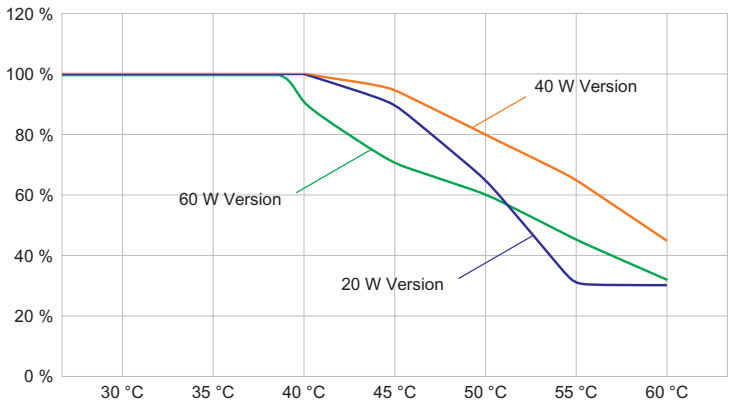
Lamp wattage			40 W						
Version	Interfaces	Wire guard	Reflector	Protective glass version	Luminous flux	Luminaire efficacy	Product Type	Art. No.	Weight
Conduit mounting	–	No	No	Clear	4700 lm	117 lm/W	6050/604-400-6B2-000850-004	282972	7.03 kg
		No	Yes	Clear	5100 lm	127 lm/W	6050/604-400-6B2-008850-004	282973	7.03 kg
		Yes	No	Clear	4700 lm	117 lm/W	6050/604-400-6B2-100850-004	282974	7.05 kg
		Yes	Yes	Clear	5100 lm	127 lm/W	6050/604-400-6B2-108850-004	282975	7.05 kg
Lamp wattage			60 W						
Version	Interfaces	Wire guard	Reflector	Protective glass version	Luminous flux	Luminaire efficacy	Product Type	Art. No.	Weight
Bracket mounting	DALI	No	No	Clear	7400 lm	122 lm/W	6050/604-601-7B2-000850-001	272480	8.23 kg
		No	Yes	Clear	7400 lm	122 lm/W	6050/604-601-7B2-008850-001	272482	8.23 kg
		Yes	No	Clear	7400 lm	122 lm/W	6050/604-601-7B2-100850-001	272481	8.52 kg
		Yes	Yes	Clear	7400 lm	122 lm/W	6050/604-601-7B2-108850-001	272483	8.52 kg
Conduit mounting	–	No	No	Clear	7400 lm	122 lm/W	6050/604-600-6B2-000850-004	282976	7.03 kg
		No	Yes	Clear	7400 lm	122 lm/W	6050/604-600-6B2-008850-004	283121	7.03 kg
		Yes	No	Clear	7400 lm	122 lm/W	6050/604-600-6B2-100850-004	283122	7.05 kg
		Yes	Yes	Clear	7400 lm	122 lm/W	6050/604-600-6B2-108850-004	283123	7.05 kg
Lamp wattage			80 W						
Version	Interfaces	Wire guard	Reflector	Protective glass version	Luminous flux	Luminaire efficacy	Product Type	Art. No.	Weight
Bracket mounting	DALI	No	Yes	Clear	8800 lm	113 lm/W	6050/604-801-7B2-008850-001	270016	8.23 kg
		Yes	Yes	Clear	8800 lm	113 lm/W	6050/604-801-7B2-108850-001	270020	8.52 kg
Conduit mounting	DALI	No	No	Clear	8800 lm	113 lm/W	6050/604-801-7B2-000850-004	283124	7.03 kg
		No	Yes	Clear	8800 lm	113 lm/W	6050/604-801-7B2-008850-004	283125	7.03 kg
		Yes	No	Clear	8800 lm	113 lm/W	6050/604-801-7B2-100850-004	283126	7.05 kg
		Yes	Yes	Clear	8800 lm	113 lm/W	6050/604-801-7B2-108850-004	283127	7.05 kg
Pendant mounting	DALI	No	No	Clear	8800 lm	113 lm/W	6050/604-801-7B2-000850-002	270017	6.86 kg
		No	Yes	Clear	8800 lm	113 lm/W	6050/604-801-7B2-008850-002	270018	6.86 kg
Bracket mounting	DALI	No	No	Matt	8100 lm	104 lm/W	6050/604-801-7B2-200850-001	276008	8.23 kg
		No	No	Clear	8800 lm	113 lm/W	6050/604-801-7B2-000850-001	270015	8.23 kg
		Yes	No	Clear	8800 lm	113 lm/W	6050/604-801-7B2-100850-001	270019	8.52 kg

Technical Data

Explosion Protection	
IECEx gas explosion protection	Ex db eb op is IIC T4 Gb

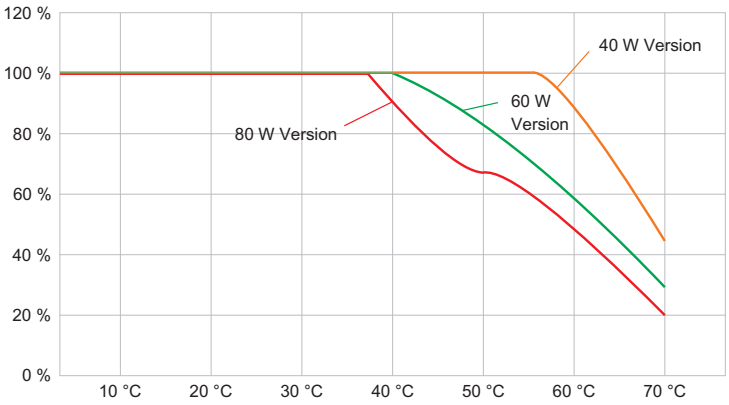
Technical Data	
Explosion Protection	
IECEx dust explosion protection	Ex tb op is IIIC T110 °C Db
ATEX gas explosion protection	II 2 G Ex db eb op is IIC T4 Gb
ATEX dust explosion protection	II 2 D Ex tb op is IIIC T110 °C Db
Certificates	ATEX (BVIS), Brazil (ULB), IECEx (BVIS), Polen (CNBOP)
Declaration of Conformity	ATEX (EUK), Declaration of Conformity (AUS)
Notes	For temperature classes and surface temperatures, see selection table
Electrical Data	
Rated operational voltage AC	220 ... 240 V
Frequency range	50 – 60 Hz
Ambient Conditions	
Ambient temperature °C	-40 – 60 °C
Lighting Data	
Lamp	LED
Light colour	5000 K – neutral white
Colour rendering	≥ 80
Colour temperature	5000 K
Mechanical Data	
Degree of protection (IP)	IP66 / IP68 (10 m)
Enclosure material	Aluminium, Seawater-resistant
Sealing material	Silicone
Max. solid connection terminals	6 mm²
Max. finely stranded connection terminals	4 mm²
Type of connection cable	Finely stranded Solid Finely stranded with clip
Size	1
Components	
Cable glands and entries	1 x M25 x 1.5
Stopping plugs	1 x M25 x 1.5
Wire guard	No

Technical Drawings – Subject to Alterations



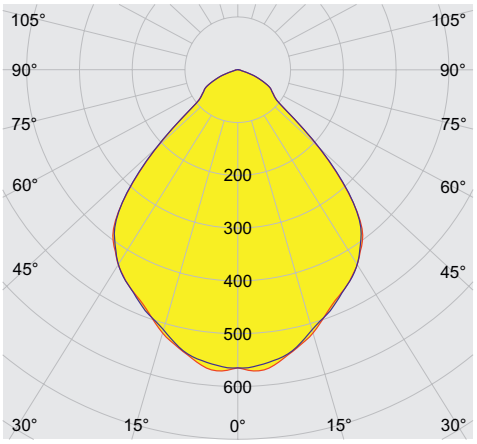
Luminous flux decrease at ambient temperature - variants with DALI

E2



Luminous flux decrease at ambient temperature - variants without DALI

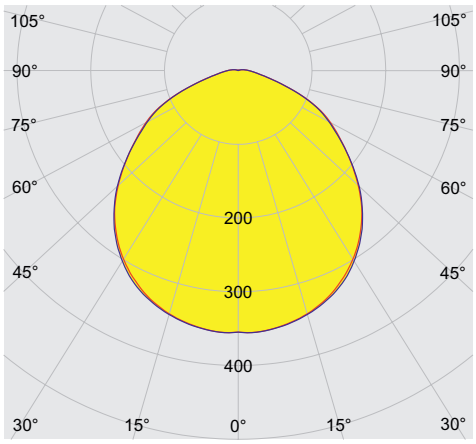
Light Distribution Curves – Subject to Alterations



cd/klm η = 100%

C0 - C180 C90 - C270

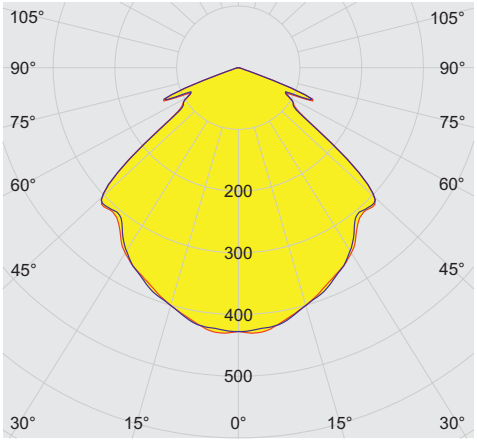
With internal reflector, protection glass clear



cd/klm η = 100%

C0 - C180 C90 - C270

Without internal reflector, protection glass diffuse

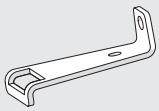
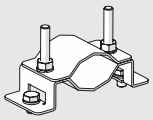
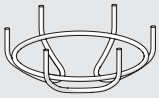


cd/klm η = 100%

C0 - C180 C90 - C270

Without internal reflector, protection glass clear

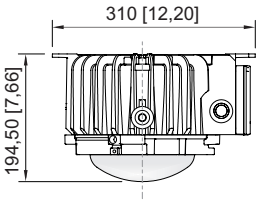
Accessories

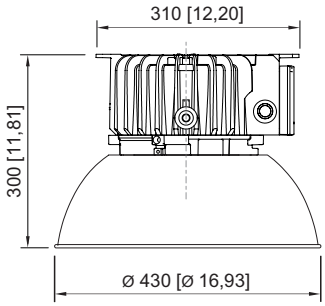
Figure	Description	Art. No.	Weight
Mounting bracket			
	Complete; made from stainless steel (for subsequent self-mounting) For 6050/6	265877	1.48 kg
	The stainless steel mounting fixture is fastened to the enclosure of the pendant light fitting series 6050/6 by means of two stainless steel screws M8.	269716	350 g
Pipe clamp			
	for pipe R 1 1/4" to 2"	268967	450 g
Plastic cable gland			
	8161/7-M25-1707 7 to 17 mm² 1 piece	229918	19 g
	8161/7-M25-1707, Ex e Plastic, M25 x 1.5, cable outer diameter 7 to 17 mm Lot size 50 pieces	239157	19 g
Ring bolt			
	M8, für 6050/6, direct mounting; 1 pair	265874	400 g
	M10, direct mounting in insert nuts; 1 pair	118560	210 g
Stopping plug			
	8290/3-M25 Plastic, M25 x 1.5 Lot size 1 piece	143524	10 g
Wire guard			
	Complete with mounting parts Material: Stainless steel wire For 6050/6	221774	450 g

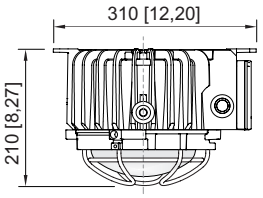
Lot size: Purchase order quantity in [pieces], the delivery quantity is automatically rounded to the lot size.

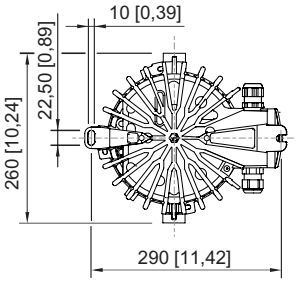
E2

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

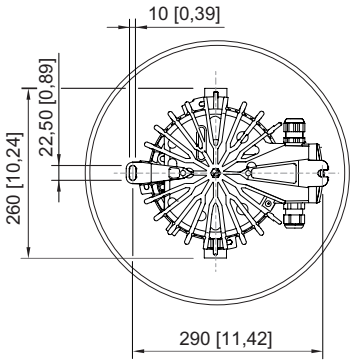




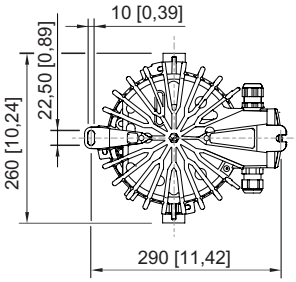




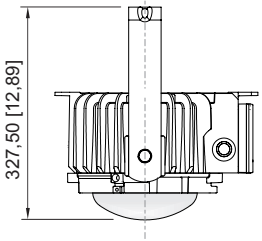
Standard

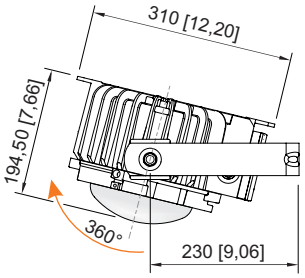


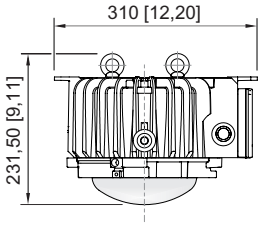
With antiglare device

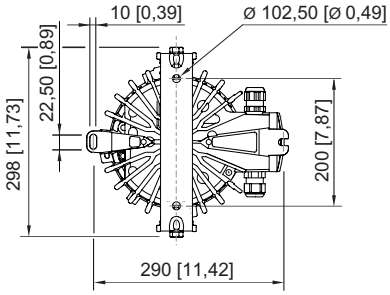


With wire guard

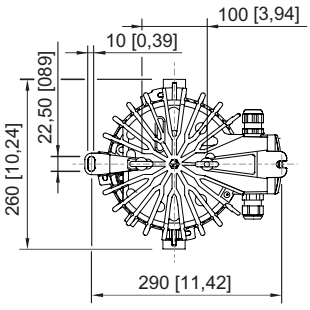




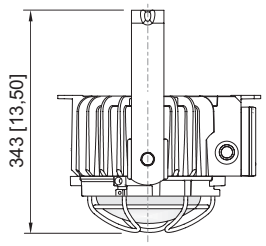


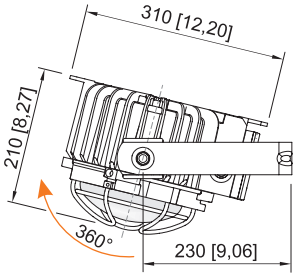


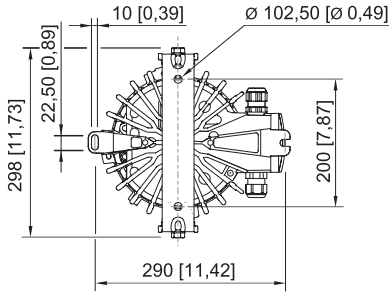
With mounting bracket



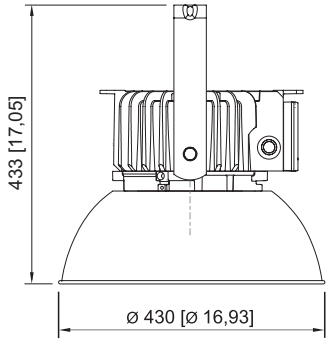
With ring eyes

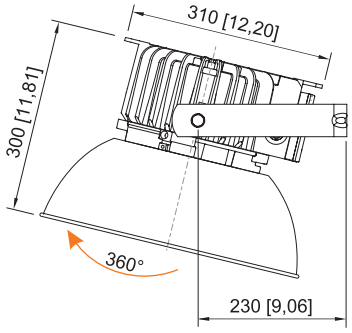


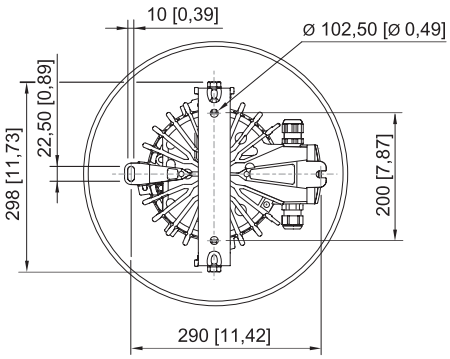




With wire guard and mounting bracket

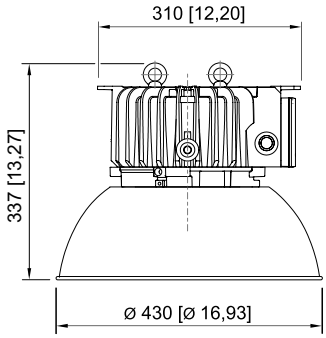


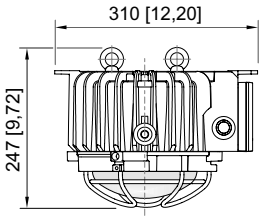


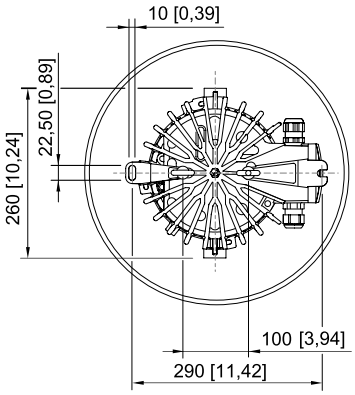


With antiglare device and mounting bracket

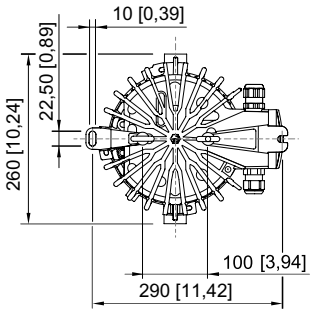
E2



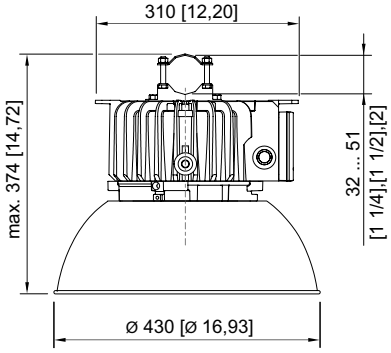


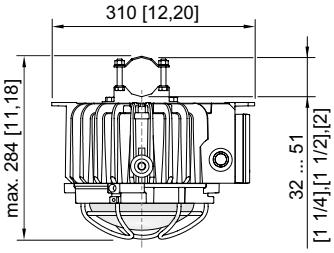


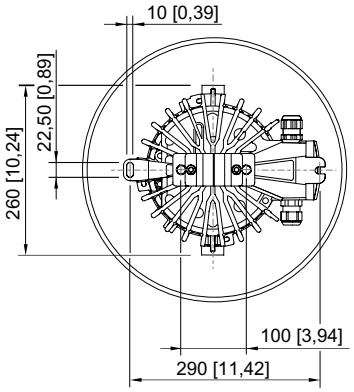
With antiglare device and ring eyes



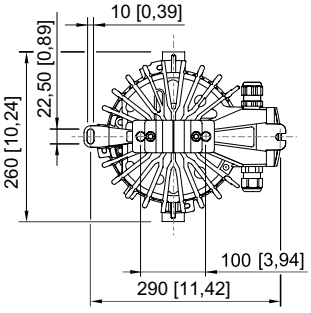
With wire guard and ring eyes



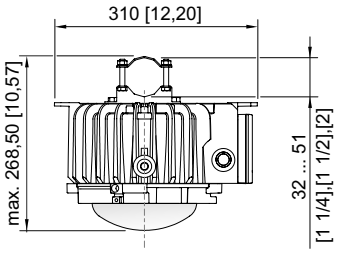


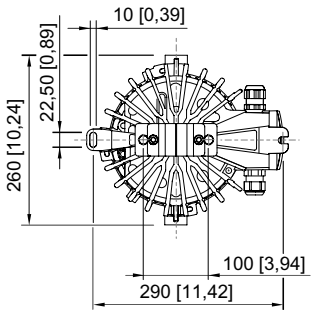


With antiglare device and pipe clamp



With wire guard and pipe clamp





With pipe clamp

Inrush current

Power	DALI function	Start-up current
20 W	without	Ipeak = 25 A, Delta t = 150 µs
40 W / 60 W	without	Ipeak = 55 A, Delta t = 230 µs
40 W / 60 W / 80 W	with	Ipeak = 57 A, Delta t = 210 µs

Maximum number of luminaires per miniature circuit breaker at 230 V:

Power	Type	10 A	16 A	20 A	25 A
20 W	B	23	36	45	57
	C	39	61	76	96
40 W / 60 W	B	7	11	13	17
	C	11	18	22	28
DALI 40 W / 60 W / 80 W	B	7	12	14	21
	C	11	19	23	32



- LED high-power floodlight with power consumption of up to 225 W
- Wide-range voltage input between 110 V and 277 V (50 Hz and 60 Hz)
- Suitable for operation in central battery systems and DC mains (176 V to 264 V DC)
- Three wattage classes are available: 100 W, 160 W and 225 W
- An enclosure made from stainless steel 316L is also available for marine and offshore applications.
- Optionally available with DALI interface

MY R. STAHL **6125B**

The new generation of LED floodlights for Zone 1 also relies on the tried-and-tested, robust stainless steel enclosure (optionally seawater-resistant stainless steel 316L). However, thanks to their smaller design and a new generation of drivers, they weigh significantly less, thereby improving ergonomics during installation and operation. Now with three power classes and the three tried-and-tested light distribution curves, the LED floodlight generates three colours of LED light – warm white, neutral white and cold white.

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

Selection Table

Colour temperature Light colour Colour rendering		4000 K Warm white ≥ 80					
Enclosure material	Light distribution	Lamp wattage	Luminous flux	Luminaire efficacy	Product Type	Art. No.	Weight
Stainless steel 1.4301, Powder-coated Single-layer powder-coated	Medium-beam	160 W	14888 lm	96 lm/W	6125/2122-3501-6014-331	284569	18.5 kg
	Narrow-beam	225 W	20757 lm	94 lm/W	6125/2121-5501-6014-331	284581	19 kg
	Wide beam	100 W	9860 lm	99 lm/W	6125/2124-1501-6014-331	284567	16.5 kg
		160 W	14097 lm	91 lm/W	6125/2124-3501-6014-331	284568	18.5 kg
		225 W	19261 lm	88 lm/W	6125/2124-5501-6014-331	284570	19 kg
Stainless steel 1.4404, Powder-coated Double powder-coated	Medium-beam	160 W	14888 lm	96 lm/W	6125/2122-3501-6014-242	284584	18.5 kg
	Narrow-beam	225 W	20757 lm	94 lm/W	6125/2121-5501-6014-242	284586	19 kg
	Wide beam	100 W	9860 lm	99 lm/W	6125/2124-1501-6014-242	284582	16.5 kg
		160 W	14097 lm	91 lm/W	6125/2124-3501-6014-242	284583	18.5 kg
		225 W	19261 lm	88 lm/W	6125/2124-5501-6014-242	284585	19 kg

Floodlight LED
Series 6125/2

E2

Selection Table

Colour temperature Light colour Colour rendering		5000 K Neutral white ≥ 80					
Enclosure material	Light distribution	Lamp wattage	Luminous flux	Luminaire efficacy	Product Type	Art. No.	Weight
Stainless steel 1.4301, Powder-coated Single-layer powder-coated	Medium-beam	160 W	15413 lm	99 lm/W	6125/2122-3501-6015-331	284564	18.5 kg
	Narrow-beam	225 W	21490 lm	98 lm/W	6125/2121-5501-6015-331	284566	19 kg
	Wide beam	100 W	10208 lm	102 lm/W	6125/2124-1501-6015-331	284562	16.5 kg
		160 W	14595 lm	94 lm/W	6125/2124-3501-6015-331	284563	18.5 kg
		225 W	19941 lm	91 lm/W	6125/2124-5501-6015-331	284565	19 kg
Stainless steel 1.4404, Powder-coated Double powder-coated	Medium-beam	160 W	15413 lm	99 lm/W	6125/2122-3501-6015-242	282404	18.5 kg
	Narrow-beam	225 W	21490 lm	98 lm/W	6125/2121-5501-6015-242	282406	19 kg
	Wide beam	100 W	10208 lm	102 lm/W	6125/2124-1501-6015-242	282402	16.5 kg
		160 W	14595 lm	94 lm/W	6125/2124-3501-6015-242	282403	18.5 kg
		225 W	19941 lm	91 lm/W	6125/2124-5501-6015-242	282405	19 kg
Colour temperature Light colour Colour rendering		5700 K Cool white ≥ 70					
Enclosure material	Light distribution	Lamp wattage	Luminous flux	Luminaire efficacy	Product Type	Art. No.	Weight
Stainless steel 1.4301, Powder-coated Single-layer powder-coated	Medium-beam	160 W	17444 lm	113 lm/W	6125/2122-3501-6011-331	282394	18.5 kg
	Narrow-beam	225 W	24562 lm	111 lm/W	6125/2121-5501-6011-331	282396	19 kg
	Wide beam	100 W	11574 lm	116 lm/W	6125/2124-1501-6011-331	282392	16.5 kg
		160 W	16631 lm	107 lm/W	6125/2124-3501-6011-331	282393	18.5 kg
		225 W	22654 lm	103 lm/W	6125/2124-5501-6011-331	282395	19 kg
Stainless steel 1.4404, Powder-coated Double powder-coated	Medium-beam	160 W	17444 lm	113 lm/W	6125/2122-3501-6011-242	282399	18.5 kg
	Narrow-beam	225 W	24562 lm	111 lm/W	6125/2121-5501-6011-242	282401	19 kg
	Wide beam	100 W	11574 lm	116 lm/W	6125/2124-1501-6011-242	282397	16.5 kg
		100 W	11574 lm	116 lm/W	6125/2124-1501-6021-242	282407	16.5 kg
		160 W	16631 lm	107 lm/W	6125/2124-3501-6011-242	282398	18.5 kg
		225 W	22654 lm	103 lm/W	6125/2124-5501-6011-242	282400	19 kg

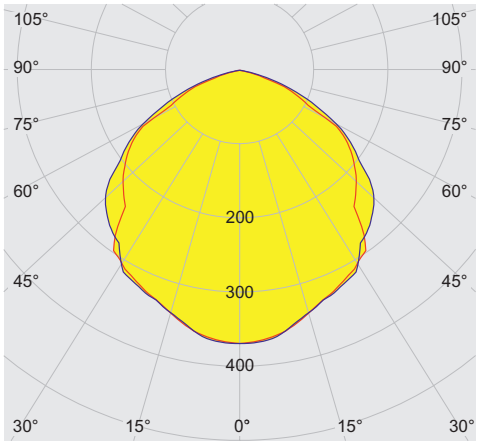
Technical Data

Variant	Floodlight LED 100 W	Floodlight LED 160 W	Floodlight LED 225 W
Explosion Protection			
IECEx gas explosion protection	Ex db eb op is IIC T4 Gb	Ex db eb op is IIC T4 Gb	Ex db eb 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	Ex tb op is IIIC T100 °C Db
ATEX gas explosion protection	Ⓔx II 2 G Ex db eb op is IIC T4 Gb	Ⓔx II 2 G Ex db eb op is IIC T4 Gb	Ⓔx II 2 G Ex db eb op is IIC T4 Gb
ATEX dust explosion protection	Ⓔx II 2 D Ex tb op is IIIC T100 °C Db	Ⓔx II 2 D Ex tb op is IIIC T100 °C Db	Ⓔx II 2 D Ex tb op is IIIC T100 °C Db

Technical Data

Variant	Floodlight LED 100 W	Floodlight LED 160 W	Floodlight LED 225 W
Explosion Protection			
Certificates	ATEX (BVIS), Brazil (ULB), IECEx (BVIS), India (PESO)	ATEX (BVIS), Brazil (ULB), IECEx (BVIS), India (PESO)	ATEX (BVIS), Brazil (ULB), IECEx (BVIS), India (PESO)
Declaration of Conformity	ATEX (EUK)	ATEX (EUK)	ATEX (EUK)
Electrical Data			
Rated operational voltage AC	110 ... 277 V	110 ... 277 V	110 ... 277 V
Frequency range	50 – 60 Hz	50 – 60 Hz	50 – 60 Hz
Ambient Conditions			
Ambient temperature	-50 °C ... +60 °C	-60 °C ... +60 °C	-60 °C ... +60 °C
Min. ambient temperature note	Energise above -40 °C	Energise above -40 °C	Energise above -40 °C
Storage temperature	-40 °C ... +75 °C	-40 °C ... +75 °C	-40 °C ... +75 °C
Lighting Data			
Lamp	LED	LED	LED
Mechanical Data			
Degree of protection (IP)	IP66	IP66	IP66
Class	I	I	I
Sealing material	Silicone	Silicone	Silicone
Pane material	Reinforced glass	Reinforced glass	Reinforced glass
Max. solid connection terminals	6 mm²	6 mm²	6 mm²
Impact strength (IEC 62262)	IK10	IK10	IK10
Fastening	With bracket, SS316L	With bracket, SS316L	With bracket, SS316L
Components			
Cable glands and entries	1 x M25 x 1.5 CMP-25A2F	1 x M25 x 1.5 CMP-25A2F	1 x M25 x 1.5 CMP-25A2F

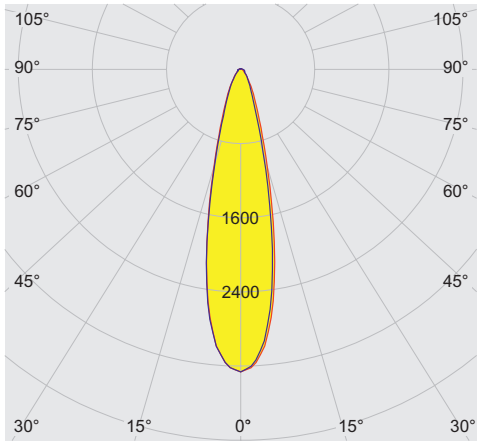
Light Distribution Curves – Subject to Alterations



cd/klm 100%

C0 - C180 C90 - C270

typ. broad beam

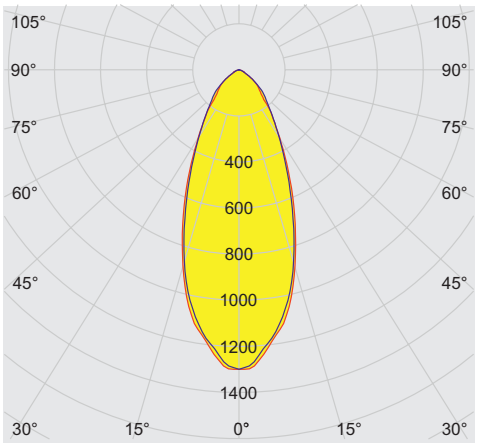


cd/klm 100%

C0 - C180 C90 - C270

typ. narrow beam

E2

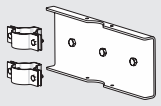


cd/klm 100%

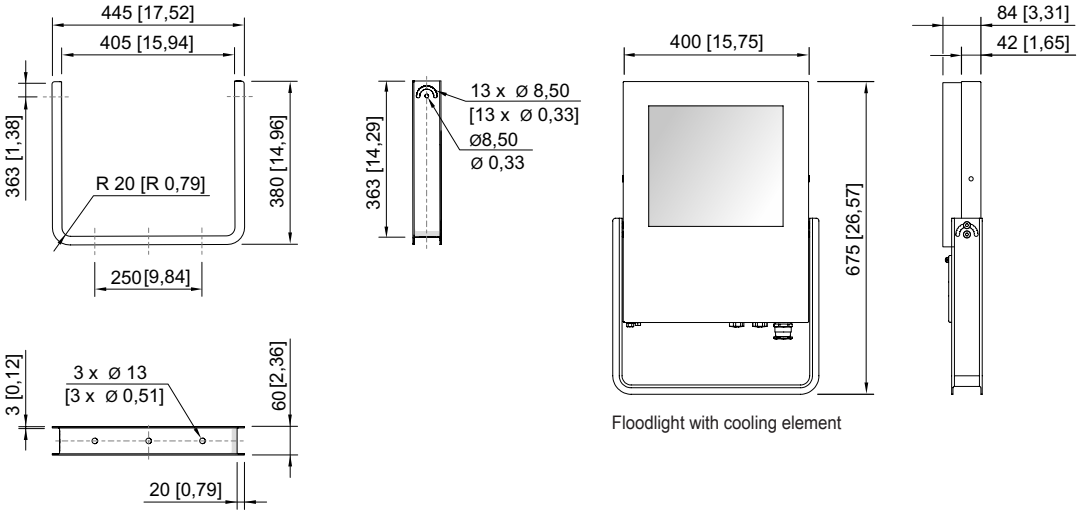
C0 - C180 C90 - C270

typ. medium beam

Accessories

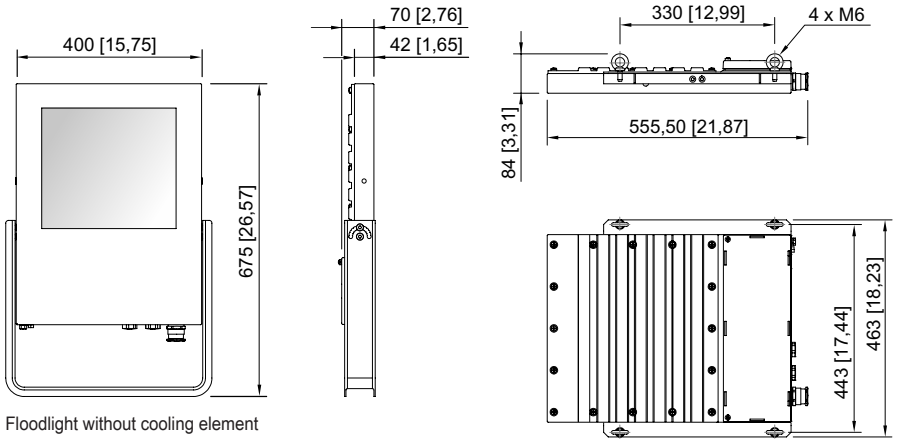
Figure	Description	Art. No.	Weight
Mounting set			
	for pole mounting with pole diameter of 50 mm - stainless steel SS316L (1.4404 or V4A) without powder coating	283361	5 kg
	for pole mounting with pole diameter of 60 mm - stainless steel SS316L (1.4404 or V4A) without powder coating	263824	5 kg
Ring bolt			
	M6 (4 pieces), direct mounting in insert nuts	254234	202 g
Mounting bracket			
	Sheet steel, single powder coated	244604	3.09 kg
	Stainless steel SS316L (1.4404 or V4A) without powder coating	221589	3.13 kg

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



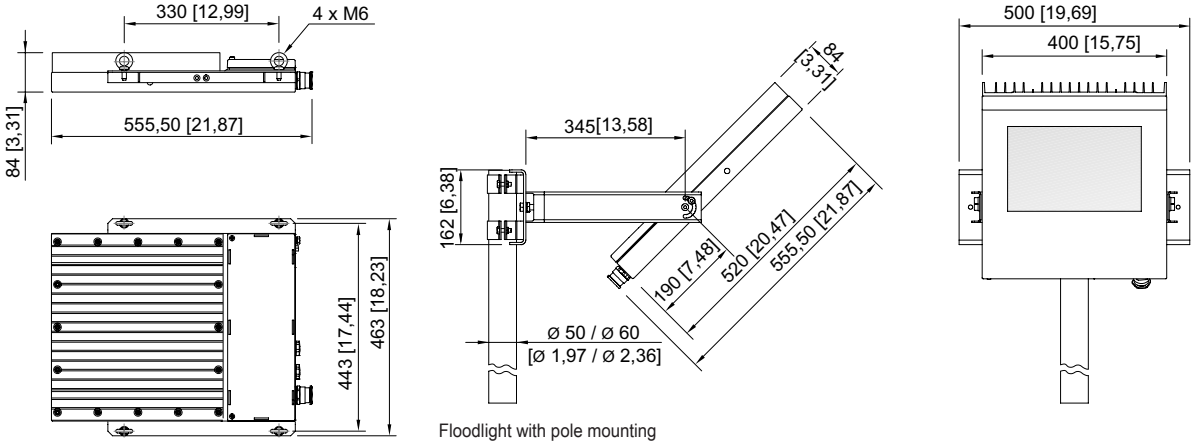
Floodlight with cooling element

Mounting bracket



Floodlight without cooling element

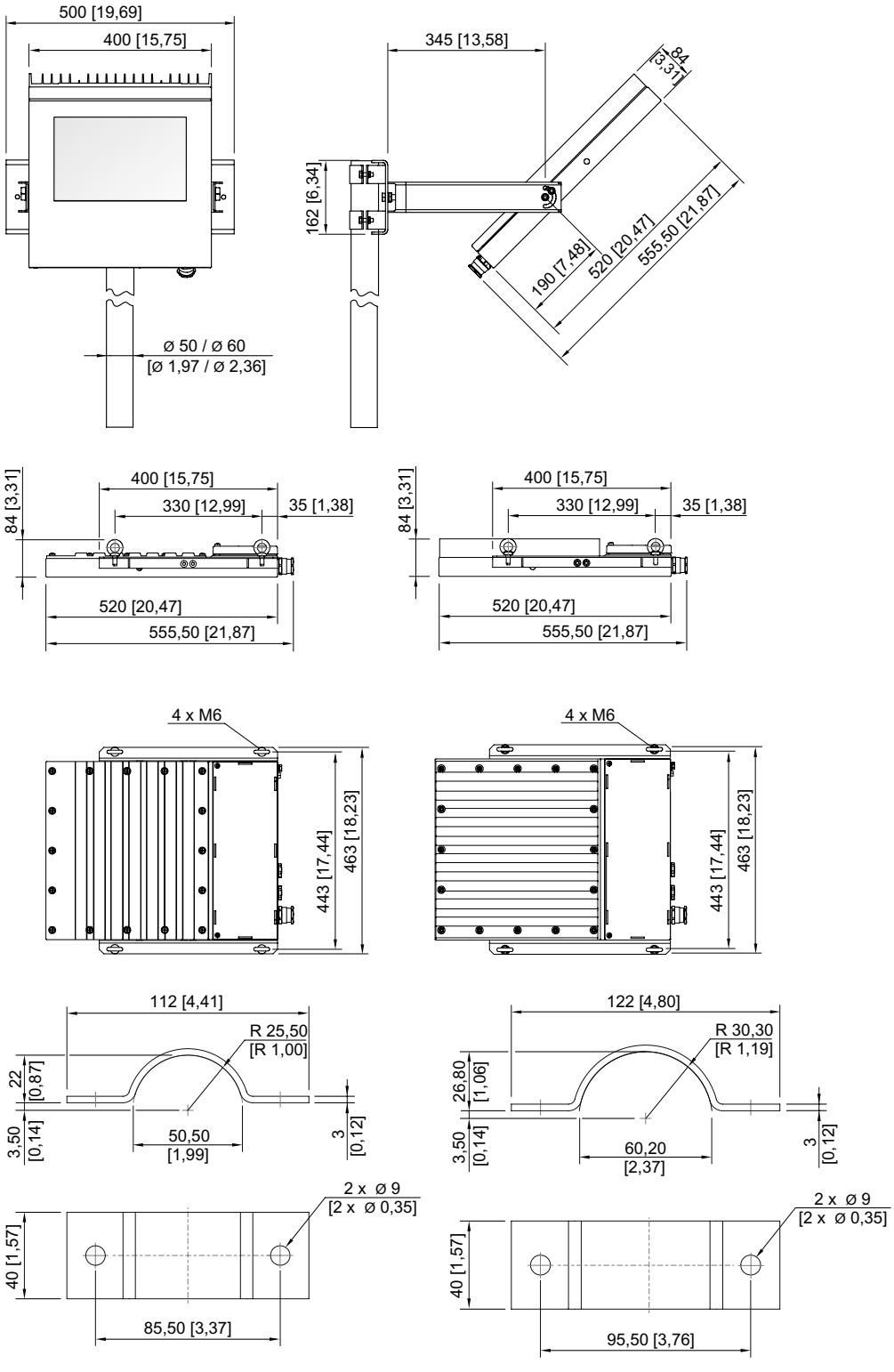
Floodlight without cooling element, with ring eyes

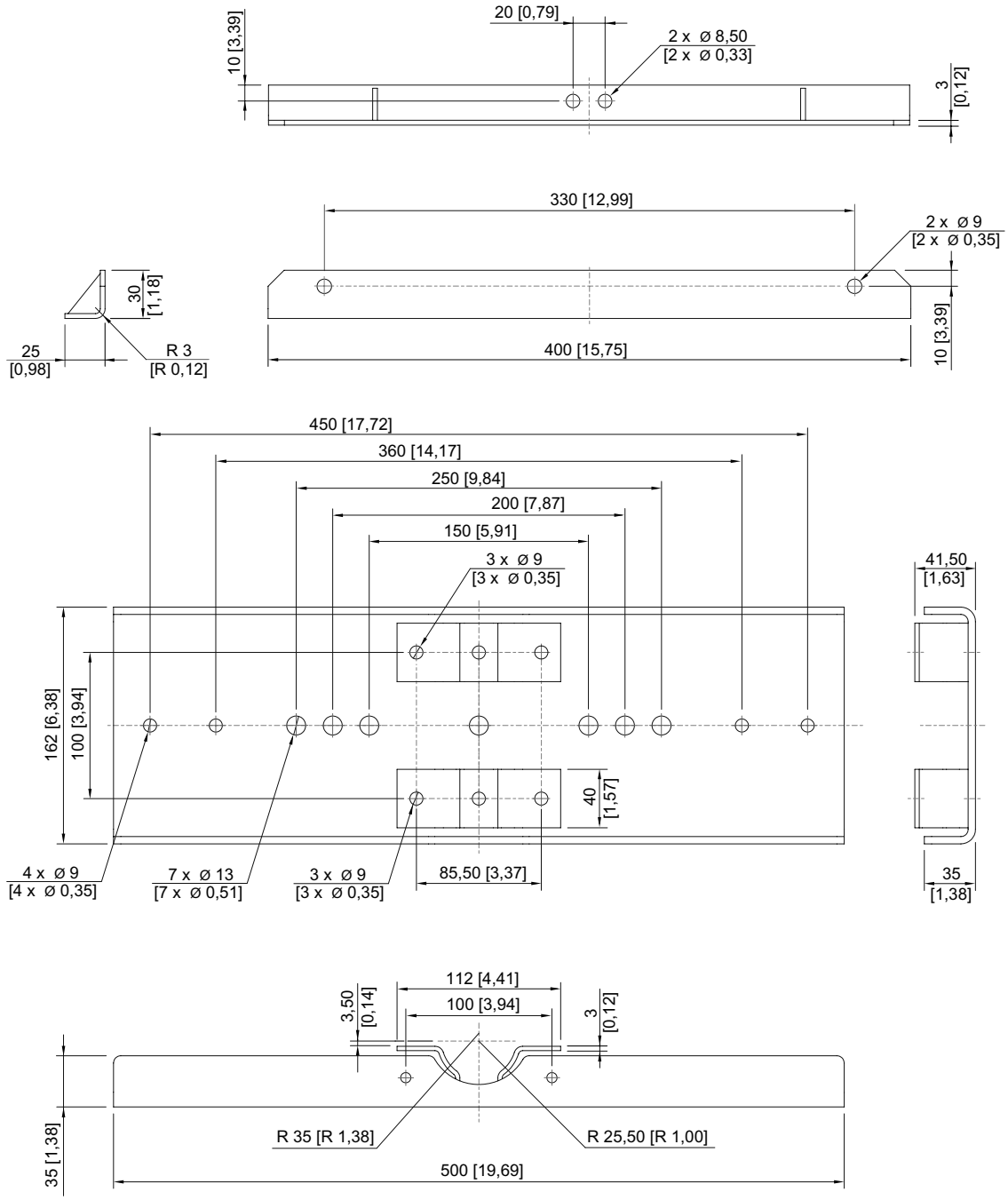


Floodlight with cooling element, with ring eyes

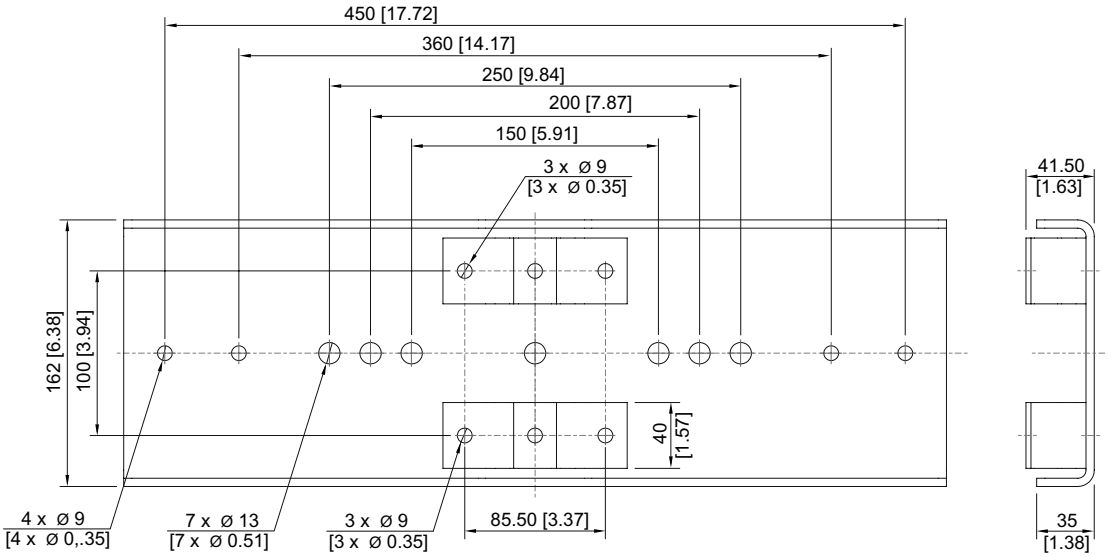
Floodlight with pole mounting

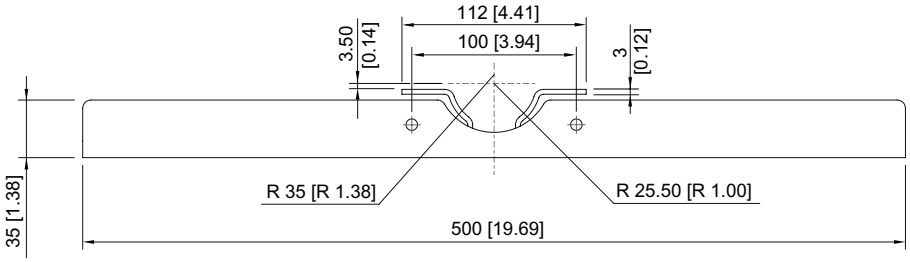
E2

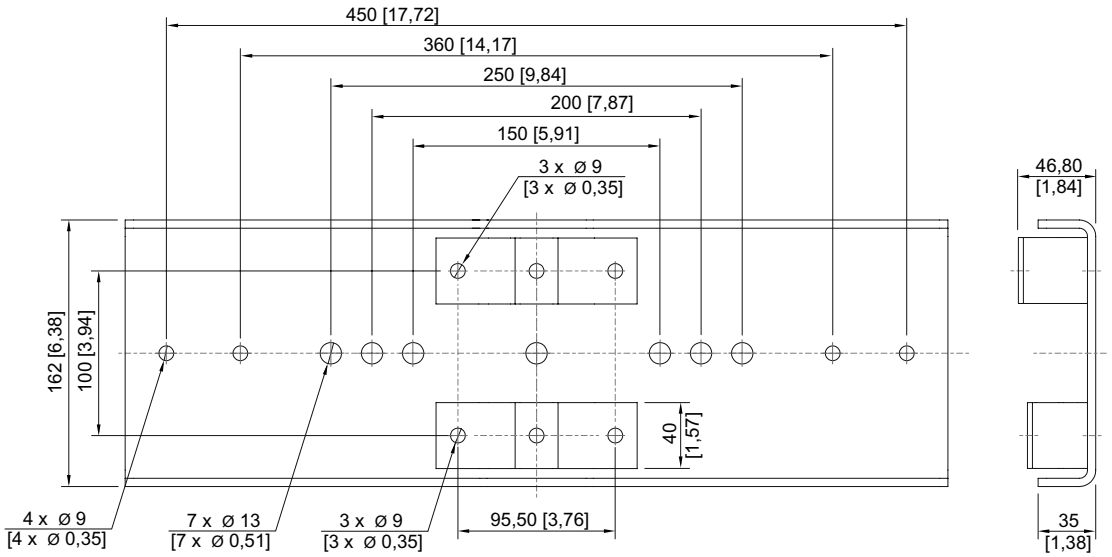

500 [19,69]
400 [15,75]
345 [13,58]
84 [3,31]
162 [6,34]
190 [7,48]
520 [20,47]
555,50 [21,87]
Ø 50 / Ø 60
[Ø 1,97 / Ø 2,36]
84 [3,31]
400 [15,75]
330 [12,99]
35 [1,38]
520 [20,47]
555,50 [21,87]
4 x M6
443 [17,44]
463 [18,23]
112 [4,41]
R 25,50
[R 1,00]
22
[0,87]
3,50
[0,14]
50,50
[1,99]
3
[0,12]
122 [4,80]
R 30,30
[R 1,19]
26,80
[1,06]
60,20
[2,37]
2 x Ø 9
[2 x Ø 0,35]
40 [1,57]
85,50 [3,37]
95,50 [3,76]

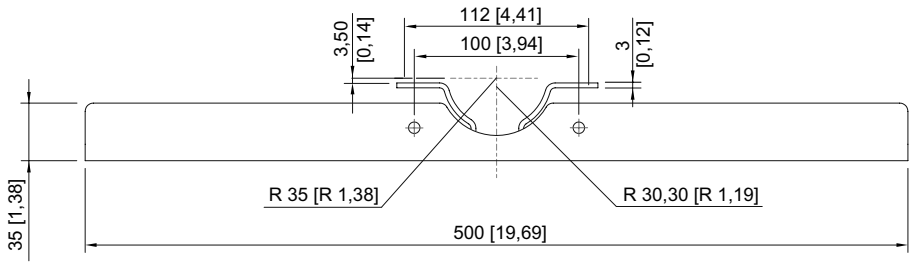

20 [0,79]
2 x ø 8,50
[2 x ø 0,33]
10 [3,39]
3
[0,12]
330 [12,99]
2 x ø 9
[2 x ø 0,35]
30
[1,18]
25
[0,98]
R 3
[R 0,12]
400 [15,75]
10 [3,39]
450 [17,72]
360 [14,17]
250 [9,84]
200 [7,87]
150 [5,91]
3 x ø 9
[3 x ø 0,35]
41,50
[1,63]
162 [6,38]
100 [3,94]
40
[1,57]
4 x ø 9
[4 x ø 0,35]
7 x ø 13
[7 x ø 0,51]
3 x ø 9
[3 x ø 0,35]
85,50 [3,37]
35
[1,38]
112 [4,41]
100 [3,94]
3,50
[0,14]
3
[0,12]
R 35 [R 1,38]
R 25,50 [R 1,00]
35 [1,38]
500 [19,69]

E2

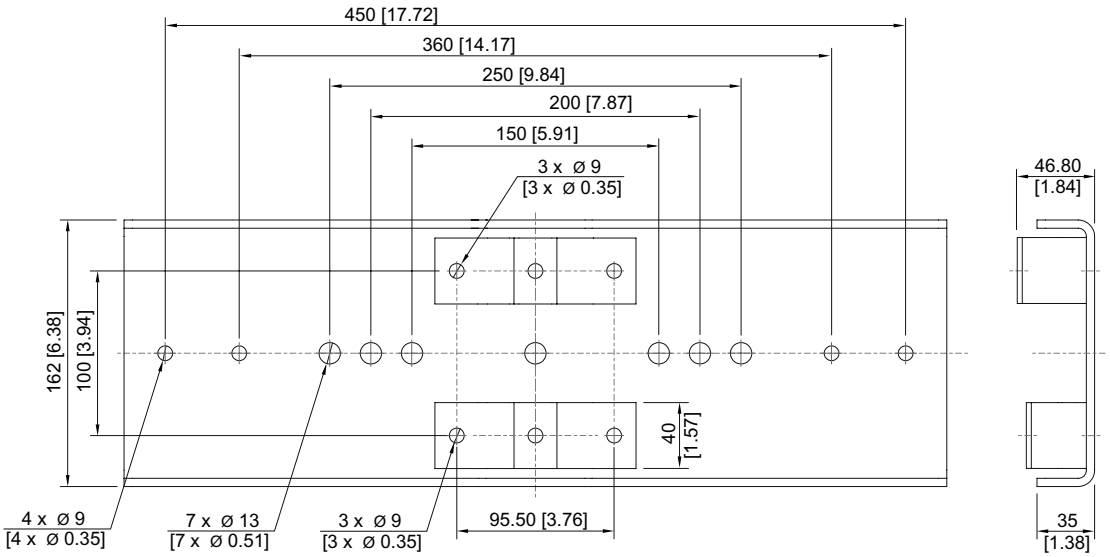

450 [17.72]
360 [14.17]
250 [9.84]
200 [7.87]
150 [5.91]
3 x Ø 9
[3 x Ø 0.35]
41.50
[1.63]
162 [6.38]
100 [3.94]
40
[1.57]
4 x Ø 9
[4 x Ø 0,.35]
7 x Ø 13
[7 x Ø 0.51]
3 x Ø 9
[3 x Ø 0.35]
85.50 [3.37]
35
[1.38]

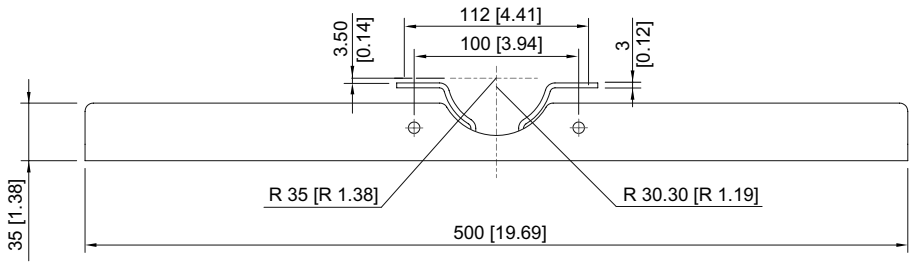

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100 [3.94]
3.50
[0.14]
3
[0.12]
35 [1.38]
R 35 [R 1.38]
R 25.50 [R 1.00]
500 [19.69]


450 [17,72]
360 [14,17]
250 [9,84]
200 [7,87]
150 [5,91]
3 x Ø 9
[3 x Ø 0,35]
46,80
[1,84]
162 [6,38]
100 [3,94]
40
[1,57]
4 x Ø 9
[4 x Ø 0,35]
7 x Ø 13
[7 x Ø 0,51]
3 x Ø 9
[3 x Ø 0,35]
95,50 [3,76]
35
[1,38]


112 [4,41]
100 [3,94]
3,50
[0,14]
3
[0,12]
R 35 [R 1,38]
R 30,30 [R 1,19]
35 [1,38]
500 [19,69]

E2


450 [17.72]
360 [14.17]
250 [9.84]
200 [7.87]
150 [5.91]
3 x Ø 9
[3 x Ø 0.35]
46.80
[1.84]
162 [6.38]
100 [3.94]
40
[1.57]
4 x Ø 9
[4 x Ø 0.35]
7 x Ø 13
[7 x Ø 0.51]
3 x Ø 9
[3 x Ø 0.35]
95.50 [3.76]
35
[1.38]


112 [4.41]
100 [3.94]
3.50
[0.14]
3
[0.12]
R 35 [R 1.38]
R 30.30 [R 1.19]
35 [1.38]
500 [19.69]



- Checked and approved in accordance with Ex ec type of protection, so vapour tightness test is not applicable
- Stainless steel enclosure as standard for a long service life and safety even under harsh ambient conditions
- Extremely wide range of ambient temperatures – between -60 °C and +60 °C
- Robust design with IK10 and IP66
- Wide-range input with optional 100 V to 277 V
- DALI versions available for lighting control, monitoring and switching

MY R. STAHL **6525C**

The revised generation of LED floodlights for Zone 2 now includes a version with Ex ec type of protection especially for the European market. This eliminates the time-consuming vapour tightness test. The wide-range input now also meets the electrical installation conditions for global use. With an optional DALI interface, the floodlight paves the way to a digital lighting solution. Its extremely low start-up current can also support existing installations, as the circuit breakers that are already installed do not need to be replaced.

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

Selection Table

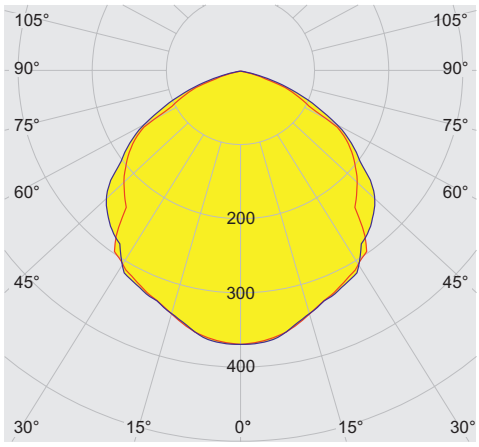
Enclosure material			Stainless steel 1.4301, Powder-coated Single-layer powder-coated						
Lamp wattage	Light distribution	Luminous flux	Luminaire efficacy	Drilled holes	Cable glands and entries	Stopping plugs	Product Type	Art. No.	Weight
100 W	Wide beam	10824 lm	108 lm/W	3 x M25	CMP-25A2F 1 x M25 x 1.5	2 x M25 x 1.5	6525/2224-1501-6015-331	284537	16 kg
160 W	Medium-beam	15413 lm	99 lm/W	3 x M25	CMP-25A2F 1 x M25 x 1.5	2 x M25 x 1.5	6525/2222-3501-6015-331	284539	15 kg
	Wide beam	15550 lm	100 lm/W	3 x M25	CMP-25A2F 1 x M25 x 1.5	2 x M25 x 1.5	6525/2224-3501-6015-331	284538	18 kg
225 W	Narrow-beam	21490 lm	98 lm/W	3 x M25	CMP-25A2F 1 x M25 x 1.5	2 x M25 x 1.5	6525/2221-5501-6015-331	284551	18.5 kg
	Wide beam	20909 lm	95 lm/W	3 x M25	CMP-25A2F 1 x M25 x 1.5	2 x M25 x 1.5	6525/2224-5501-6015-331	284540	18.5 kg
Enclosure material			Stainless steel 1.4404, Powder-coated Double powder-coated						
Lamp wattage	Light distribution	Luminous flux	Luminaire efficacy	Drilled holes	Cable glands and entries	Stopping plugs	Product Type	Art. No.	Weight
100 W	Wide beam	10824 lm	108 lm/W	3 x M25	CMP-25A2F 1 x M25 x 1.5	2 x M25 x 1.5	6525/2224-1501-6015-242	282367	16 kg
160 W	Medium-beam	15413 lm	99 lm/W	3 x M25	CMP-25A2F 1 x M25 x 1.5	2 x M25 x 1.5	6525/2222-3501-6015-242	282369	18 kg
	Wide beam	15550 lm	100 lm/W	3 x M25	CMP-25A2F 1 x M25 x 1.5	2 x M25 x 1.5	6525/2224-3501-6015-242	282368	18 kg
225 W	Narrow-beam	21490 lm	98 lm/W	3 x M25	CMP-25A2F 1 x M25 x 1.5	2 x M25 x 1.5	6525/2221-5501-6015-242	282370	18.5 kg
	Wide beam	20909 lm	95 lm/W	3 x M25	CMP-25A2F 1 x M25 x 1.5	2 x M25 x 1.5	6525/2224-5501-6015-242	282377	18.5 kg

Floodlight LED
Series 6525/22 (Ex ec)

Technical Data

Variant	Floodlight LED 100 W	Floodlight LED 160 W	Floodlight LED 225 W
Explosion Protection			
IECEx gas explosion protection	Ex db ec IIC T4 Gc	Ex db ec IIC T4 Gc	Ex db ec IIC T4 Gc
IECEx dust explosion protection	Ex tb op is IIIC T100 °C Db	Ex tb op is IIIC T100 °C Db	Ex tb op is IIIC T100 °C Db
ATEX gas explosion protection	Ⓔx II 3 G Ex db ec IIC T4 Gc	Ⓔx II 3 G Ex db ec IIC T4 Gc	Ⓔx II 3 G Ex db ec IIC T4 Gc
ATEX dust explosion protection	Ⓔx II 2 D Ex tb op is IIIC T100 °C Db	Ⓔx II 2 D Ex tb op is IIIC T100 °C Db	Ⓔx II 2 D Ex tb op is IIIC T100 °C Db
Certificates	ATEX (BVIS), IECEx (BVIS), India (PESO)	ATEX (BVIS), IECEx (BVIS), India (PESO)	ATEX (BVIS), IECEx (BVIS), India (PESO)
Declaration of Conformity	ATEX (EUK)	ATEX (EUK)	ATEX (EUK)
Electrical Data			
Rated operational voltage AC	110 ... 277 V	110 ... 277 V	110 ... 277 V
Frequency range	50 – 60 Hz	50 – 60 Hz	50 – 60 Hz
Ambient Conditions			
Ambient temperature	-50 °C ... +60 °C	-60 °C ... +60 °C	-60 °C ... +60 °C
Min. ambient temperature note	Energise above -40 °C	Energise above -40 °C	Energise above -40 °C
Storage temperature	-40 °C ... +75 °C	-40 °C ... +75 °C	-40 °C ... +75 °C
Lighting Data			
Lamp	LED	LED	LED
Colour rendering	≥ 80	≥ 80	≥ 80
Colour temperature	5000 K	5000 K	5000 K
Mechanical Data			
Degree of protection (IP)	IP66	IP66	IP66
Class	I	I	I
Sealing material	Silicone	Silicone	Silicone
Pane material	Reinforced glass	Reinforced glass	Reinforced glass
Max. solid connection terminals	6 mm²	6 mm²	6 mm²
Impact strength (IEC 62262)	IK10	IK10	IK10
Fastening	With bracket, SS316L	With bracket, SS316L	With bracket, SS316L

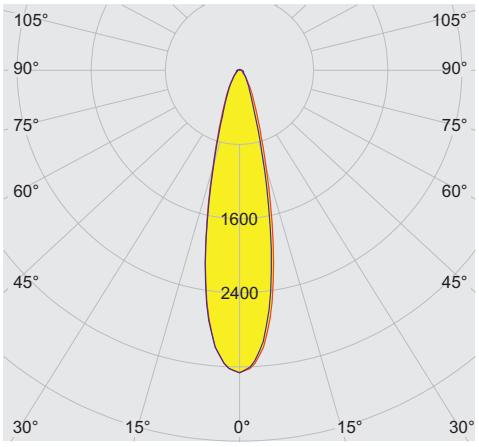
Light Distribution Curves – Subject to Alterations



cd/klm 100%

C0 - C180 C90 - C270

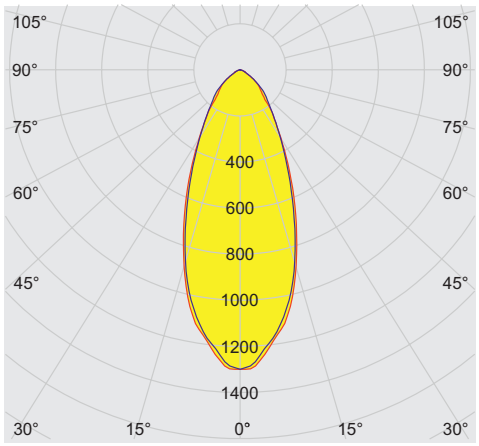
typ. broad beam



cd/klm 100%

C0 - C180 C90 - C270

typ. narrow beam

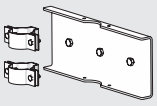


cd/klm 100%

C0 - C180 C90 - C270

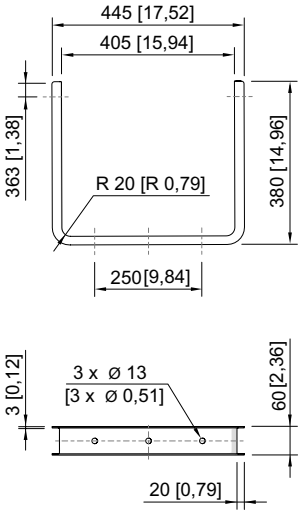
typ. medium beam

Accessories

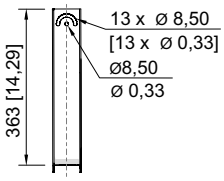
Figure	Description	Art. No.	Weight
Mounting set			
	for pole mounting with pole diameter of 50 mm - stainless steel SS316L (1.4404 or V4A) without powder coating	283361	5 kg
	for pole mounting with pole diameter of 60 mm - stainless steel SS316L (1.4404 or V4A) without powder coating	263824	5 kg
Ring bolt			
	M6 (4 pieces), direct mounting in insert nuts	254234	202 g
Mounting bracket			
	Sheet steel, single powder coated	244604	3.09 kg
	Stainless steel SS316L (1.4404 or V4A) without powder coating	221589	3.13 kg

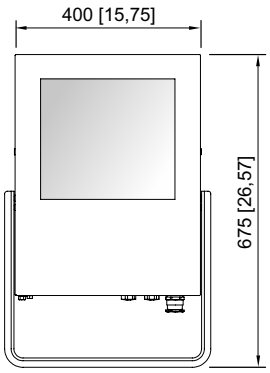
E2

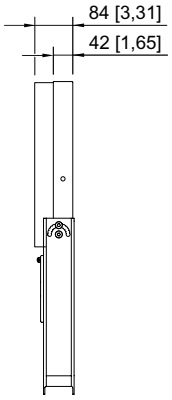
Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



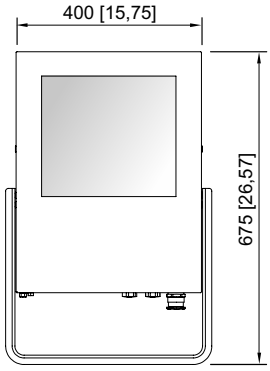
Mounting bracket

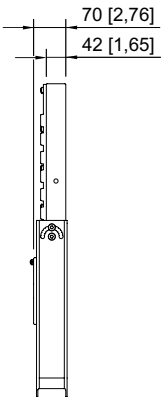




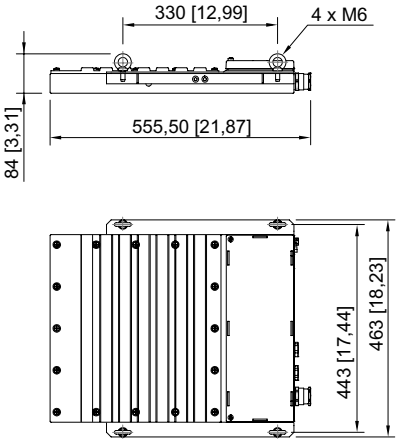


Floodlight with cooling element

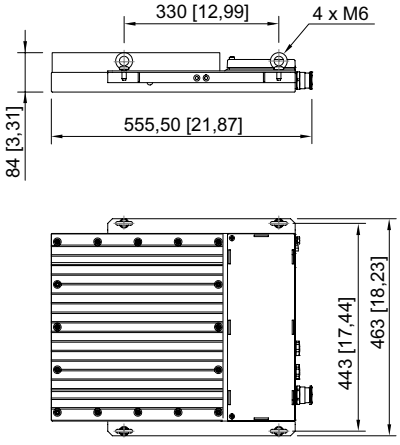




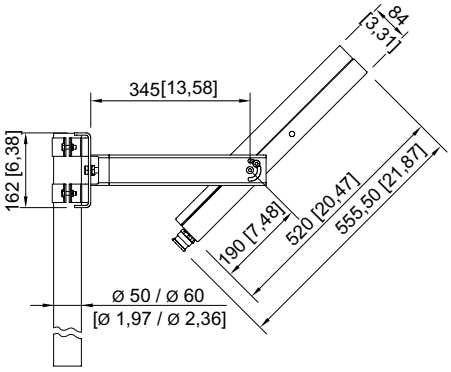
Floodlight without cooling element



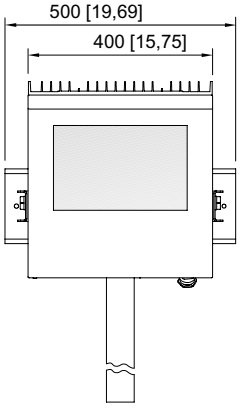
Floodlight without cooling element, with ring eyes

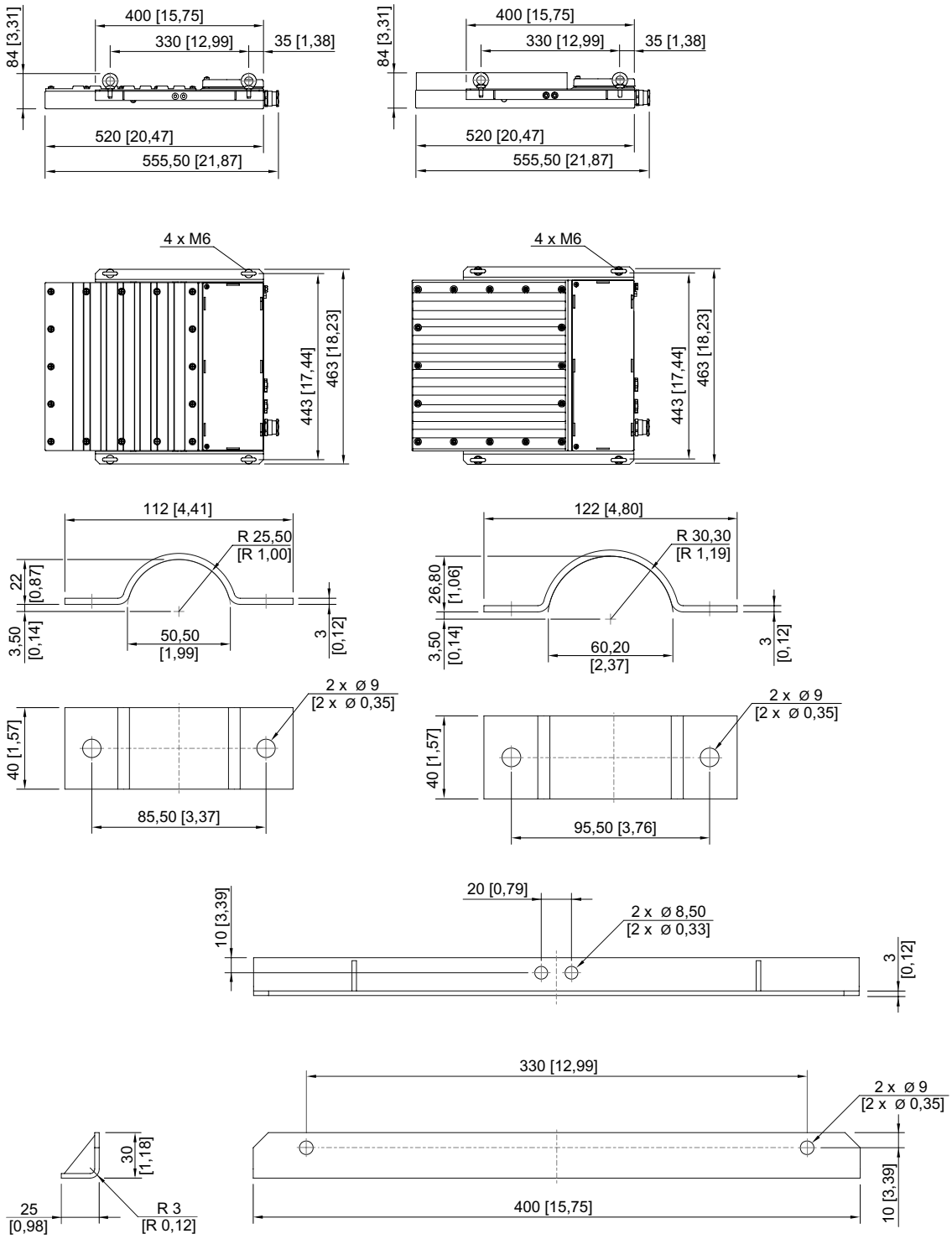


Floodlight with cooling element, with ring eyes

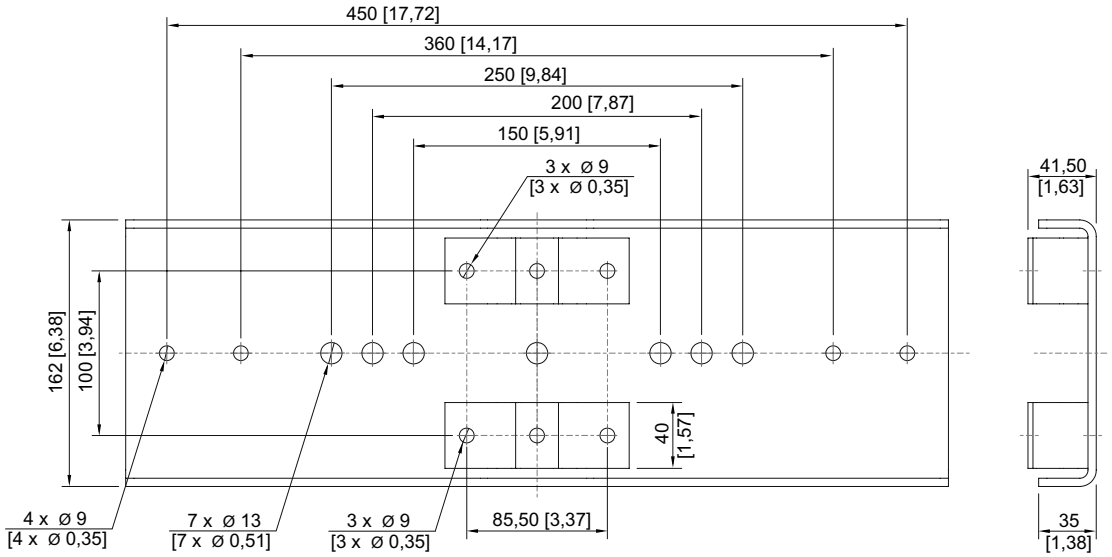


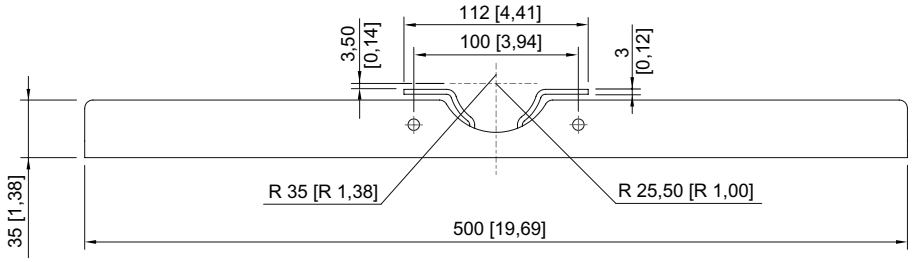
Floodlight with pole mounting

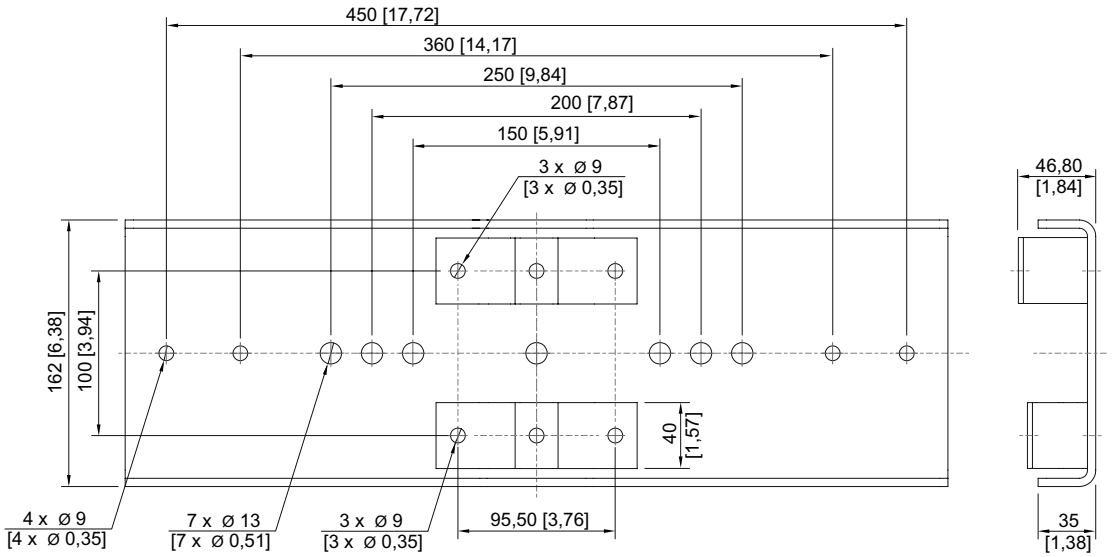


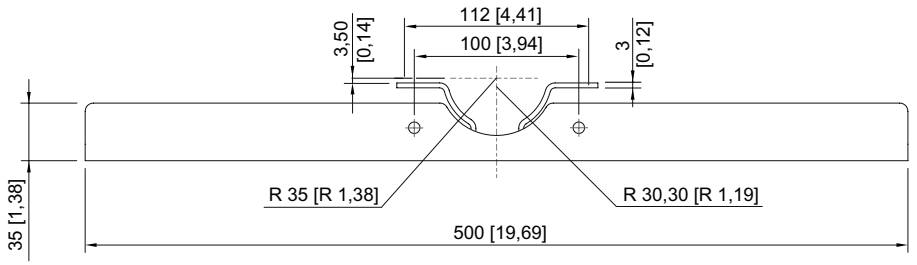

400 [15,75]
330 [12,99]
35 [1,38]
84 [3,31]
520 [20,47]
555,50 [21,87]
4 x M6
443 [17,44]
463 [18,23]
112 [4,41]
R 25,50
[R 1,00]
22
[0,87]
3,50
[0,14]
50,50
[1,99]
3
[0,12]
122 [4,80]
R 30,30
[R 1,19]
26,80
[1,06]
60,20
[2,37]
2 x Ø 9
[2 x Ø 0,35]
40 [1,57]
85,50 [3,37]
95,50 [3,76]
20 [0,79]
2 x Ø 8,50
[2 x Ø 0,33]
10 [3,39]
330 [12,99]
30
[1,18]
25
[0,98]
R 3
[R 0,12]
400 [15,75]

E2


450 [17,72]
360 [14,17]
250 [9,84]
200 [7,87]
150 [5,91]
3 x Ø 9
[3 x Ø 0,35]
41,50
[1,63]
162 [6,38]
100 [3,94]
40
[1,57]
4 x Ø 9
[4 x Ø 0,35]
7 x Ø 13
[7 x Ø 0,51]
3 x Ø 9
[3 x Ø 0,35]
85,50 [3,37]
35
[1,38]


112 [4,41]
100 [3,94]
3,50
[0,14]
3
[0,12]
R 35 [R 1,38]
R 25,50 [R 1,00]
35 [1,38]
500 [19,69]


450 [17,72]
360 [14,17]
250 [9,84]
200 [7,87]
150 [5,91]
3 x Ø 9
[3 x Ø 0,35]
46,80
[1,84]
162 [6,38]
100 [3,94]
40
[1,57]
4 x Ø 9
[4 x Ø 0,35]
7 x Ø 13
[7 x Ø 0,51]
3 x Ø 9
[3 x Ø 0,35]
95,50 [3,76]
35
[1,38]


112 [4,41]
100 [3,94]
3,50
[0,14]
3
[0,12]
R 35 [R 1,38]
R 30,30 [R 1,19]
35 [1,38]
500 [19,69]



- Stainless steel enclosure as standard for a long service life and safety even under harsh ambient conditions
- Extremely wide range of ambient temperatures – between -60 °C and +60 °C
- Robust design with IK10 and IP66
- Wide-range input with optional 100 V to 277 V
- DALI versions available for lighting control, monitoring and switching

WebCode 6525C

The wide-range input now also meets the electrical installation conditions for global use. With an optional DALI interface, the floodlight paves the way to a digital lighting solution. Its extremely low start-up current can also support existing installations, as the circuit breakers that are already installed do not need to be replaced.

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

Selection Table

Enclosure material		Stainless steel 1.4301, Powder-coated Single-layer powder-coated				
Lamp wattage	Light distribution	Luminous flux	Luminaire efficacy	Product Type	Art. No.	Weight
100 W	Wide beam	12315 lm	123 lm/W	6525/2124-1701-6021-331	282307	15.5 kg
160 W	Medium-beam	17444 lm	113 lm/W	6525/2122-3701-6021-331	282309	15.5 kg
	Wide beam	17640 lm	114 lm/W	6525/2124-3701-6021-331	282308	15.5 kg
225 W	Narrow-beam	24562 lm	111 lm/W	6525/2121-5701-6021-331	282361	18 kg
	Wide beam	23723 lm	108 lm/W	6525/2124-5701-6021-331	282310	18 kg
Enclosure material		Stainless steel 1.4404, Powder-coated Double powder-coated				
Lamp wattage	Light distribution	Luminous flux	Luminaire efficacy	Product Type	Art. No.	Weight
100 W	Wide beam	12315 lm	123 lm/W	6525/2124-1701-6021-242	282371	15.5 kg
160 W	Medium-beam	17444 lm	113 lm/W	6525/2122-3701-6021-242	282373	15.5 kg
	Wide beam	17640 lm	114 lm/W	6525/2124-3701-6021-242	282372	15.5 kg
225 W	Narrow-beam	24562 lm	111 lm/W	6525/2121-5701-6021-242	282375	18 kg
	Wide beam	23723 lm	108 lm/W	6525/2124-5701-6021-242	282374	18 kg

Technical Data

Variant	Floodlight LED 100 W	Floodlight LED 160 W	Floodlight LED 225 W
Explosion Protection			
IECEx gas explosion protection	Ex nR IIC T5 Gc	Ex nR IIC T5 Gc	Ex nR IIC T5 Gc
IECEx dust explosion protection	Ex tb op is IIIC T80 °C Db	Ex tb op is IIIC T100 °C Db	Ex tb op is IIIC T100 °C Db
ATEX gas explosion protection	Ⓔx II 3 G Ex nR IIC T5 Gc	Ⓔx II 3 G Ex nR IIC T5 Gc	Ⓔx II 3 G Ex nR IIC T5 Gc
ATEX dust explosion protection	Ⓔx II 2 D Ex tb op is IIIC T80 °C Db	Ⓔx II 2 D Ex tb op is IIIC T100 °C Db	Ⓔx II 2 D Ex tb op is IIIC T100 °C Db

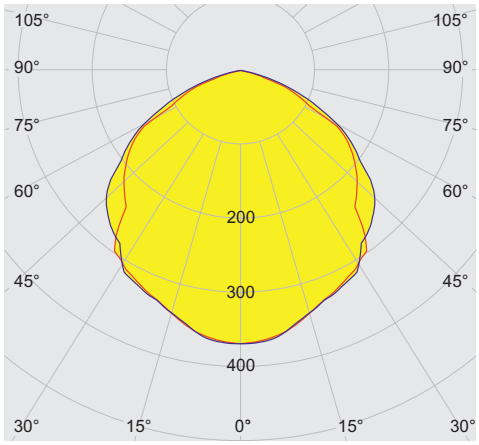
Floodlight LED
Series 6525/21 (Ex nR)

E2

Technical Data

Variant	Floodlight LED 100 W	Floodlight LED 160 W	Floodlight LED 225 W
Explosion Protection			
Certificates	ATEX (BVIS), IECEx (BVIS), India (PESO)	ATEX (BVIS), IECEx (BVIS), India (PESO)	ATEX (BVIS), IECEx (BVIS), India (PESO)
Electrical Data			
Rated operational voltage AC	110 – 277 V	110 – 277 V	110 – 277 V
Frequency range	50 – 60 Hz	50 – 60 Hz	50 – 60 Hz
Ambient Conditions			
Ambient temperature	-50 °C ... +60 °C	-60 °C ... +60 °C	-60 °C ... +60 °C
Min. ambient temperature note	Energise above -40 °C	Energise above -40 °C	Energise above -40 °C
Storage temperature	-40 °C ... +75 °C	-40 °C ... +75 °C	-40 °C ... +75 °C
Lighting Data			
Lamp	LED	LED	LED
Colour rendering	≥ 70	≥ 70	≥ 70
Colour temperature	5700 K	5700 K	5700 K
Mechanical Data			
Degree of protection (IP)	IP66	IP66	IP66
Class	I	I	I
Sealing material	Silicone	Silicone	Silicone
Pane material	Reinforced glass	Reinforced glass	Reinforced glass
Max. solid connection terminals	6 mm²	6 mm²	6 mm²
Impact strength (IEC 62262)	IK10	IK10	IK10
Fastening	With bracket, SS316L	With bracket, SS316L	With bracket, SS316L
Components			
Cable glands and entries	CMP-20A2F 1 x M20 x 1.5	CMP-20A2F 1 x M20 x 1.5	CMP-20A2F 1 x M20 x 1.5
Cable entry accessories	1 x with plug	1 x with plug	1 x with plug

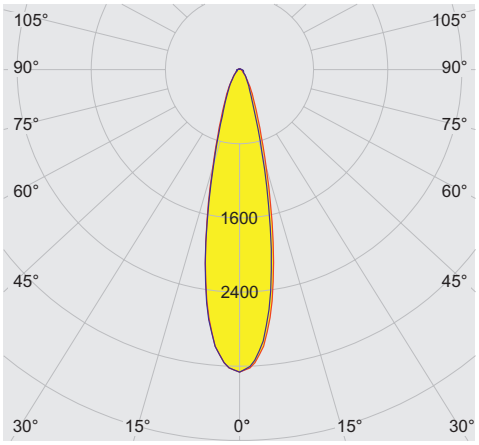
Light Distribution Curves – Subject to Alterations



cd/klm 100%

C0 - C180 C90 - C270

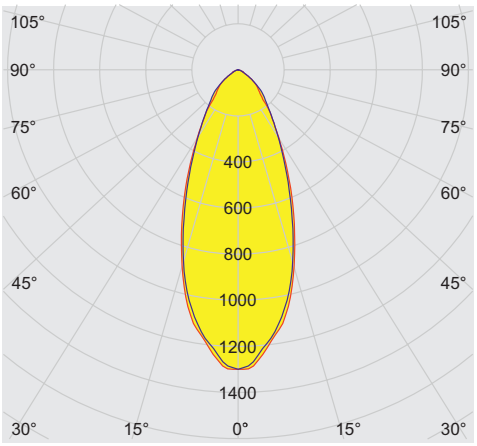
typ. broad beam



cd/klm 100%

C0 - C180 C90 - C270

typ. narrow beam

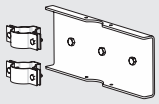


cd/klm 100%

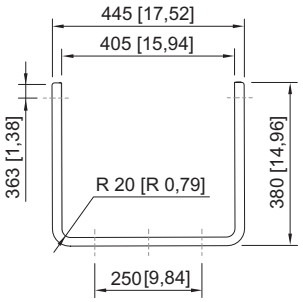
C0 - C180 C90 - C270

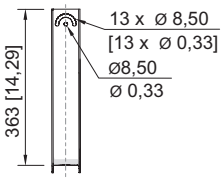
typ. medium beam

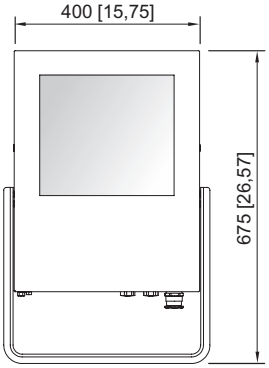
Accessories

Figure	Description	Art. No.	Weight
Mounting bracket			
	Stainless steel SS316L (1.4404 or V4A) without powder coating	221589	3.13 kg
Mounting set			
	for pole mounting with pole diameter of 50 mm - stainless steel SS316L (1.4404 or V4A) without powder coating	283361	5 kg
	for pole mounting with pole diameter of 60 mm - stainless steel SS316L (1.4404 or V4A) without powder coating	263824	5 kg

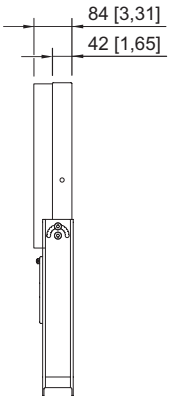
Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations

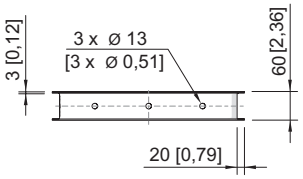






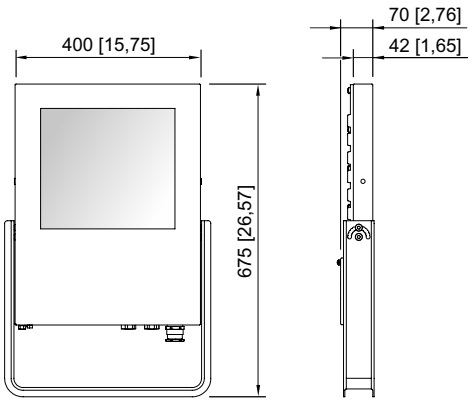
Floodlight with cooling element



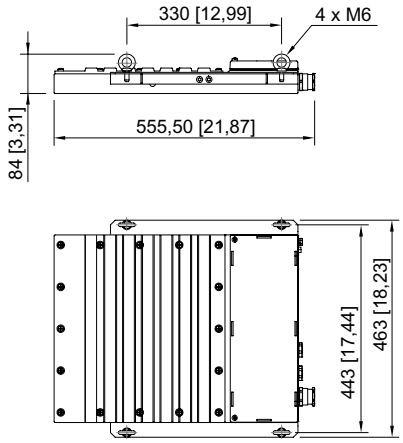


Mounting bracket

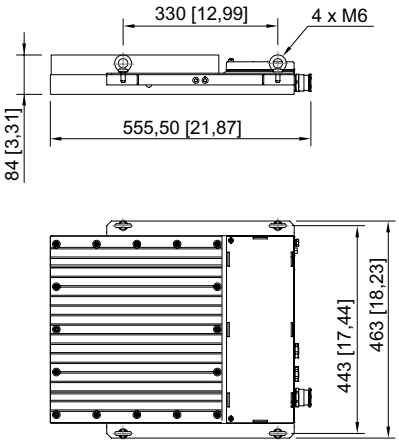
E2



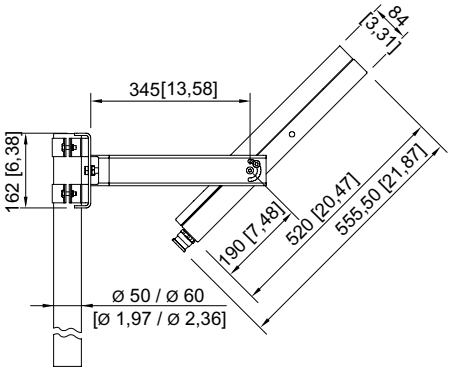
Floodlight without cooling element



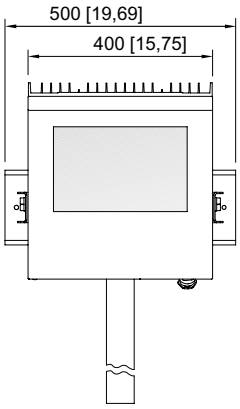
Floodlight without cooling element, with ring eyes

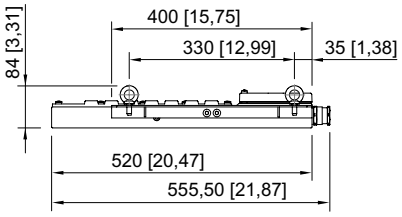


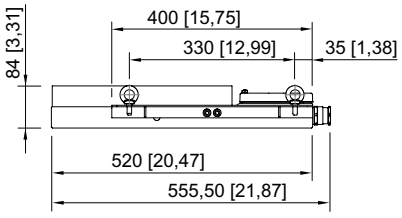
Floodlight with cooling element, with ring eyes

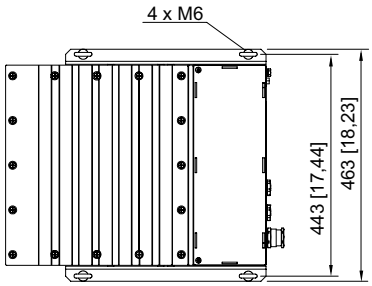


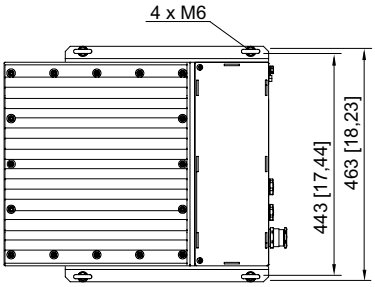
Floodlight with pole mounting

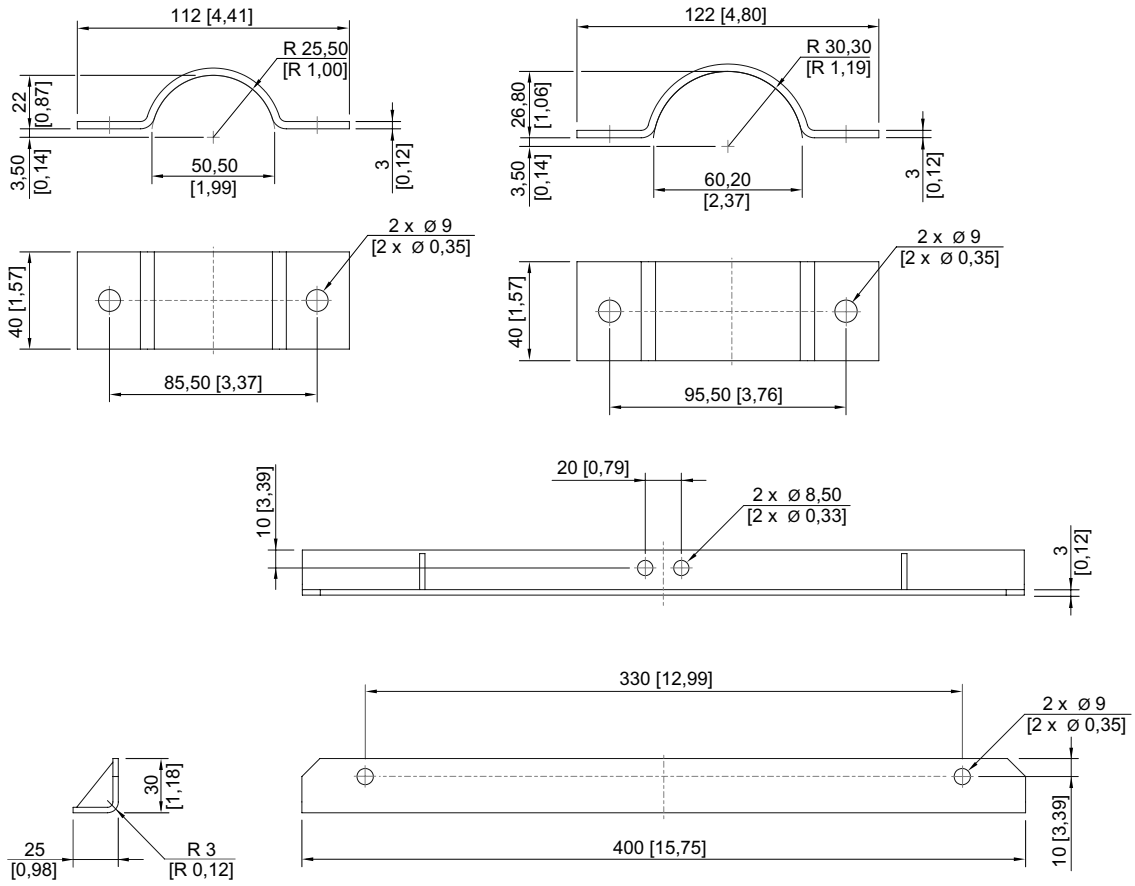




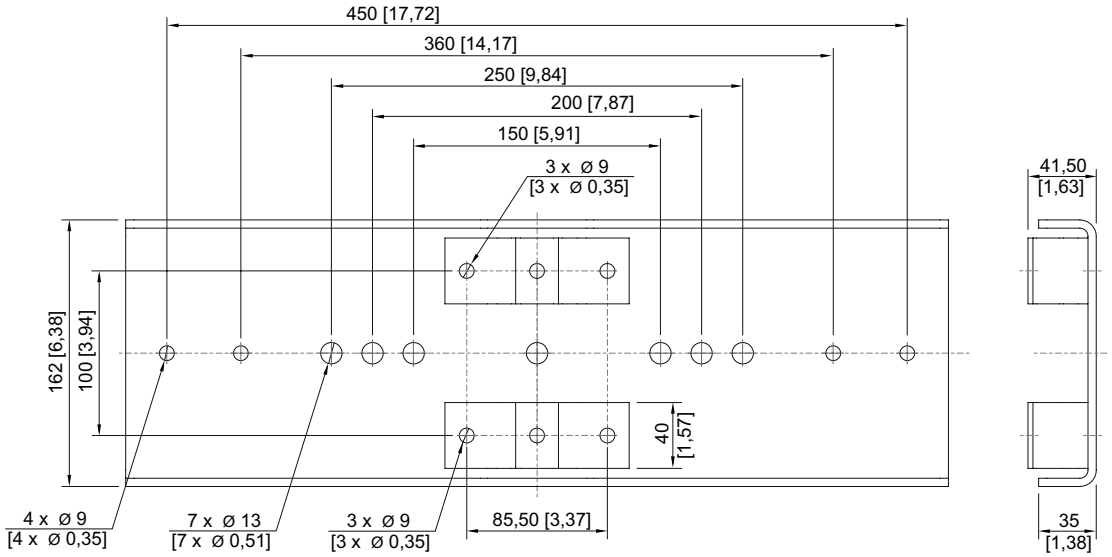


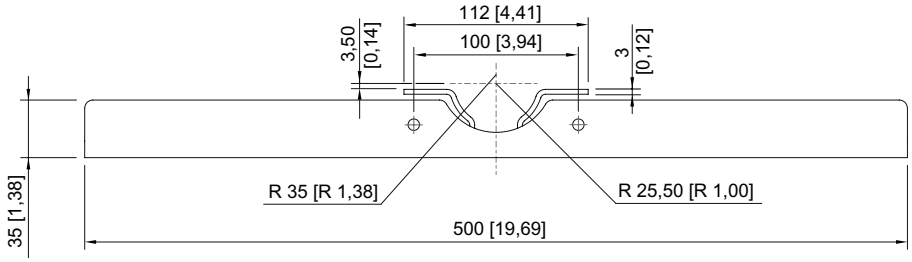


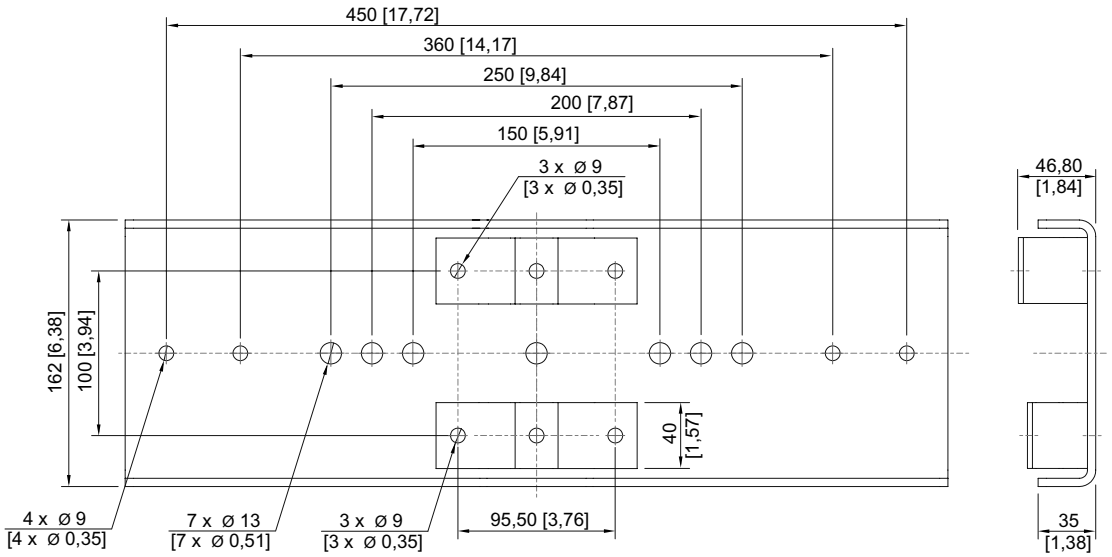


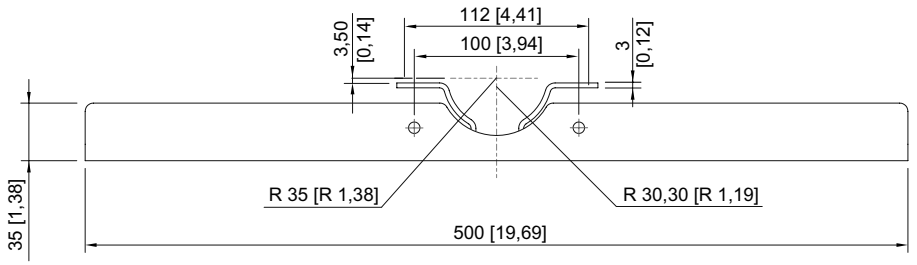

112 [4,41]
R 25,50
[R 1,00]
22
[0,87]
3,50
[0,14]
50,50
[1,99]
3
[0,12]
122 [4,80]
R 30,30
[R 1,19]
26,80
[1,06]
3,50
[0,14]
60,20
[2,37]
3
[0,12]
2 x Ø 9
[2 x Ø 0,35]
40 [1,57]
85,50 [3,37]
2 x Ø 9
[2 x Ø 0,35]
40 [1,57]
95,50 [3,76]
20 [0,79]
2 x Ø 8,50
[2 x Ø 0,33]
10 [3,39]
3
[0,12]
330 [12,99]
2 x Ø 9
[2 x Ø 0,35]
30
[1,18]
25
[0,98]
R 3
[R 0,12]
400 [15,75]
10 [3,39]

E2


450 [17,72]
360 [14,17]
250 [9,84]
200 [7,87]
150 [5,91]
3 x Ø 9
[3 x Ø 0,35]
41,50
[1,63]
162 [6,38]
100 [3,94]
40
[1,57]
4 x Ø 9
[4 x Ø 0,35]
7 x Ø 13
[7 x Ø 0,51]
3 x Ø 9
[3 x Ø 0,35]
85,50 [3,37]
35
[1,38]


112 [4,41]
100 [3,94]
3,50
[0,14]
3
[0,12]
R 35 [R 1,38]
R 25,50 [R 1,00]
35 [1,38]
500 [19,69]


450 [17,72]
360 [14,17]
250 [9,84]
200 [7,87]
150 [5,91]
3 x Ø 9
[3 x Ø 0,35]
46,80
[1,84]
162 [6,38]
100 [3,94]
40
[1,57]
4 x Ø 9
[4 x Ø 0,35]
7 x Ø 13
[7 x Ø 0,51]
3 x Ø 9
[3 x Ø 0,35]
95,50 [3,76]
35
[1,38]


112 [4,41]
100 [3,94]
3,50
[0,14]
3
[0,12]
R 35 [R 1,38]
R 30,30 [R 1,19]
35 [1,38]
500 [19,69]



- Powered by alkaline batteries so user not restricted by power point location
- Energy-saving LED technology
- Waterproof with IP68 (3 m, 30 min)
- Accessories for transportation

WebCode 6141B

The battery-powered 6141/61 series hand lamp is small enough to fit in your pocket, so that it is within easy reach whenever you need it. It uses energy-saving LEDs and features a pushbutton that enables you to switch the torch on and off with one hand. This hand lamp boasts IP68 level of protection, as well as ATEX and IECEx certification for use in hazardous areas in which an explosive atmosphere containing gas is present.

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

Selection Table

Product Description	Hand lamp			
Rated operational voltage DC	Battery version	Battery-Version	Art. No.	Weight
3 V	2 x AAA	2 x AAA	203478	85 g

Technical Data

Explosion Protection	
IECEx gas explosion protection	Ex ib IIB T4 Gb
ATEX gas explosion protection	Ⓔx II 2 G Ex ib IIB T4 Gb
Certificates	ATEX (BVS)
Ambient Conditions	
Ambient temperature	-20 °C ... +40 °C
Lighting Data	
Lamp	LED
Luminous flux	30 lm
Emergency light duration	~ 10 h
Mechanical Data	
Degree of protection (IP)	IP68 (3 m, 30 min.)
Enclosure material	Polycarbonate

Do not open lamp in hazardous locations!
For other battery types see operating instructions.

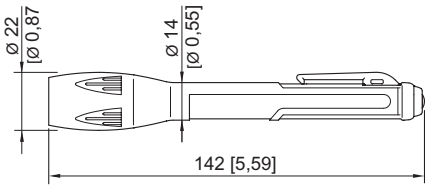
Accessories

Figure	Description	Art. No.	Weight
Belt bag			
	black	204142	30 g
Fibre optic top piece			
	Length approx. 250 mm; black	203970	30 g

Spare Parts

Figure	Description	Art. No.	Weight
Battery			
	4 x Daimon (by Duracell) LR03	204144	300 g

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





- Powered by alkaline batteries so user not restricted by power point location
- Energy-saving LED technology
- Waterproof with IP68 (3 m, 30 min)
- Accessories for signalling and transportation

WebCode 6141C

The battery-powered 6141/62 series hand lamp is excellent for maintenance work and inspections. It uses energy-saving LEDs and features a pushbutton that enables you to switch the torch on and off with one hand. This hand lamp boasts IP68 level of protection, as well as ATEX and IECEx certification.

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

Selection Table				
Product Description	Hand lamp			
Rated operational voltage DC	Battery version	Battery-Version	Art. No.	Weight
6 V	4 x AA	4 x AA	243788	190 g

Technical Data	
Explosion Protection	
IECEx gas explosion protection	Ex ib IIB T4 Gb
IECEx dust explosion protection	Ex ib IIIC T105 °C Db
ATEX gas explosion protection	II 2 G Ex ib IIB T4 Gb
ATEX dust explosion protection	II 2 D Ex ib IIIC T105 °C Db
Certificates	ATEX (BVS)
Ambient Conditions	
Ambient temperature	-20 °C ... +40 °C
Lighting Data	
Lamp	LED
Luminous flux	120 lm
Emergency light duration	~ 15 – 50 h
Mechanical Data	
Degree of protection (IP)	IP68 (3 m, 30 min.)
Enclosure material	Polycarbonate

Do not open lamp in hazardous locations!
For other battery types see operating instructions.

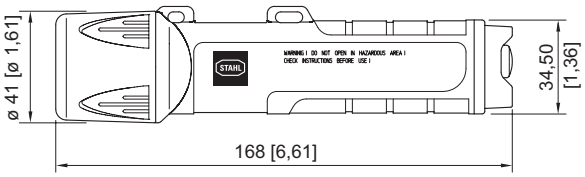
Accessories

Figure	Description	Art. No.	Weight
Belt bag			
	black	204141	37 g
Fibre optic top piece			
	Length approx. 250 mm; black	203969	25 g

Spare Parts

Figure	Description	Art. No.	Weight
Battery			
	4 x Energizer AA/LR6	204143	350 g

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





- Energy-saving, bright LED technology
- Approved in accordance with the relevant firefighting standard
- Lamp head pivots 190°
- Incredibly lightweight
- Main light continuously dimmable
- Long battery life
- Ergonomic one-hand operation

MY R. STAHL **6148A**

The ergonomic design of the 6148 series portable LED lamp allows you to operate this lamp with just one hand. Its brightness can be freely adjusted; alternatively, it can be set to flashing mode. The pivoting lamp head allows you to direct the light cone virtually anywhere. Coloured diffusing lenses are available as accessories, and transform your lamp into a portable Ex beacon. It approved for use in vehicles, and when connected to the charging unit, has an emergency lighting function.

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

Selection Table

Ex version	Yes
Battery-Version	Lead-fleece battery, Maintenance-free, 6 V, 4.5 Ah
Approval for motor vehicles	E1 10 R - 036569

Figure	Product Description	Lamp	Type of connection cable	Product Type	Art. No.	Weight
	LED portable lamp	LED	–	6148/1111-101	209687	1.55 kg
	LED portable lamp Complete set	LED	Charging cable 12 to 30 V DC	6148/3111-111	268713	1.9 kg
	LED portable lamp Complete set	LED	Charging cable 110 to 240 V AC	6148/1111-111	209686	1.83 kg

The complete set is delivered including charging unit and a charging cable for 230 V. A charging cable for 12/24 V can be ordered as accessories.
The charging unit should only be used in safe areas.

The charging unit is equipped with three fastening holes for table mounting (see dimensional drawings). A wall bracket for wall mounting is available as accessories.
A shoulder strap, belt hook and coloured diffusing lenses for the portable lamp are available as accessories. A clear diffusing lense is included in the delivery of the portable lamp and the complete set.

Technical Data

Explosion Protection	
IECEx gas explosion protection	Ex ib IIC T4 Gb
IECEx dust explosion protection	Ex tb IIIC T75 °C Db
ATEX gas explosion protection	Ⓔx II 2 G Ex ib IIC T4 Gb
ATEX dust explosion protection	Ⓔx II 2 D Ex tb IIIC T75 °C Db

E2

Technical Data

Explosion Protection	
Certificates	ATEX (IBE), IECEx (IBE)
Declaration of Conformity	ATEX (EUK)
Ambient Conditions	
Ambient temperature	-20 °C ... +50 °C
Storage temperature	-25 °C ... +60 °C
Lighting Data	
Light colour	6500 K
Light intensity	40000 cd
Light distribution	In accordance with DIN 14642
Mechanical Data	
Degree of protection (IP)	IP66
Class	II (double insulated)
Enclosure material	Polyamide, Impact resistant
Headlamp head tilting function	Front: 100°, rear: 90°
Enclosure colour	Black
Components	
Battery-Version	Lead-fleece battery, Maintenance-free, 6 V, 4.5 Ah

Accessories

Figure	Description	Art. No.	Weight
Adaptor for external charging unit.			
	for charging the portable lamp in the KFZ90 or LG443 charging unit	212701	344 g
Belt hook			
	for fastening the portable lamp to the belt	212331	40 g
Diffusing lens			
	orange	212334	12 g
	clear	212333	14 g
	red	212956	12 g
	green	220306	13 g

Accessories

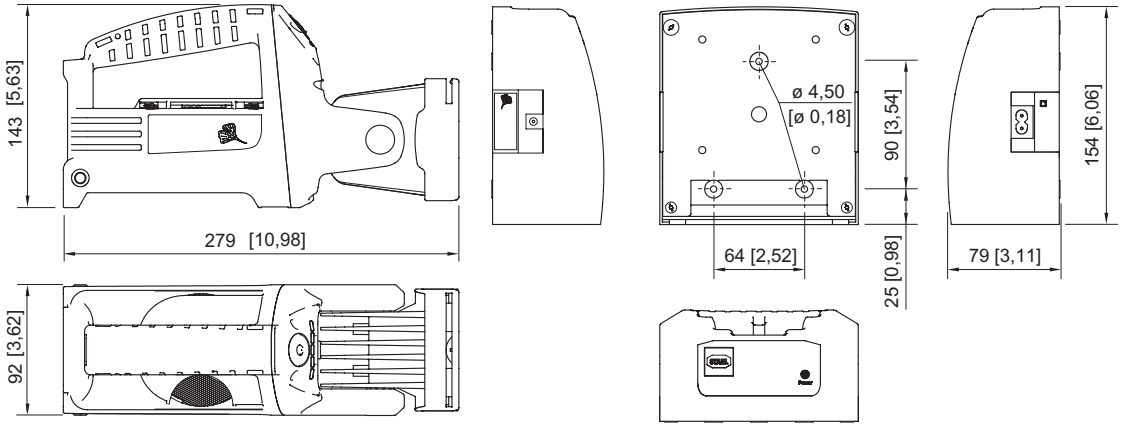
Figure	Description	Art. No.	Weight
Shoulder strap			
	for carrying the portable lamp	212702	50 g
Wall bracket			
	for wall mounting the charging unit	212332	260 g

Spare Parts

Figure	Description	Art. No.	Weight
Battery			
	for 6148 lead-fleece battery, 6 V, 4.5 Ah	211124	720 g
Charging unit			
	for 6148 (12 – 30 V DC and 100 – 240 V AC)	209688	380 g
Connection cable			
	230 V charging cable with plug	120014	75 g
	12/24 V charging cable with plug	212316	22 g

E2

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



Portable lamp

Changing unit



- For use in the safe area
- Latest LED technology
- Very high light intensity
- Low weight
- Lamp head pivoting by 190°
- Main light continuously dimmable
- Long battery life
- Ergonomic one-hand operation

MY R. STAHL **L148A**

The L148 series LED portable lamp for use in non-hazardous areas is ergonomically designed to enable you to operate it with one hand. Its brightness can also be freely adjusted. Switching it to flashing mode allows you to use it as a signal beacon if required. Coloured diffusing lenses are available as accessories for this.
The pivoting lamp head allows you to direct the light cone virtually anywhere.
The portable lamp is approved for use in vehicles, and when connected to the charging unit, has an emergency lighting function.

Selection Table

Ex version	Industrial design
Battery-Version	Lead-fleece battery, maintenance-free, 6 V, 4 Ah
Approval for motor vehicles	E1 10 R - 036569

Figure	Product Description	Lamp	Product Type	Art. No.	Weight
	LED portable lamp	LED	L148/1111-100	225000	1.55 kg
	LED portable lamp Complete set	LED	L148/1111-111	225779	1.8 kg

The complete set is delivered including charging unit and a charging cable for 230 V. A charging cable for 12/24 V can be ordered as accessories.
The charging unit is equipped with three fastening holes for table mounting (see dimensional drawings). A wall bracket for wall mounting is available as accessories.
A shoulder strap, belt hook and coloured diffusing lenses for the portable lamp are available as accessories.
A clear diffusing lense is included in the delivery of the portable lamp and the complete set.

Technical Data

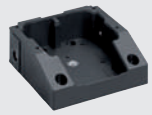
Ambient Conditions	
Ambient temperature	-20 °C ... +50 °C
Storage temperature	-25 °C ... +50 °C
Lighting Data	
Light colour	6500 K
Light intensity	24000 cd
Light distribution	In accordance with DIN 14642
Mechanical Data	
Degree of protection (IP)	IP66
Class	II (double insulated)
Enclosure material	Polyamide, Impact resistant
Headlamp head tilting function	Front: 100°, rear: 90°
Enclosure colour	Black

E2

Technical Data

Components	
Battery-Version	Lead-fleece battery, maintenance-free, 6 V, 4 Ah

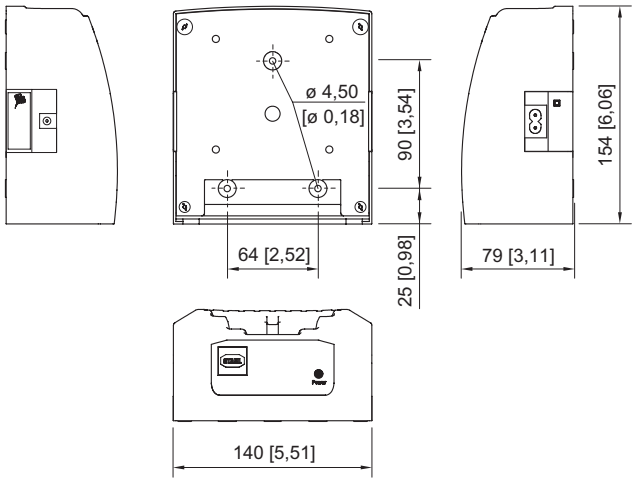
Accessories

Figure	Description	Art. No.	Weight
Adaptor for external charging unit.			
	for charging the portable lamp in the KFZ90 or LG443 charging unit	212701	344 g

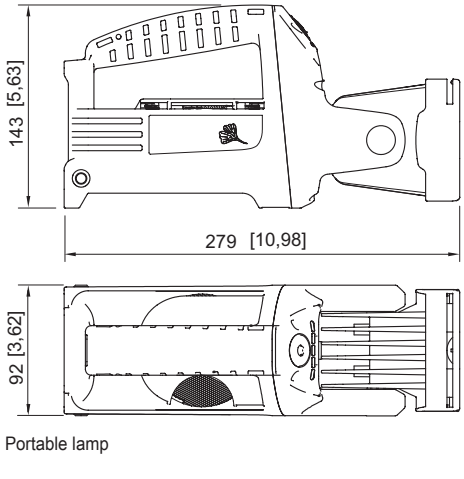
Spare Parts

Figure	Description	Art. No.	Weight
Charging unit			
	for 6148 (12 – 30 V DC and 100 – 240 V AC)	209688	380 g
	for L148 (12 – 30 V DC and 110 – 240 V AC)	225781	380 g

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



Changing unit



Portable lamp



- Long-life, energy-saving, midpower LEDs embody design innovation
- For 110 to 240 V AC/DC, 24 to 48 V AC/DC or 12 V DC
- Standard version with diffuser for reduced glare and H07-RNF connection line, 2 x 1.5 mm²
- Further connection lines and connectors available as options

MY R. STAHL **6149B**

The 6149 inspection light is a versatile light that allows you to see into every corner. This is all down to its state-of-the-art LED technology, coupled with its long-life electronics, which have been developed in-house by R. STAHL and exhibit high energy efficiency and superior illuminance. The innovative design of the enclosure makes the light extremely slim and lightweight. Its lockable suspension hooks and practical anti-roll protection make it ideal for use in the workshop.

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

Selection Table

Gas temperature class Luminous flux		T4 1396 lm					
Rated operational voltage DC	Rated operational voltage AC	Wire guard	Cable length	Ambient temperature	Product Type	Art. No.	Weight
24 ... 48 V	24 ... 48 V	Yes	10 m	-40 °C ... +60 °C	6149/2-3511-7011	274015	2.45 kg
110 ... 240 V	110 ... 240 V	No	5 m	-30 °C ... +60 °C	6149/2-5511-5010	273970	1.45 kg
		No	10 m	-30 °C ... +60 °C	6149/2-5511-7010	273995	2.28 kg
		No	20 m	-30 °C ... +60 °C	6149/2-5511-8010	273996	3.53 kg
12 V	–	No	5 m	-40 °C ... +40 °C	6149/2-2511-5010	273991	1.66 kg
		Yes	5 m	-40 °C ... +40 °C	6149/2-2511-5011	274013	1.83 kg
24 ... 48 V	24 ... 48 V	No	5 m	-40 °C ... +60 °C	6149/2-3511-5010	273969	1.45 kg
		No	10 m	-40 °C ... +60 °C	6149/2-3511-7010	273994	3.44 kg
		No	20 m	-40 °C ... +60 °C	6149/2-3511-8010	274016	3.22 kg
		Yes	5 m	-40 °C ... +60 °C	6149/2-3511-5011	273999	1.62 kg
		Yes	20 m	-40 °C ... +60 °C	6149/2-3511-8011	274003	3.7 kg
110 ... 240 V	110 ... 240 V	Yes	5 m	-30 °C ... +60 °C	6149/2-5511-5011	274007	1.83 kg
		Yes	10 m	-30 °C ... +60 °C	6149/2-5511-7011	274009	2.45 kg
		Yes	20 m	-30 °C ... +60 °C	6149/2-5511-8011	274006	3.7 kg

Inspection Light LED
Series 6149

E2

Selection Table

Gas temperature class Luminous flux		T6 1396 lm					
Rated operational voltage DC	Rated operational voltage AC	Wire guard	Cable length	Ambient temperature	Product Type	Art. No.	Weight
24 ... 48 V	24 ... 48 V	No	10 m	-40 °C ... +40 °C	6149/2-3611-7010	274033	2.28 kg
		Yes	10 m	-40 °C ... +40 °C	6149/2-3611-7011	274034	2.45 kg
110 ... 240 V	110 ... 240 V	No	5 m	-30 °C ... +40 °C	6149/2-5611-5010	274032	1.45 kg
		Yes	5 m	-30 °C ... +40 °C	6149/2-5611-5011	274038	1.83 kg
		No	10 m	-30 °C ... +40 °C	6149/2-5611-7010	274040	2.28 kg
		Yes	10 m	-30 °C ... +40 °C	6149/2-5611-7011	274039	2.45 kg
		No	20 m	-30 °C ... +40 °C	6149/2-5611-8010	274037	3.15 kg
		Yes	20 m	-30 °C ... +40 °C	6149/2-5611-8011	274043	3.7 kg

The inspection light is delivered without plug and wire guard. Specify the plug on order. See accessories and spare parts.

Variants without wire guard can be equipped with a wire guard at a later stage. See accessories and spare parts.

Technical Data

Variant	Gas temperature class T4	Gas temperature class T6
Explosion Protection		
IECEx gas explosion protection	Ex d IIC T4 Gb	Ex d IIC T6 Gb
IECEx dust explosion protection	Ex tb IIIC T100 °C Db	Ex tb IIIC T80 °C Db
ATEX gas explosion protection	Ⓔx II 2 G Ex d IIC T4 Gb	Ⓔx II 2 G Ex d IIC T6 Gb
ATEX dust explosion protection	Ⓔx II 2 D Ex tb IIIC T100 °C Db	Ⓔx II 2 D Ex tb IIIC T80 °C Db
Certificates	ATEX (PTB), IECEx (PTB)	ATEX (PTB), IECEx (PTB)
Declaration of Conformity	ATEX (EGK)	ATEX (EGK)
Lighting Data		
Lamp	Single-row LED	Single-row LED
Mechanical Data		
Degree of protection (IP)	IP66 / IP67	IP66 / IP67
Class	III	III
Enclosure material	Aluminium	Aluminium
Pipe material	Polycarbonate	Polycarbonate
Type of connection cable	H07RN-F 2x1.5 mm²	H07RN-F 2x1.5 mm²

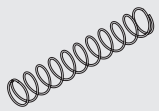
Accessories

Figure	Description	Art. No.	Weight
Mounting bracket			
	Mounting bracket made from galvanised sheet steel (x 2 units); for design size 1	120535	48 g
Mounting bracket and magnet			
	Mounting bracket made from galvanised sheet steel with magnetic base (x 2 units); for design size 1	120536	100 g

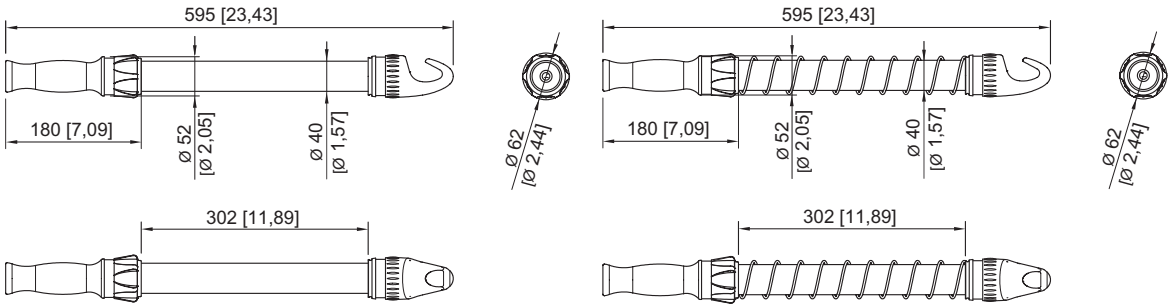
Accessories

Figure	Description	Art. No.	Weight
Plug			
	8570/12-304-S-XX-X-XX-XXX 3-pole plug, 100 to 130 V AC, 50/60 Hz, 16 A	272896	331 g
	8570/12-306-S-XX-X-XX-XXX 3-pole plug, 200 to 250 V AC, 50 / 60 Hz, 16 A	272898	331 g
	8573/12-200 2-pole, 20 to 25 V, 50 / 60 Hz, 16 A	243197	300 g
	8573/12-210 2-pole, 20 to 25 V, DC, 16 A	243203	300 g
	8573/12-300 3-pole, 20 to 25 V, 50 / 60 Hz, 16 A	243190	300 g
	8573/12-312 3-pole, 40 to 50 V, 50 / 60 Hz, 16 A	243195	300 g

Spare Parts

Figure	Description	Art. No.	Weight
Wire guard			
	Stainless steel protective cage For additional mechanical protection	120509	170 g

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



without wire guard

with wire guard



- Long-life, energy-saving, midpower LEDs embody design innovation
- For 110 to 240 V AC/DC or 24 to 48 V AC/DC
- Standard version with diffuser for reduced glare and H07-RNF connection line, 2 x 1.5 mm²
- Further connection lines and connectors available as options

WebCode 6149A

The L149 inspection light is a versatile light that allows you to see into every corner. This is all down to its state-of-the-art LED technology, coupled with its long-life electronics, which have been developed in-house by R. STAHL and exhibit high energy efficiency and superior illuminance. The innovative design of the enclosure makes the light extremely slim and lightweight. Its lockable suspension hooks and practical anti-roll protection make it ideal for use in the workshop.

Selection Table

Gas temperature class		T6						
Rated operational voltage DC	Rated operational voltage AC	Cable length	Wire guard	Luminous flux	Ambient temperature	Product Type	Art. No.	Weight
24 – 48 V	24 – 48 V	5 m	No	1396 lm	-40 °C ... +40 °C	L149/2-3311-5010	264846	1.25 kg
110 – 240 V	110 – 240 V	2.5 m	No	1396 lm	-30 °C ... +40 °C	L149/2-5311-2010	252281	1.15 kg
		5 m	No	1396 lm	-30 °C ... +40 °C	L149/2-5311-5010	246909	1.45 kg

The inspection light is delivered without plug and wire guard. Specify the plug on order. See accessories and spare parts.

Variants without wire guard can be equipped with a wire guard at a later stage. See accessories and spare parts.

Technical Data

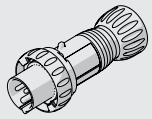
Explosion Protection	
Class	II (double insulated)
Lighting Data	
Lamp	Single-row LED
Mechanical Data	
Degree of protection (IP)	IP66 / IP67
Class	II (double insulated)
Enclosure material	Aluminium
Pipe material	Polycarbonate
Type of connection cable	H07RN-F 2x1.5 mm²

Accessories

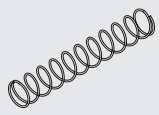
Figure	Description	Art. No.	Weight
Mounting bracket			
	Mounting bracket made from galvanised sheet steel (x 2 units); for design size 1	120535	48 g

E2

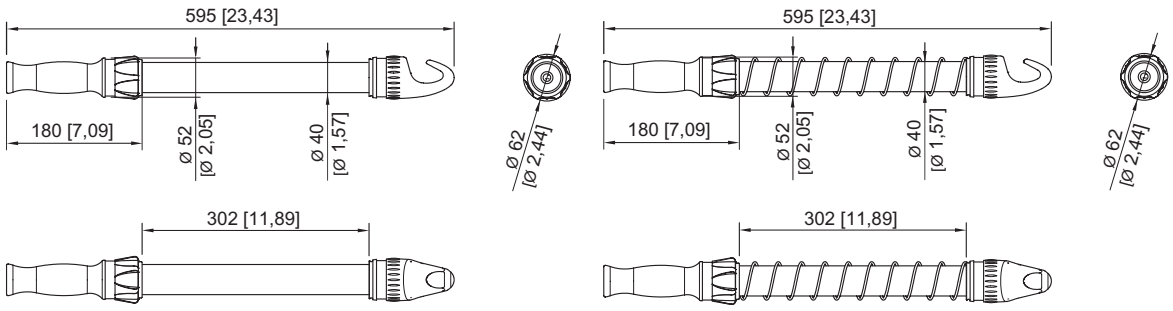
Accessories

Figure	Description	Art. No.	Weight
Mounting bracket and magnet			
	Mounting bracket made from galvanised sheet steel with magnetic base (x 2 units); for design size 1	120536	100 g
Plug			
	8570/12-304 3-pole, 100 to 130 V AC, 50 / 60 Hz, 16 A	257778	331 g
	8570/12-306 3-pole, 200 to 250 V AC, 50 / 60 Hz, 16 A	257780	331 g
	8573/12-200 2-pole, 20 to 25 V, 50 / 60 Hz, 16 A	243197	300 g
	8573/12-210 2-pole, 20 to 25 V, DC, 16 A	243203	300 g
	8573/12-300 3-pole, 20 to 25 V, 50 / 60 Hz, 16 A	243190	300 g
	8573/12-312 3-pole, 40 to 50 V, 50 / 60 Hz, 16 A	243195	300 g

Spare Parts

Figure	Description	Art. No.	Weight
Wire guard			
	Stainless steel wire guard for additional mechanical protection	120509	170 g

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



without wire guard

with wire guard



- Status light as described in CAA UK CAP437, NORMAM-27/DPC and 2009 MODU Code
- Height of light units <25 cm. Allows for on-deck installation
- Automatic monitoring of all light units when in combination with Tranberg control system. No need for redundancy units
- Maintenance free
- Night vision goggle (NVG) compatible
- Low power consumption: Main light, 30 W and Repeater light 2.6 W

WebCode **T9980A**

The TEF9980 Status lights are designed to fulfil the latest requirements of CAA UK CAP 437, as well as operator's needs for products that are cost-effective, reliable, require no maintenance and are applicable for use in all environments.
The TEF 9980 Status light is available as a main light and as a repeater light. Both versions are fully monitored, which eliminates the light units' redundancy need. In combination with Tranberg control system the lights can be set up for automatic test intervals, timeouts for both dim level diagnostics.
A status light system should be installed if a condition can exist on an installation which may be hazardous for the helicopter or its occupants. The system should be a flashing red light (or lights), visible to the pilot from any direction of approach and on any landing heading. The aeronautical meaning of a flashing red light is either "do not land, aerodrome not available for landing" or "move clear of landing area". The system should be automatically initiated at the appropriate hazard level (e.g. impending gas release)

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

Selection Table					
Power		30.00 W			
Product Description	Width	Height	Length	Product Type	Art. No.
Main light For helicopter deck	263 mm	245 mm	200 mm	TEF9980000	262975
Repeater light For helicopter deck	263 mm	245 mm	200 mm	TEF9980005	262976

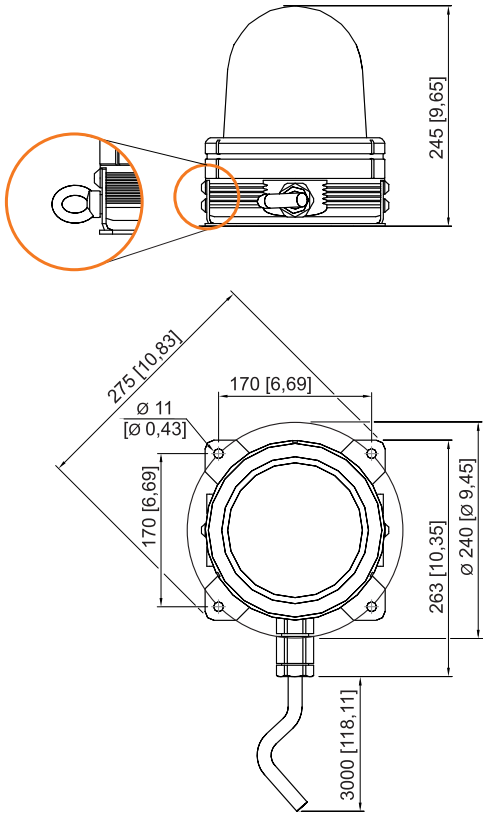
Technical Data	
Explosion Protection	
IECEx gas explosion protection	Ex db op is IIB+H2 T5 Gb
ATEX gas explosion protection	Ⓔx II 2 G Ex db op is IIB+H2 T5 Gb
Electrical Data	
Rated operational voltage DC	16 – 32 V
Ambient Conditions	
Ambient temperature	-40 °C ... +55 °C
Lighting Data	
Lamp	Red LED + IR
Mechanical Data	
Degree of protection (IP)	IP66

E6

Technical Data

Mechanical Data	
IP degree of protection (IEC 60529)	IP67
Enclosure material	Aluminium, powder-coated, Seawater-resistant
Material dome	Glass Temperature-resistant
Conductor length	3 m
Type of connection cable	BFOU 0.6/1.2kV P5/P12
Mounting / Installation	
Mounting part material	Stainless steel
Connection type	Connection line

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



TRANBERG®

TEF 4600

INTEGRATED HELIDECK LIGHT CONTROL

ZONE 1 OR NON-EX VERSIONS AVAILABLE

Subject to change without prior notice TPS5462 REV. B 30.06.2017



CE

The TEF 4600 integrated Helideck Lights Control is an industry-first integrated control system an easy and safe control and monitoring of all lights installed on and at helideck.

The unique design of the control system can be delivered for use in both safe areas and Zone 1 areas. All types of Tranberg lights can be connected, such as perimeter lights, floodlights, obstruction lights, illuminated windsocks, Circle and H lights, status lights, and more.

Central to the system is a touchpanel, which can be delivered for safe areas, or Zone 1 areas. Using an intuitive and very user-friendly menu, the user can simply set the lights on or off, or dim respective lights when needed.

The touchpanel can be mounted in the door of the main panel (safe areas only), or mounted in an adjacent room or elsewhere. For the Zone 1 or 2 needs, we have prepared for the use of an R.Stahl Exicom MT-498 operator panel. All touchpanels come fully loaded with software and configuration options.

Regardless of type of control panel, additional remote control panels may be connected. These are push-button panels with integrated illumination, allowing local control of lights, and in full synchronization with the computer screens.

APPLICATIONS

- Control and supervision of all helideck lighting fixtures
- Onshore or offshore installations; vessels and fixed installations
- Remote control possible through a wide range of accesories

FEATURES

- All control gear in one cabinet, simplifying connections, control and monitoring
- Smaller footprint than individual control cabinets for each type of light
- Combined with Tranberg's new line of LED helideck lights means an installation with an absolute minimum of required inspections and minimized maintenance
- Connection with a supervisory control system through Ethernet, Profibus, or similar standards
- Pre-programmed touchscreens with an intuitive and user-friendly man-machine interface
- Optional remote button and lamp control panel, allowing additional control of lights
- Optional integration towards HMS (Helideck Monitoring System), allowing direct input from the HLO (Helideck Landing Officer)
- Integration towards SCADA (Supervisory Control And Data Acquisition) systems, allowing remote control from other locations, helicopter pilots, etc.

APPROVALS AND CERTIFICATES

- Control system and all operators panels are available in both Zone 1 and non-Ex versions
- Functionality according to CAA CAP437
- All explosion-proof equipment certified according to ATEX/ IECEx

TECHNICAL DATA

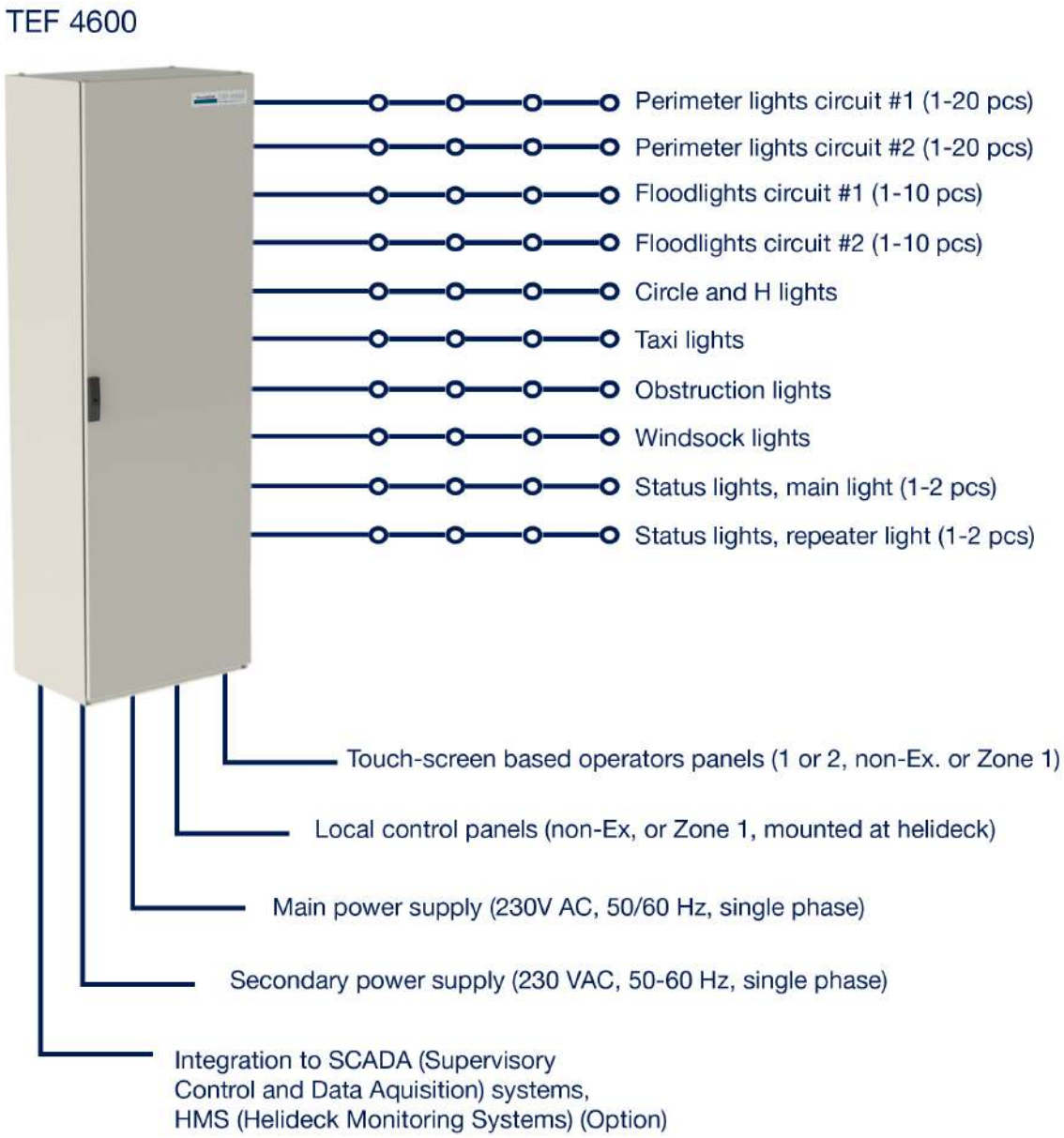
Power supply:	Dual 230VAC power supply, with continuous supervision and automatic selection between main and secondary power sources
Examples of use:	Control all lights on helideck; perimeter lights, floodlights, windsock, obstruction lights, status lights, Circle and H, taxi lights, and more
Dimensions (W x H x D):	Non-Ex control cabinet: 600mmx1900mmx 400mm Zone 1 cabinet: Flexible size and shape
Connections:	Ethernet connection to operator panels. Optional hardwired connection to local control panels
Ingress protection:	IP55 (safe area) and IP66 (Zone 1)

STAHL TRANBERG

R. Stahl Tranberg AS
E info@stahl-tranberg.com | stahl-tranberg.com
Main office: Strandsvingen 6 | N-4032 Stavanger | Norway | T +47 51 57 89 00 | F +47 51 57 89 50
Office Oslo: Luhrtoppen 2 | N-1470 Lørenskog | Norway | T +47 24 08 44 10

TEF 4600 INTEGRATED HELIDECK LIGHT CONTROL

SYSTEM TOPOLOGY



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R. Stahl Tranberg AS
E info@stahl-tranberg.com | stahl-tranberg.com
Main office: Strandsvingen 6 | N-4032 Stavanger | Norway | T +47 51 57 89 00 | F +47 51 57 89 50
Office Oslo: Luhrtoppen 2 | N-1470 Lørenskog | Norway | T +47 24 08 44 10

Obstruction Light Low Intensity
Series TEF2440



- Rugged construction
- Complies with: ICAO Annex 14 Vol. 1 Ch. 6 Low Intensity Type B
- Low maintenance
- Low power consumption
- Resistant to vibrations
- Long lifetime expectary
- Integrated drain plug

WebCode **T2440B**

Tranberg luminaires are all designed for use in rough environments. The design of Tranberg luminaries is based on many years of experience and extensive research in the field of professional marine lighting. Carefully selected materials and components are used to ensure maximum performance, low maintenance and a long-trouble free life. The luminaire consist of five powerful light emitting diodes (LEDs), mounted on a machined aluminium base. The LED driver is placed in the lamp bottom along with terminals.

Selection Table

Product Description	Obstruction light			
Rated operational voltage AC		Product Type	Art. No.	Weight kg
24 V		TEF2440162	170638	
110 – 230 V		TEF2440160	170636	

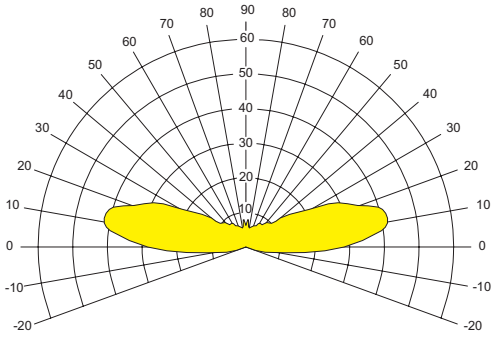
Technical Data

Electrical Data	
Power	10 W
Ambient Conditions	
Ambient temperature	-30 °C ... +45 °C
Lighting Data	
Effective luminous intensity	32 cd
Mechanical Data	
Degree of protection (IP)	IP66
Enclosure material	Stainless steel, powder-coated, Acid-resistant
Components	
Cable glands and entries	1 x M25 x 1.5
Drilled holes	2 x M25
Stopping plugs	1 x M25 x 1.5

Obstruction Light Low Intensity
Series TEF2440

E6

Technical Drawings – Subject to Alterations



Luminous intensity distribution

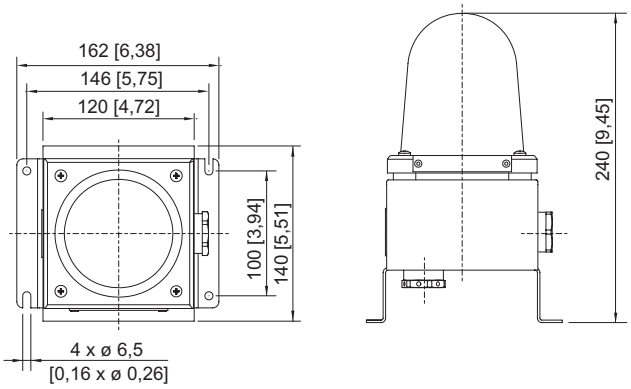
Accessories

Figure	Description	Art. No.	Weight kg
Cable gland			
	M25 Ø 11 ... 15 / 15 ... 20 mm TEF6222502	241042	–
Stopping plug			
	Exe M25 with lock nut TEF6502502	259505	–

Spare Parts

Figure	Description	Art. No.	Weight kg
Gasket			
	Silicon gasket for globe TEF50010021	165844	0.070
Globe			
	with red LEDs, without gasket TEF4417	170639	0.750
Globe retainer ring			
	Globe retainer ring TEF4249	241038	–
LED Driver			
	24 V TEF4399	165831	0.150
	110 – 230 V TEF50890047	302226	–
Terminal block			
	Terminal block TEF50280008	241039	–

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





- 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

MY R. STAHL **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
Ambient temperature	-40 °C ... +50 °C Note: Through wiring Max. 3x16 A -40 °C ... +60 °C Note: Through wiring 2 Max. 3x10 A

Product variant	Drilled holes	Light colour	Disconnection of the luminaire	Cable glands and entries	Stopping plugs	Diffuser	Threaded plate	Product Type	Art. No.	Weight
–	3 x M25	4000 K – warm neutral white	No	2 x M25 Ø 7 ...	2 x M25 x 1.5	With diffuser	2x plastic	6002/4128-0100-152-1110-11-8400	272497	4.45 kg
		5000 K – neutral white	Yes	2 x M25 Ø 7 ...	2 x M25 x 1.5	With diffuser	2x plastic	6002/4128-0101-152-1110-11-8500	275778	4.45 kg
Interfaces DALI	3 x M25	4000 K – warm neutral white	No	2 x M25 Ø 7 ...	2 x M25 x 1.5	With diffuser	2x plastic	6002/4128-0110-172-1110-11-8400	272390	4.45 kg
		5000 K – neutral white	No	2 x M25 Ø 7 ...	2 x M25 x 1.5	With diffuser	2x plastic	6002/4128-0110-172-1110-11-8500	272391	4.45 kg
standard	3 x M20	5000 K – neutral white	No	Can be ordered as accessories	Can be ordered as accessories	With diffuser	2x SS430 stainless steel	6002/4128-0100-152-2220-22-8500	267067	4.4 kg
	3 x M25	5000 K – neutral white	No	2 x M25 Ø 7 ...	2 x M25 x 1.5	With diffuser	2x plastic	6002/4128-0100-152-1110-11-8500	267058	4.45 kg
		6500 K – daylight white	No	2 x M25 Ø 7 ...	2 x M25 x 1.5	With diffuser	2x plastic	6002/4128-0100-152-1110-11-8650	288961	4.45 kg

E2

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
Ambient temperature	-30 °C ... +50 °C Note: Through wiring Max. 3x16 A -30 °C ... +60 °C Note: Through wiring 2 Max. 3x10 A

Product variant	Drilled holes	Light colour	Disconnection of the luminaire	Cable glands and entries	Stopping plugs	Diffuser	Threaded plate	Product Type	Art. No.	Weight
with address module	3 x M25	5000 K – neutral white	No	2 x M25 Ø 7 ...	2 x M25 x 1.5	With diffuser	2x plastic	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
Ambient temperature	-40 °C ... +50 °C Note: Through wiring Max. 3x16 A -40 °C ... +60 °C Note: Through wiring 2 Max. 3x10 A

Product variant	Drilled holes	Light colour	Disconnection of the luminaire	Cable glands and entries	Stopping plugs	Diffuser	Threaded plate	Product Type	Art. No.	Weight
standard	3 x M20	5000 K – neutral white	No	Can be ordered as accessories	Can be ordered as accessories	Without diffuser	2x SS430 stainless steel	6002/4124-0100-152-2220-22-850S	285108	4.35 kg
	3 x M25	5000 K – neutral white	No	2 x M25 Ø 7 ...	2 x M25 x 1.5	Without diffuser	2x plastic	6002/4124-0100-152-1110-11-850S	285105	4.4 kg

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
Ambient temperature	-40 °C ... +50 °C Note: Through wiring Max. 3x16 A -40 °C ... +60 °C Note: Through wiring 2 Max. 3x10 A

Product variant	Drilled holes	Light colour	Disconnection of the luminaire	Cable glands and entries	Stopping plugs	Diffuser	Threaded plate	Product Type	Art. No.	Weight
–	3 x M25	4000 K – warm neutral white	No	2 x M25 Ø 7 ...	2 x M25 x 1.5	With diffuser	2x plastic	6002/4148-0100-152-1110-11-8400	272498	6.9 kg
		6500 K – daylight white	No	2 x M25 Ø 7 ...	2 x M25 x 1.5	With diffuser	2x plastic	6002/4148-0100-152-1110-11-8650	277614	6.9 kg
		5000 K – neutral white	Yes	2 x M25 Ø 7 ...	2 x M25 x 1.5	With diffuser	2x plastic	6002/4148-0101-152-1110-11-8500	272258	6.9 kg
Interfaces DALI	3 x M20	5000 K – neutral white	No	Can be ordered as accessories	Can be ordered as accessories	With diffuser	2x SS430 stainless steel	6002/4148-0110-172-2220-22-8500	274963	6.9 kg
	3 x M25	4000 K – warm neutral white	No	2 x M25 Ø 7 ...	2 x M25 x 1.5	With diffuser	2x plastic	6002/4148-0110-172-1110-11-8400	272398	6.9 kg
		5000 K – neutral white	No	2 x M25 Ø 7 ...	2 x M25 x 1.5	With diffuser	2x plastic	6002/4148-0110-172-1110-11-8500	267087	6.9 kg
standard	3 x M20	5000 K – neutral white	No	Can be ordered as accessories	Can be ordered as accessories	With diffuser	2x SS430 stainless steel	6002/4148-0100-152-2220-22-8500	267077	6.9 kg
	3 x M25	5000 K – neutral white	No	2 x M25 Ø 7 ...	2 x M25 x 1.5	With diffuser	2x plastic	6002/4148-0100-152-1110-11-8500	267074	6.9 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
Ambient temperature	-30 °C ... +50 °C Note: Through wiring Max. 3x16 A -30 °C ... +60 °C Note: Through wiring 2 Max. 3x10 A

Product variant	Drilled holes	Light colour	Disconnection of the luminaire	Cable glands and entries	Stopping plugs	Diffuser	Threaded plate	Product Type	Art. No.	Weight
with address module	3 x M20	5000 K – neutral white	No	Can be ordered as accessories	Can be ordered as accessories	With diffuser	2x SS430 stainless steel	6002/4148-0130-152-2220-22-8500	277241	6.9 kg
	3 x M25	4000 K – warm neutral white	No	2 x M25 Ø 7 ...	2 x M25 x 1.5	With diffuser	2x plastic	6002/4148-0130-152-1110-11-8400	276553	6.9 kg
		5000 K – neutral white	No	2 x M25 Ø 7 ...	2 x M25 x 1.5	With diffuser	2x plastic	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
Ambient temperature	-40 °C ... +50 °C Note: Through wiring Max. 3x16 A -40 °C ... +60 °C Note: Through wiring 2 Max. 3x10 A

Product variant	Drilled holes	Light colour	Disconnection of the luminaire	Cable glands and entries	Stopping plugs	Diffuser	Threaded plate	Product Type	Art. No.	Weight
standard	3 x M20	5000 K – neutral white	No	Can be ordered as accessories	Can be ordered as accessories	Without diffuser	2x SS430 stainless steel	6002/4144-0100-152-2220-22-850S	285109	6.85 kg
	3 x M25	5000 K – neutral white	No	2 x M25 Ø 7 ...	2 x M25 x 1.5	Without diffuser	2x plastic	6002/4144-0100-152-1110-11-850S	285106	6.85 kg
		6500 K – daylight white	No	2 x M25 Ø 7 ...	2 x M25 x 1.5	Without diffuser	2x plastic	6002/4144-0100-152-1110-11-865S	285107	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
Ambient temperature	-20 °C ... +50 °C Note: Through wiring Max. 3x16 A -20 °C ... +60 °C Note: Through wiring 2 Max. 3x10 A

Product variant	Drilled holes	Light colour	Disconnection of the luminaire	Cable glands and entries	Stopping plugs	Diffuser	Threaded plate	Product Type	Art. No.	Weight
–	3 x M25	4000 K – warm neutral white	No	2 x M25 Ø 7 ...	2 x M25 x 1.5	With diffuser	2x plastic	6002/4168-0200-152-1110-11-8400	278348	8 kg
		4000 K – warm neutral white	Yes	2 x M25 Ø 7 ...	2 x M25 x 1.5	With diffuser	2x plastic	6002/4168-0201-152-1110-11-8400	276336	8 kg
		6500 K – daylight white	Yes	2 x M25 Ø 7 ...	2 x M25 x 1.5	With diffuser	2x plastic	6002/4168-0201-152-1110-11-8650	276337	8 kg
standard	3 x M20	5000 K – neutral white	No	Can be ordered as accessories	Can be ordered as accessories	With diffuser	2x SS430 stainless steel	6002/4168-0200-152-2220-22-8500	278346	8 kg
	3 x M25	5000 K – neutral white	No	2 x M25 Ø 7 ...	2 x M25 x 1.5	With diffuser	2x plastic	6002/4168-0200-152-1110-11-8500	278349	8 kg
		5000 K – neutral white	Yes	2 x M25 Ø 7 ...	2 x M25 x 1.5	With diffuser	2x plastic	6002/4168-0201-152-1110-11-8500	276335	8 kg

EXLUX Linear Luminaire with LED

Series 6002/4

E2

Selection Table

Size	6
Translucent cover	Translucent
Light distribution	120°x120°
Lamp wattage	50 W
Luminous flux	6000 lm
Luminaire efficacy	120 lm/W
Ambient temperature	-20 °C ... +50 °C Note: Through wiring Max. 3x16 A -20 °C ... +60 °C Note: Through wiring 2 Max. 3x10 A

Product variant	Drilled holes	Light colour	Disconnection of the luminaire	Cable glands and entries	Stopping plugs	Diffuser	Threaded plate	Product Type	Art. No.	Weight
–	3 x M25	5000 K – neutral white	No	2 x M25 Ø 7 ...	2 x M25 x 1.5	Without diffuser	2x plastic	6002/4164-0200-152-1110-11-850S	288600	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.

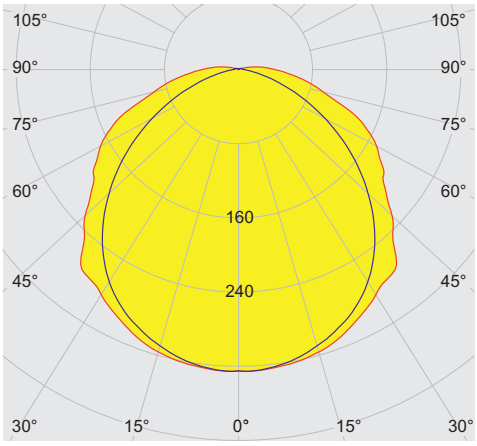
Technical Data

Variant	standard / product variant "–"	Interfaces DALI	with address module
Explosion Protection			
IECEx gas explosion protection	Ex db eb ib op is IIC T4 Gb	Ex db eb ib op is IIC T4 Gb	Ex db eb ib 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	Ex tb op is IIIC T100 °C Db
ATEX gas explosion protection	Ⓔx II 2 G Ex db eb ib op is IIC T4 Gb	Ⓔx II 2 G Ex db eb ib op is IIC T4 Gb	Ⓔx II 2 G Ex db eb ib op is IIC T4 Gb
ATEX dust explosion protection	Ⓔx II 2 D Ex tb op is IIIC T100 °C Db	Ⓔx II 2 D Ex tb op is IIIC T100 °C Db	Ⓔx II 2 D Ex tb op is IIIC T100 °C Db
Certificates	ATEX (IBE), IECEx (IBE), India (PESO)	ATEX (IBE), IECEx (IBE), India (PESO)	ATEX (IBE), IECEx (IBE), India (PESO)
Ship approval	DNV	DNV	DNV
Declaration of Conformity	ATEX (EUK), Declaration of Conformity (AUS)	ATEX (EUK), Declaration of Conformity (AUS)	ATEX (EUK), Declaration of Conformity (AUS)
Electrical Data			
Rated operational voltage AC	100 – 240 V	100 – 240 V	220 – 240 V
Rated operational voltage DC	110 ... 250 V	110 ... 250 V	194 ... 250 V
Frequency range	50 – 60 Hz	50 – 60 Hz	50 Hz
Lighting Data			
Number of lamps	1	1	1
Lamp	LED	LED	LED
Colour rendering	≥ 80	≥ 80	≥ 80
Colour temperature	5000 K	4000 K	5000 K
Mechanical Data			
Impact strength (IEC 62262)	IK10	IK10	IK10
IP degree of protection (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
Sealing material	Silicone	Silicone	Silicone
Max. solid connection terminals	6 mm²	6 mm²	6 mm²
Max. finely stranded connection terminals	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			
Ballast	6045/311-120-10	6045/311-121-10	6045/312-122-10
Through wiring	With 5 conductors 2.5 mm²	With 7 conductors 2.5 mm²	With 5 conductors 2.5 mm²
Cable entry material	Polyamide, black	Polyamide, black	Polyamide, black

Technical Data

Variant	standard / product variant "–"	Interfaces DALI	with address module
Components			
Stopping plug material	Polyamide, black	Polyamide, black	Polyamide, black

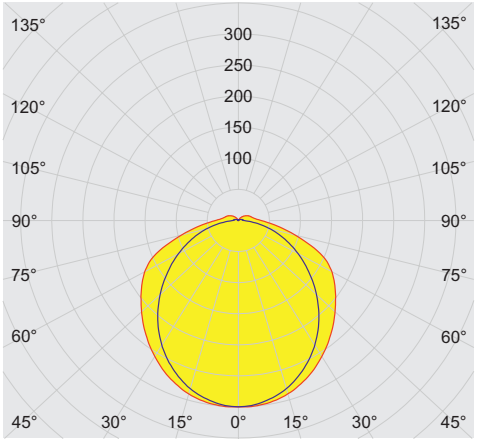
Light Distribution Curves – Subject to Alterations



cd/klm 100%

C0 - C180 C90 - C270

typical with diffusor, clear translucent cover

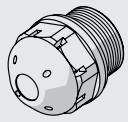
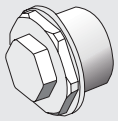
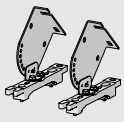
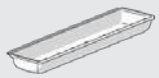
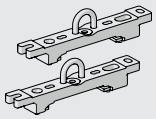


cd/klm 100%

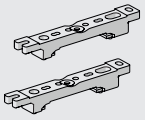
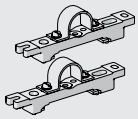
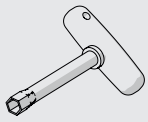
C0 - C180 C90 - C270

typical without diffusor, diffuse translucent cover

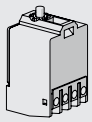
Accessories

Figure	Description	Art. No.	Weight
Breather			
	Thread: M25 x 1.5 (20 pieces); without jam nut	285780	200 g
	Thread: M25 x 1.5 (1 piece); for installation in light fittings; made from stainless steel; without jam nut	296608	-
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	1.2 kg
Cover			
	For size 2 luminaires (diffuse), when used on an emergency luminaire with individual power supply, the visibility of the display LED may be restricted	276669	1 kg
	For size 4 luminaires (diffuse), when used on an emergency luminaire with individual power supply, the visibility of the display LED may be restricted	276670	1.2 kg
Mounting bracket			
	mounting clamp mounted on a mounting rail for a variable mounting distance; 1 pair	222456	400 g

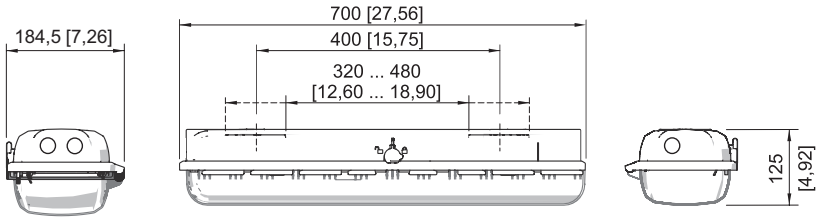
Accessories

Figure	Description	Art. No.	Weight
Mounting rail			
	for a variable mounting distance; 1 pair	222826	350 g
Pipe clamp			
	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
Pole mounting sleeve			
	for the subsequent mounting on lights size 2 and size 4, completely with assembly parts (for pipe diameter 42 mm)	227512	3.2 kg
Ring bolt			
	M8, direct mounting in insert nuts; 1 pair	115736	115 g
Socket key			
	M8 / A/F 13; For actuating the central lock	222430	110 g

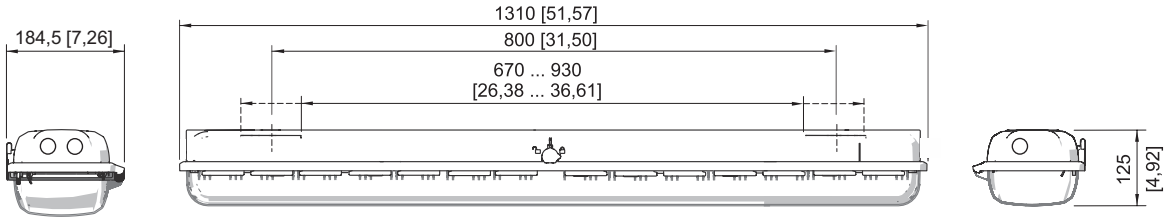
Spare Parts

Figure	Description	Art. No.	Weight
Contact element			
	8080/1-3-L 2 NC contact element	132527	26 g
Cover			
	for luminaire size 4	222428	1.15 kg
	for luminaire size 6	222429	1.45 kg
	for luminaire size 2	222427	639 g
Reflector Plate			
	Spare part for 6002 or upgrade 6001 size 2, colour temperature 4000 K	272064	2.1 kg
	Spare part for 6002 or upgrade 6001 size 2, colour temperature 5000 K	270812	2.1 kg
	Spare part for 6002 or upgrade 6001 size 2, colour temperature 6500 K	272066	2.1 kg
	Spare part for 6002 or upgrade 6001 size 4, colour temperature 4000 K	272063	2.6 kg
	Spare part for 6002 or upgrade 6001 size 4, colour temperature 5000 K	270813	2.6 kg
	Spare part for 6002 or upgrade 6001 size 4, colour temperature 6500 K	272065	2.6 kg

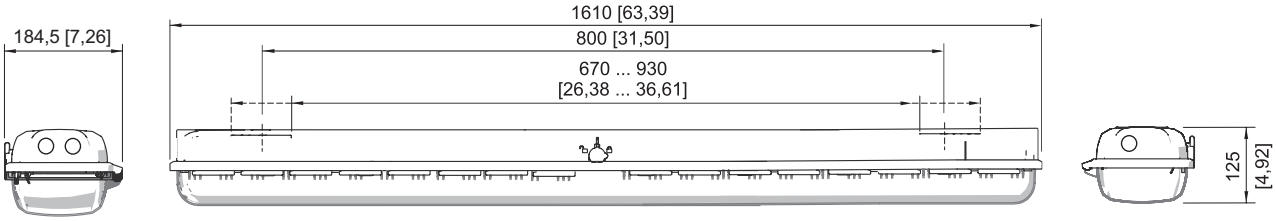
Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



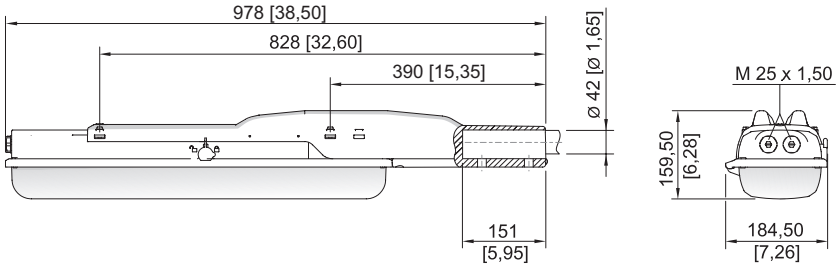
Size 2



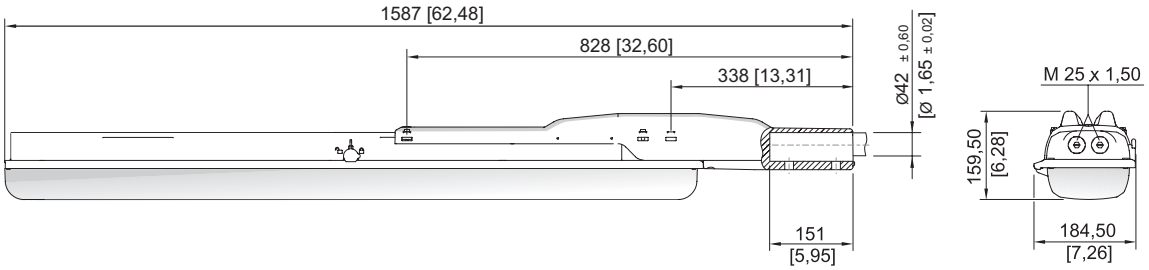
Size 4



Size 6

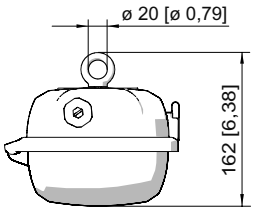


Size 2

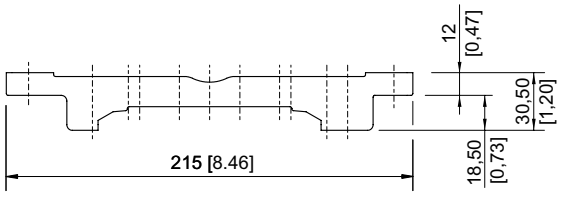


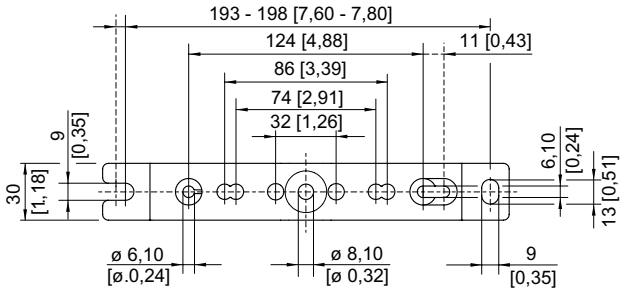
Size 4

E2

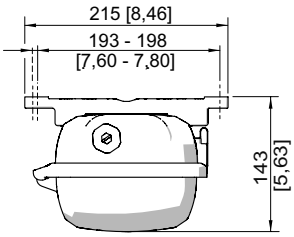


Ring bolt fitted in insert nut of the luminaire

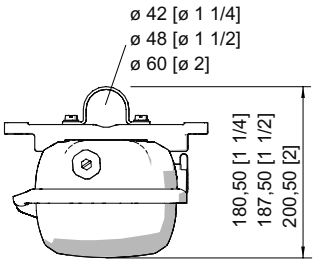




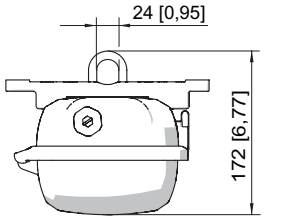
Mounting rail



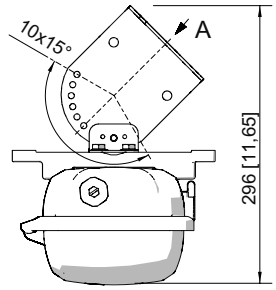
Mounting rail



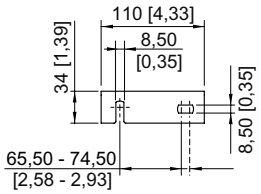
Pipe clamp fitted in mounting rail



Mounting bracket fitted in mounting rail



A



Wall mounting bracket fitted in mounting rail

Start-up current

Ipeak = 51 A; Delta t = 127 µs

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



- 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

Size Light distribution Lamp wattage Luminous flux Luminaire efficacy			2 120°x120° 22 W 2550 lm 116 lm/W						
Product variant	Translucent cover	Light colour	Disconnection of the luminaire	Diffuser	Drilled holes	Threaded plate	Product Type	Art. No.	Weight
standard	Translucent	5000 K – neutral white	No	Without diffuser	3 x M25	2x plastic	6402/4124-6100-152-1110-11-850S	285111	3.15 kg
		5000 K – neutral white	No	Without diffuser	3 x M20	2x SS430 stainless steel	6402/4124-6100-152-2220-22-850S	285113	3.25 kg
Size Light distribution Lamp wattage Luminous flux Luminaire efficacy			2 120°x120° with diffusing glass 22 W 2910 lm 132 lm/W						
Product variant	Translucent cover	Light colour	Disconnection of the luminaire	Diffuser	Drilled holes	Threaded plate	Product Type	Art. No.	Weight
Interfaces DALI	Clear	5000 K – neutral white	No	With diffuser	3 x M25	2x plastic	6402/4128-6110-172-1110-11-8500	270850	3.3 kg
standard	Clear	5000 K – neutral white	No	With diffuser	3 x M25	2x plastic	6402/4128-6100-152-1110-11-8500	267040	3.2 kg
		5000 K – neutral white	No	With diffuser	3 x M20	2x SS430 stainless steel	6402/4128-6100-152-2220-22-8500	271908	3.3 kg
with address module	Clear	5000 K – neutral white	No	With diffuser	3 x M25	2x plastic	6402/4128-6120-152-1110-11-8500	267039	3.3 kg

EXLUX Linear Luminaire with LED

Series 6402/4

Selection Table

Size Light distribution Lamp wattage Luminous flux Luminaire efficacy			4 120°x120° 42 W 5100 lm 121 lm/W						
Product variant	Translucent cover	Light colour	Disconnection of the luminaire	Diffuser	Drilled holes	Threaded plate	Product Type	Art. No.	Weight
standard	Translucent	5000 K – neutral white	No	Without diffuser	3 x M25	2x plastic	6402/4144-6100-152-1110-11-850S	285112	5.55 kg
		5000 K – neutral white	No	Without diffuser	3 x M20	2x SS430 stainless steel	6402/4144-6100-152-2220-22-850S	285114	5.55 kg
Size Light distribution Lamp wattage Luminous flux Luminaire efficacy			4 120°x120° with diffusing glass 42 W 5810 lm 138 lm/W						
Product variant	Translucent cover	Light colour	Disconnection of the luminaire	Diffuser	Drilled holes	Threaded plate	Product Type	Art. No.	Weight
Interfaces DALI	Clear	5000 K – neutral white	No	With diffuser	3 x M25	2x plastic	6402/4148-6110-172-1110-11-8500	271475	5.65 kg
standard	Clear	5000 K – neutral white	No	With diffuser	3 x M25	2x plastic	6402/4148-6100-152-1110-11-8500	267054	5.6 kg
		5000 K – neutral white	No	With diffuser	3 x M20	2x SS430 stainless steel	6402/4148-6100-152-2220-22-8500	267055	5.7 kg
with address module	Clear	5000 K – neutral white	No	With diffuser	3 x M25	2x plastic	6402/4148-6120-152-1110-11-8500	267057	5.6 kg
Size Light distribution Lamp wattage Luminous flux Luminaire efficacy			6 120°x120° with diffusing glass 50 W 6960 lm 139 lm/W						
Product variant	Translucent cover	Light colour	Disconnection of the luminaire	Diffuser	Drilled holes	Threaded plate	Product Type	Art. No.	Weight
standard	Clear	5000 K – neutral white	No	With diffuser	3 x M25	2x plastic	6402/4168-6200-152-1110-11-8500	276351	7 kg
		5000 K – neutral white	No	With diffuser	3 x M20	2x SS430 stainless steel	6402/4168-6200-152-2220-22-8500	276354	7 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.

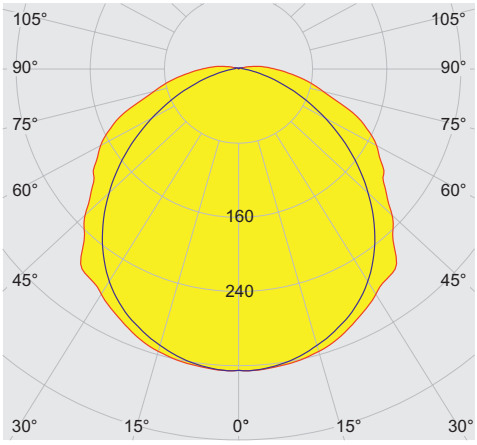
Technical Data

Variant	standard / product variant "–" without disconnection	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	Ⓔx II 3 G Ex ec IIC T4 Gc	Ⓔx II 3 G Ex ec IIC T4 Gc	Ⓔx II 3 G Ex ec nC IIC T4 Gc
ATEX dust explosion protection	Ⓔx II 2 D Ex tb op is / tc IIIC T100 °C Db	Ⓔx II 2 D Ex tb op is / tc IIIC T100 °C Db	Ⓔx II 2 D Ex tb op is / tc IIIC T100 °C Db
Certificates	ATEX (IBE), IECEx (IBE)	ATEX (IBE), IECEx (IBE)	ATEX (IBE), IECEx (IBE)
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

Technical Data

Variant	standard / product variant "–" without disconnection	Interfaces DALI	with address module
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
Lighting Data			
Number of lamps	1	1	1
Lamp	LED	LED	LED
Colour rendering	≥ 80	≥ 80	≥ 80
Colour temperature	5000 K	5000 K	5000 K
Mechanical Data			
IP degree of protection (IEC 60598)	IP66/IP67	IP66/IP67	IP66/IP67
Enclosure material	Polyester resin, Glass fibre reinforced	Polyester resin, Glass fibre reinforced	Polyester resin, Glass fibre reinforced
Sealing material	Silicone	Silicone	Silicone
Max. solid connection terminals	6 mm²	6 mm²	6 mm²
Max. finely stranded connection terminals	4 mm²	4 mm²	4 mm²
Type of connection cable	Finely stranded Solid	Finely stranded Solid	Finely stranded Solid
Impact strength (IEC 62262)	IK10	IK10	IK10
Enclosure colour	Light grey (RAL 7035)	Light grey (RAL 7035)	Light grey (RAL 7035)
Notes	Connection terminals: Spring clamp terminal (2 free clamping units per pole)		
Components			
Cable entry material	Polyamide, black	Polyamide, black	Polyamide, black
Stopping plug material	Polyamide, black	Polyamide, black	Polyamide, black
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

Light Distribution Curves – Subject to Alterations



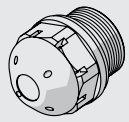
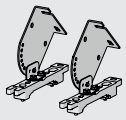
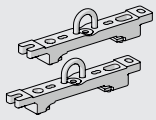
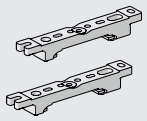
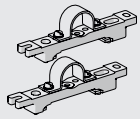
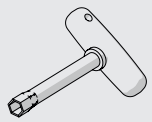
cd/klm 100%

C0 - C180 C90 - C270

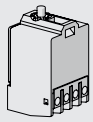
typical with diffusor, clear translucent cover

E2

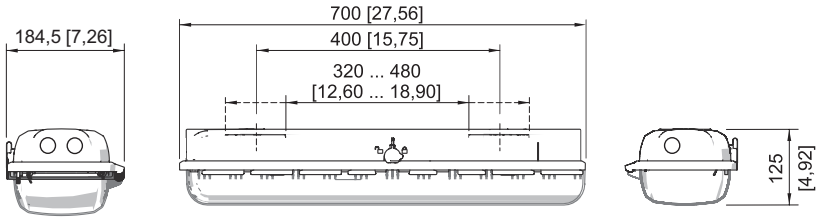
Accessories

Figure	Description	Art. No.	Weight
Breather			
	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
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	1.2 kg
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 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
Mounting bracket			
	mounting clamp mounted on a mounting rail for a variable mounting distance; 1 pair	222456	400 g
Mounting rail			
	for a variable mounting distance; 1 pair	222826	350 g
Pipe clamp			
	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
Pole mounting sleeve			
	for the subsequent mounting on lights size 2 and size 4, completely with assembly parts (for pipe diameter 42 mm)	227512	3.2 kg
Ring bolt			
	M8, direct mounting in insert nuts; 1 pair	115736	115 g
Socket key			
	M8 / wrench size 13; to open/close the central locking	222430	110 g

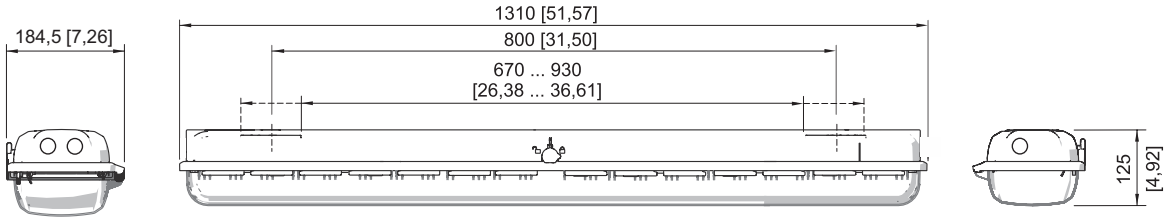
Spare Parts

Figure	Description	Art. No.	Weight
Contact element			
	8080/1-3-L 2 NC contact element	132527	26 g
Cover			
	for luminaire size 4	222428	1.15 kg
	for luminaire size 6	222429	1.45 kg
	for luminaire size 2	222427	639 g

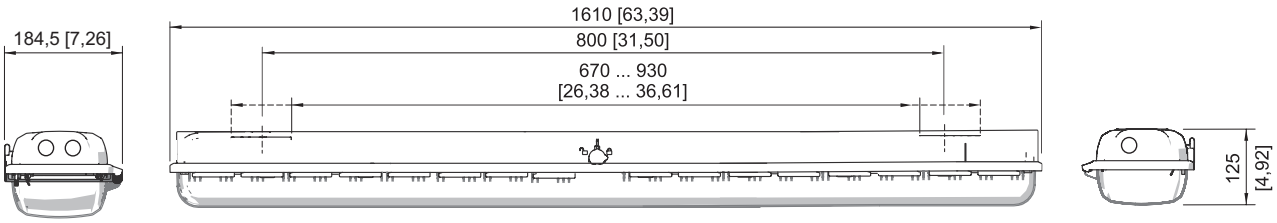
Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



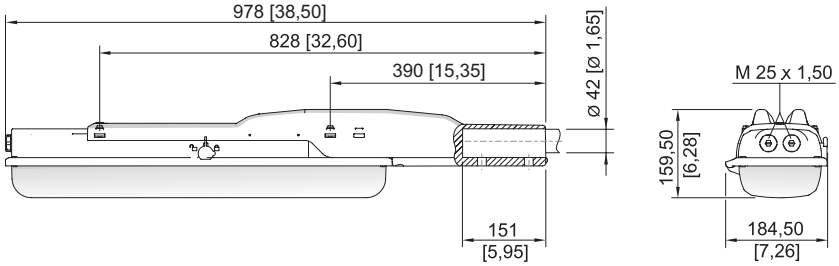
Size 2



Size 4

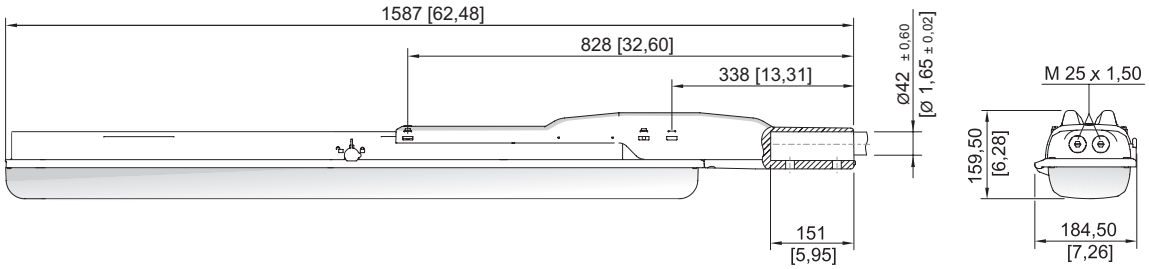


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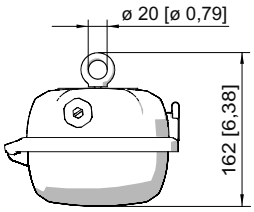


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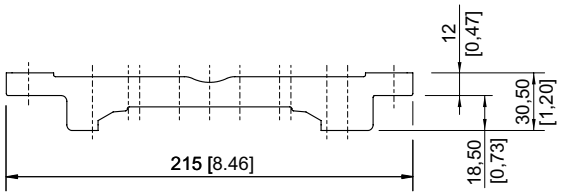
E2

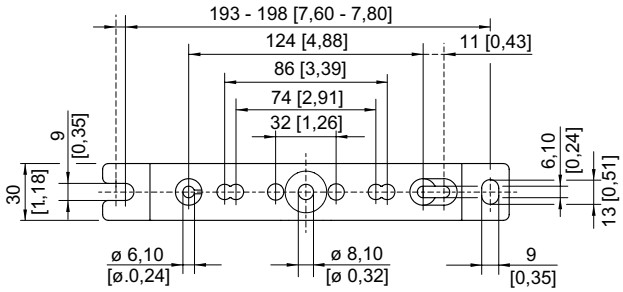


Size 4

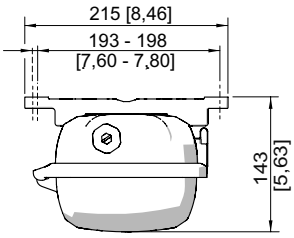


Ring bolt fitted in insert nut of the luminaire

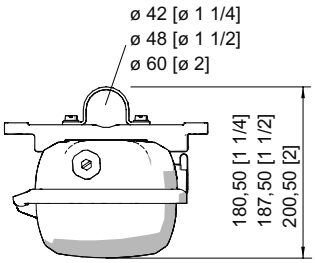




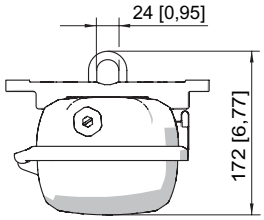
Mounting rail



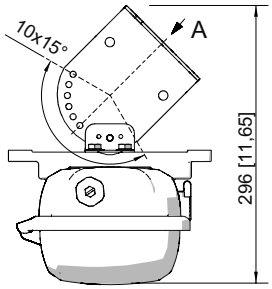
Mounting rail



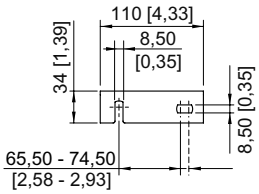
Pipe clamp fitted in mounting rail



Mounting bracket fitted in mounting rail



A



Wall mounting bracket fitted in mounting rail



- Highly resistant industrial design
- Linear luminaire with long-life, efficient LED technology (up to 138 lm/W)
- Lightweight yet extremely robust, with an impact strength rating of IK10

MY R. STAHL **L402A**

The EXLUX L402/4 luminaire is designed for industrial use and can be fitted to the ceiling, a pole, or alternatively, it can be suspended. A bright light for not much energy is what you get with this efficient LED technology, which offers the added benefit of increased service life – this can be as much as 100,000 hours. The plastic enclosure is easily to open by a central lock.

Selection Table

Size Light distribution Lamp wattage Luminous flux Luminaire efficacy			2 120°x120° with diffusing glass 22 W 2910 lm 132 lm/W					
Translucent cover	Light colour	Disconnection of the luminaire	Diffuser	Drilled holes	Threaded plate	Product Type	Art. No.	Weight
Clear	5000 K – neutral white	No	With diffuser	3 x M25	2x plastic	L402/4328-6100-152-1110-11-8500	271366	3.2 kg
		No	With diffuser	3 x M20	2x SS430 stainless steel	L402/4328-6100-152-2220-22-8500	271367	3.3 kg
Size Light distribution Lamp wattage Luminous flux Luminaire efficacy			4 120°x120° with diffusing glass 42 W 5810 lm 138 lm/W					
Translucent cover	Light colour	Disconnection of the luminaire	Diffuser	Drilled holes	Threaded plate	Product Type	Art. No.	Weight
Clear	5000 K – neutral white	No	With diffuser	3 x M25	2x plastic	L402/4348-6100-152-1110-11-8500	271364	5.6 kg
		No	With diffuser	3 x M20	2x SS430 stainless steel	L402/4348-6100-152-2220-22-8500	271365	5.7 kg
Size Light distribution Lamp wattage Luminous flux Luminaire efficacy			6 120°x120° with diffusing glass 50 W 6960 lm 139 lm/W					
Translucent cover	Light colour	Disconnection of the luminaire	Diffuser	Drilled holes	Threaded plate	Product Type	Art. No.	Weight
Clear	5000 K – neutral white	No	With diffuser	3 x M25	2x plastic	L402/4368-6200-152-1110-11-8500	285176	7 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.

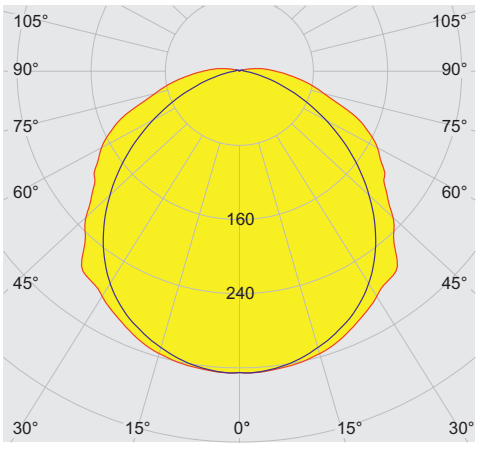
The light fittings are supplied without mounting material.

E2

Technical Data

Explosion Protection	
Class	I (with inner PE connection)
Electrical Data	
Rated operational voltage AC	100 – 240 V
Rated operational voltage DC	200 ... 250 V
Ambient Conditions	
Ambient temperature	-40 °C ... +55 °C Note: Through wiring Max. 3x16 A -40 °C ... +60 °C Note: Through wiring 2 Max. 3x10 A
Lighting Data	
Lamp	LED
Colour rendering	≥ 80
Colour temperature	5000 K
Mechanical Data	
IP degree of protection (IEC 60598)	IP66/IP67
Class	I (with inner PE connection)
Enclosure material	Polyester resin, Glass fibre reinforced
Sealing material	Silicone
Translucent cover material	Polycarbonate
Installed terminal strip	PE + N + L1 + L2 + L3
Max. solid connection terminals	6 mm²
Type of connection cable	Finely stranded Solid
Impact strength (IEC 62262)	IK10
Enclosure colour	Light grey (RAL 7035)
Notes	Connection terminals: Spring clamp terminal (2 free clamping units per pole available)
Components	
Ballast	VG Luxtronic 40 W 300 mA
Through wiring	With 5 conductors 2.5 mm²

Light Distribution Curves – Subject to Alterations

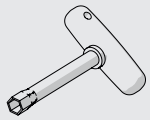
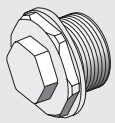
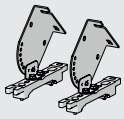
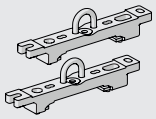
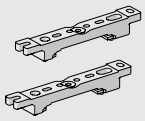
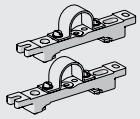


cd/klm 100%

C0 - C180 C90 - C270

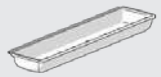
typical with diffusor, clear translucent cover

Accessories

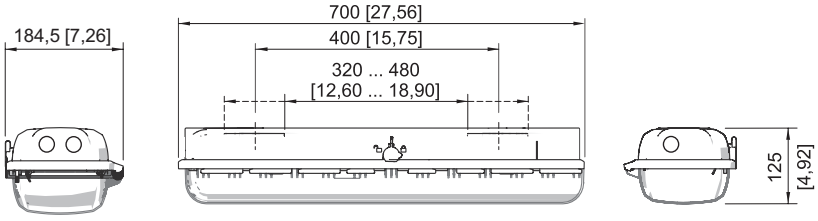
Figure	Description	Art. No.	Weight
Box spanner			
	M8 / A/F 13; For actuating the central lock	222430	110 g
Breather			
	Thread: M25 x 1.5 (1 piece); for installation in light fittings; made from stainless steel; without jam nut	296608	-
Ceiling and wall mounting bracket			
	mounted on a mounting rail for a variable mounting distance; Material: stainless steel; Lamp can be swiveled in steps of 15°; 1 pair	222827	1.2 kg
Cover			
	For size 2 luminaires (diffuse), when used on an emergency luminaire with individual power supply, the visibility of the display LED may be restricted	276669	1 kg
	For size 4 luminaires (diffuse), when used on an emergency luminaire with individual power supply, the visibility of the display LED may be restricted	276670	1.2 kg
Mounting bracket			
	mounting clamp mounted on a mounting rail for a variable mounting distance; 1 pair	222456	400 g
Mounting rail			
	for a variable mounting distance; 1 pair	222826	350 g
Pipe clamp			
	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
Pole mounting sleeve			
	for the subsequent mounting on lights size 2 and size 4, completely with assembly parts (for pipe diameter 42 mm)	227512	3.2 kg
Ring bolt			
	M8, direct mounting in insert nuts; 1 pair	115736	115 g

E2

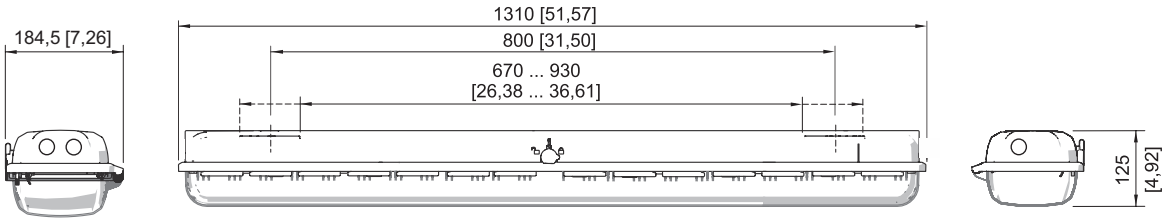
Spare Parts

Figure	Description	Art. No.	Weight
Cover			
	for luminaire size 4	222428	1.15 kg
	for luminaire size 6	222429	1.45 kg
	for luminaire size 2	222427	639 g

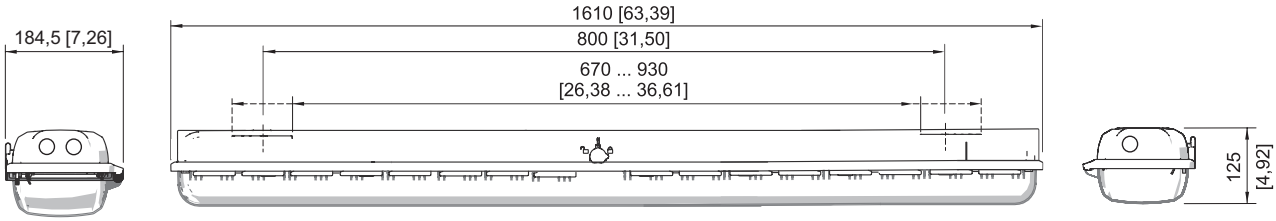
Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



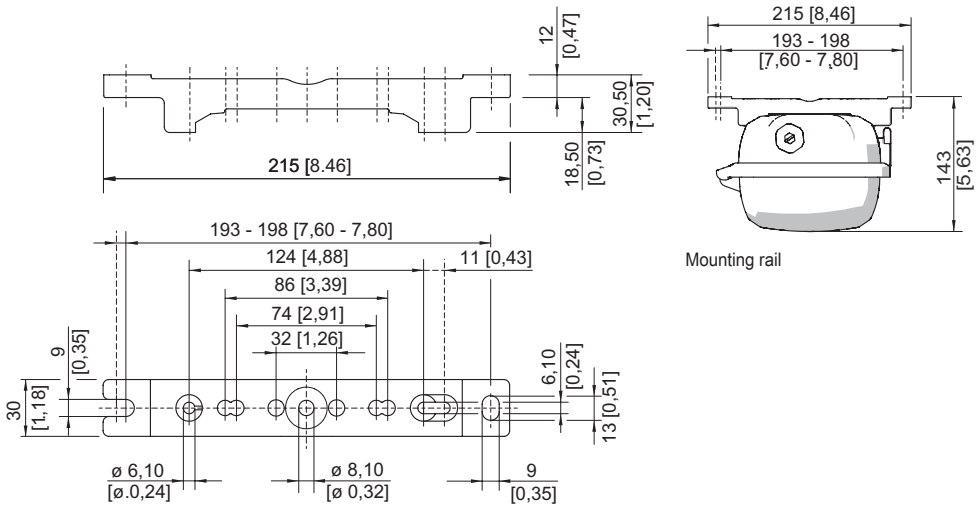
Size 2



Size 4

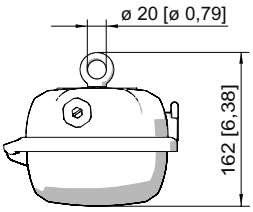


Size 6

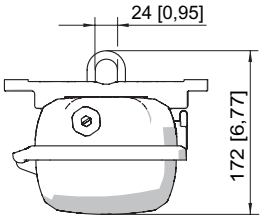


Mounting rail

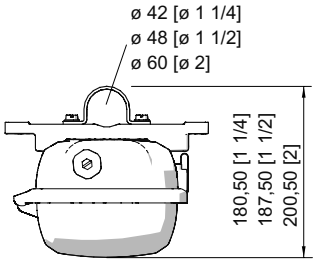
Mounting rail



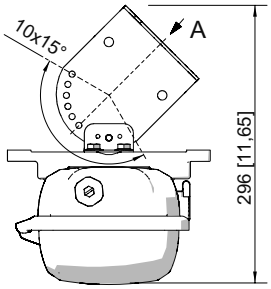
Ring bolt fitted in insert nut of the luminaire



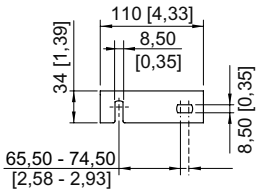
Mounting bracket fitted in mounting rail



Pipe clamp fitted in mounting rail



A



Wall mounting bracket fitted in mounting rail



- Extremely compact and robust light fitting for general lighting applications
- Vibration-proof, sturdy and low-maintenance
- Optionally available with DALI interface or address module for operation in central battery systems.
- IP66/IP67 and IP68 degree of protection
- Suitable for operation in extreme ambient temperatures from -55 °C to +70 °C

MY R. STAHL **6036B**

The Series 6036 compact LED tubular light fitting is ideal for general lighting applications and for use as a machine luminaire, even in hard-to-reach areas with very little space. This light fitting boasts a long service life of up to 100,000 hours thanks to its use of energy-efficient LED technology, coupled with electronics that have been developed in-house by R. STAHL.
Due to its robust design, it can withstand extreme temperatures of between -55 °C and +70 °C.

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

Selection Table							
Size		1					
Cable length	Light colour	Luminaire efficacy	Luminous flux	Colour temperature	Product Type	Art. No.	Weight
2.5 m	850 to 5000 K CRI80	116 lm/W	1510 lm	5000 K	6036/31101-42500-111025-850-0000ST00	319507	1.54 kg
5 m	053 – green (530 nm)	85 lm/W	1110 lm	–	6036/31101-42500-111050-053-0000ST00	317332	1.85 kg
	850 to 5000 K CRI80	116 lm/W	1510 lm	5000 K	6036/31101-42500-111050-850-0000ST00	316968	1.84 kg
	Warm neutral white CRI90	104 lm/W	1350 lm	4000 K	6036/31101-42500-111050-940-0000ST00	317333	1.84 kg
10 m	850 to 5000 K CRI80	116 lm/W	1510 lm	5000 K	6036/31101-42500-111100-850-0000ST00	317334	2.44 kg
Size		2					
Cable length	Light colour	Luminaire efficacy	Luminous flux	Colour temperature	Product Type	Art. No.	Weight
2.5 m	850 to 5000 K CRI80	127 lm/W	3050 lm	5000 K	6036/31201-42500-111025-850-0000ST00	319508	1.84 kg
5 m	850 to 5000 K CRI80	127 lm/W	3050 lm	5000 K	6036/31201-42500-111050-850-0000ST00	316969	2.14 kg
	Warm neutral white CRI90	113 lm/W	2700 lm	4000 K	6036/31201-42500-111050-940-0000ST00	317336	2.14 kg
10 m	850 to 5000 K CRI80	127 lm/W	3050 lm	5000 K	6036/31201-42500-111100-850-0000ST00	317337	2.74 kg
Size		3					
Cable length	Light colour	Luminaire efficacy	Luminous flux	Colour temperature	Product Type	Art. No.	Weight
2.5 m	850 to 5000 K CRI80	128 lm/W	4620 lm	5000 K	6036/31301-44500-111025-850-0000ST00	319509	2.34 kg

Tubular light fitting with LED
Series 6036

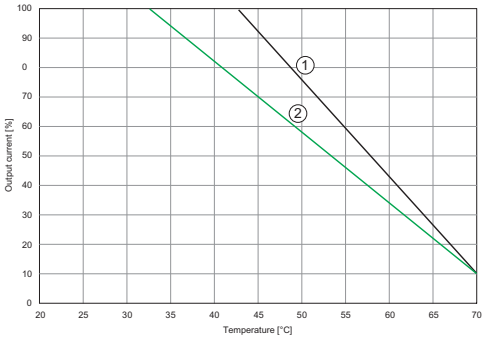
Selection Table

Size		3					
Cable length	Light colour	Luminaire efficacy	Luminous flux	Colour temperature	Product Type	Art. No.	Weight
5 m	053 – green (530 nm)	94 lm/W	3370 lm	–	6036/31301-44500-111050-053-0000ST00	317338	2.67 kg
	850 to 5000 K CRI80	128 lm/W	4620 lm	5000 K	6036/31301-44500-111050-850-0000ST00	319531	2.64 kg
	Warm neutral white CRI90	113 lm/W	4050 lm	4000 K	6036/31301-44500-111050-940-0000ST00	317339	2.64 kg
10 m	850 to 5000 K CRI80	128 lm/W	4620 lm	5000 K	6036/31301-44500-111100-850-0000ST00	317340	3.24 kg
Size		4					
Cable length	Light colour	Luminaire efficacy	Luminous flux	Colour temperature	Product Type	Art. No.	Weight
2.5 m	850 to 5000 K CRI80	129 lm/W	6040 lm	5000 K	6036/31401-44500-111025-850-0000ST00	319510	2.65 kg
5 m	053 – green (530 nm)	96 lm/W	4490 lm	–	6036/31401-44500-111050-053-0000ST00	317341	2.99 kg
	850 to 5000 K CRI80	129 lm/W	6040 lm	5000 K	6036/31401-44500-111050-850-0000ST00	319532	2.95 kg
	Warm neutral white CRI90	115 lm/W	5400 lm	4000 K	6036/31401-44500-111050-940-0000ST00	317342	2.95 kg
10 m	850 to 5000 K CRI80	129 lm/W	6040 lm	5000 K	6036/31401-44500-111100-850-0000ST00	317343	3.55 kg

Technical Data

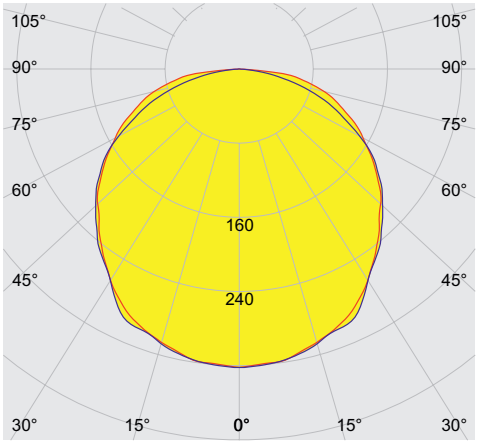
Variant	5000 K	4000 K
Explosion Protection		
IECEx gas explosion protection	Ex db op is IIC T4 Gb	Ex db op is IIC T4 Gb
IECEx dust explosion protection	Ex tb IIIC T100 °C Db	Ex tb IIIC T100 °C Db
ATEX gas explosion protection	Ⓔx II 2 G Ex db op is IIC T4 Gb	Ⓔx II 2 G Ex db op is IIC T4 Gb
ATEX dust explosion protection	Ⓔx II 2 D Ex tb IIIC T100 °C Db	Ⓔx II 2 D Ex tb IIIC T100 °C Db
Certificates	ATEX (BVIS), IECEx (BVIS)	ATEX (BVIS), IECEx (BVIS)
Declaration of Conformity	ATEX (EUK)	ATEX (EUK)
Electrical Data		
Rated operational voltage AC	100 ... 277 V	100 ... 277 V
Rated operational voltage DC	190 ... 250 V	190 ... 250 V
Frequency range	50 – 60Hz	50 – 60Hz
Ambient Conditions		
Ambient temperature	-55 °C ... 70 °C switch on above -40 °C	-55 °C ... 70 °C switch on above -40 °C
Storage temperature	-40 °C ... 70 °C	-40 °C ... 70 °C
Lighting Data		
Light distribution	140° with diffusing glass	140° with diffusing glass
Colour rendering	≥ 80	≥ 90
Note	Values apply to T_a = +25 °C	Values apply to T_a = +25 °C
Mechanical Data		
IP degree of protection (IEC 60598)	IP66 / IP68 (10 m / 60 min)	IP66 / IP68 (10 m / 60 min)
Class	II	II
Enclosure material	Polycarbonate	Polycarbonate
Pipe material	Polycarbonate	Polycarbonate
Type of connection cable	H07RN8-F 2x1.5 mm²	H07RN8-F 2x1.5 mm²
Impact strength (IEC 62262)	IK11	IK11
Notes	Standard cable: H07RN8-F Additional cable types possible: BFOU P5-P12, Radox MFH-S B, (N)SSHÖU, HXSLHXÖ-J	

Technical Drawings – Subject to Alterations



Luminous flux decline
- In DC operation to 50%
- Relative to ambient temperature
1: All white tones, size 1 to 4
2: All colours, size 1 to 4

Light Distribution Curves – Subject to Alterations



cd/klm 100%

C0 - C180 C90 - C270

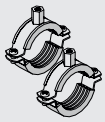
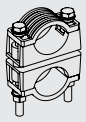
with diffuser

Accessories

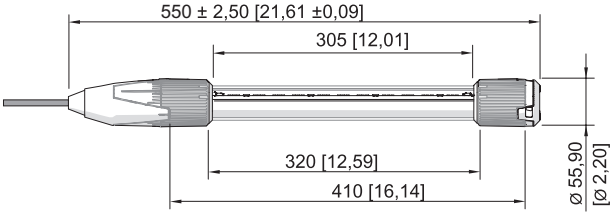
Figure	Description	Art. No.	Weight
Plug			
	8570/12-306-S-XX-X-XX-XXX 3-pole plug, 200 to 250 V AC, 50 / 60 Hz, 16 A	272898	331 g

E2

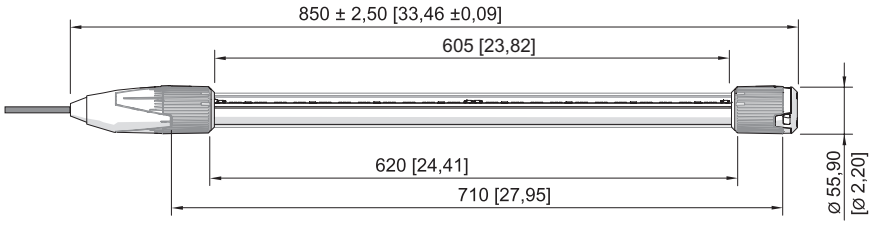
Accessories

Figure	Description	Art. No.	Weight
Mounting bracket			
	Mounting bracket made of galvanised sheet steel to screw onto thread M8 or M10 (2 pieces)	227256	190 g
	Mounting bracket made of stainless steel V4A to screw onto thread M8 or M10 (2 pieces)	227257	180 g
	Double plastic mounting clamp for mounting on pipes with a diameter of 45 to 55 mm (screws and nuts made from stainless steel V2A) (2 pieces)	254932	800 g
	Mounting bracket made from galvanised sheet steel (x 2 units); for design size 1	120535	48 g
	Mounting plate made of stainless steel V4A for terminal box Ex e Series 8010 (for example Art. No. 130724) for fastening on mounting bracket Art. No. 252940	254494	700 g
Mounting bracket and magnet			
	Mounting bracket made from galvanised sheet steel with magnetic base (x 2 units); for design size 1	120536	100 g

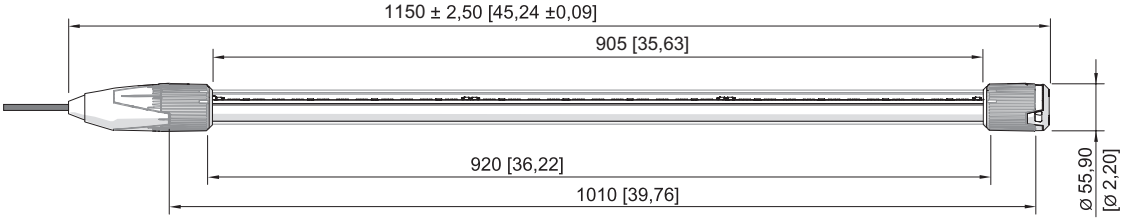
Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



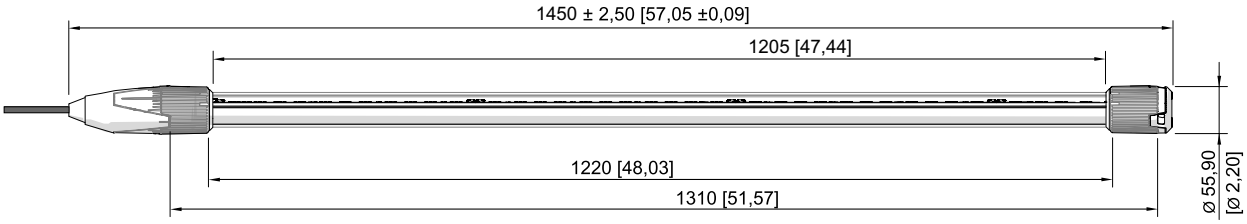
Design size 1



Design size 2



Design size 3



Design size 4



- Degree of protection IP66 and IP68
- Type of protection Ex d
- Vibration-resistant, lightweight, robust (impact strength rating of IK10) and maintenance-free
- Many light fittings can be connected to single miniature circuit breaker due to incredibly low start-up current

MY R. STAHL **6036A**

The 6036 series compact LED tubular light fitting is ideal for general lighting applications and for use as machine lighting, even in relatively inaccessible places with very little space. This light boasts a long service life of up to 100,000 hours thanks to its use of energy-efficient LED technology, coupled with electronics that have been developed in-house by R. STAHL. Due to its robust construction, it can withstand extreme temperatures of between -55 °C and +60 °C.

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

Selection Table

Size	1
Cable length	2.5 m
Rated operational voltage AC	24 ... 48 V
Rated operational voltage DC	24 ... 48 V
Gas temperature class	T4
Dust max. surface temperature	100 °C
Ambient temperature	-40 °C ... +70 °C

Light colour	Luminaire efficacy	Luminous flux	Type of connection cable	Product Type	Art. No.	Weight
Blue	27 lm/W	338 lm	H07RN8-F 2x1.5 mm²	6036/1212-053-0121-17	263762	1 kg
Green	53 lm/W	671 lm	H07RN8-F 2x1.5 mm²	6036/1212-053-0121-14	262509	1 kg
Neutral white	104 lm/W	1396 lm	H07RN8-F 2x1.5 mm²	6036/1212-453-0121-11	274308	1 kg
Red	45 lm/W	475 lm	H07RN8-F 2x1.5 mm²	6036/1212-053-0121-16	262510	1 kg

Size	1
Cable length	2.5 m
Rated operational voltage AC	110 ... 240 V
Rated operational voltage DC	110 ... 240 V
Gas temperature class	T4
Dust max. surface temperature	100 °C
Ambient temperature	-30 °C ... +70 °C

Light colour	Luminaire efficacy	Luminous flux	Type of connection cable	Product Type	Art. No.	Weight
Blue	27 lm/W	338 lm	H07RN8-F 2x1.5 mm²	6036/1212-055-0121-17	263763	1 kg
Green	53 lm/W	671 lm	H07RN8-F 2x1.5 mm²	6036/1212-055-0121-14	262541	1 kg
Neutral white	104 lm/W	1396 lm	H07RN8-F 2x1.5 mm²	6036/1212-455-0121-11	274268	1 kg
Red	45 lm/W	475 lm	H07RN8-F 2x1.5 mm²	6036/1212-055-0121-16	262542	1 kg

E2

Selection Table

Size	1
Cable length	2.5 m
Rated operational voltage DC	12 V
Gas temperature class	T4
Dust max. surface temperature	100 °C
Ambient temperature	-40 °C ... +40 °C

Light colour	Luminaire efficacy	Luminous flux	Type of connection cable	Product Type	Art. No.	Weight
Neutral white	104 lm/W	1396 lm	H07RN8-F 2x1.5 mm²	6036/1212-452-0121-11	274365	1 kg

Size	2
Cable length	5 m
Rated operational voltage AC	220 ... 240 V
Rated operational voltage DC	209 ... 240 V
Gas temperature class	T4
Dust max. surface temperature	100 °C
Ambient temperature	-50 °C ... +60 °C (Energise above -40 °C)

Light colour	Luminaire efficacy	Luminous flux	Type of connection cable	Product Type	Art. No.	Weight
Neutral white	109 lm/W	2768 lm	H07RN8-F 2x1.5 mm²	6036/1225-450-0151-41	272550	1.9 kg
	111 lm/W	2834 lm	H07RN8-F 2x1.5 mm²	6036/1225-450-0151-31	272547	1.8 kg
	112 lm/W	2847 lm	H07RN8-F 2x1.5 mm²	6036/1225-450-0151-11	274207	1.73 kg

Size	3
Cable length	5 m
Rated operational voltage AC	220 ... 240 V
Rated operational voltage DC	209 ... 240 V
Gas temperature class	T4
Dust max. surface temperature	100 °C
Ambient temperature	-55 °C ... +60 °C (Energise above -40 °C)

Light colour	Luminaire efficacy	Luminous flux	Type of connection cable	Product Type	Art. No.	Weight
Neutral white	113 lm/W	4147 lm	H07RN8-F 2x1.5 mm²	6036/1235-450-0151-41	272551	2.2 kg
	115 lm/W	4246 lm	H07RN8-F 2x1.5 mm²	6036/1235-450-0151-31	272548	2.1 kg
	116 lm/W	4266 lm	H07RN8-F 2x1.5 mm²	6036/1235-450-0151-11	274227	2.09 kg

Size	4
Cable length	5 m
Rated operational voltage AC	220 ... 240 V
Rated operational voltage DC	209 ... 240 V
Gas temperature class	T4
Dust max. surface temperature	100 °C
Ambient temperature	-55 °C ... +60 °C (Energise above -40 °C)

Light colour	Luminaire efficacy	Luminous flux	Type of connection cable	Product Type	Art. No.	Weight
Monochromatic yellow	37 lm/W	1543 lm	H07RN8-F 2x1.5 mm²	6036/1248-050-0151-18	267771	2.35 kg
Neutral white	112 lm/W	5419 lm	H07RN8-F 2x1.5 mm²	6036/1248-450-0151-41	272552	2.7 kg
	116 lm/W	5575 lm	H07RN8-F 2x1.5 mm²	6036/1248-450-0151-11	274247	2.44 kg
		5549 lm	H07RN8-F 2x1.5 mm²	6036/1248-450-0151-31	272549	2.5 kg
Yellow phosphorus converted	55 lm/W	3003 lm	H07RN8-F 2x1.5 mm²	6036/1248-050-0151-15	259934	2.44 kg

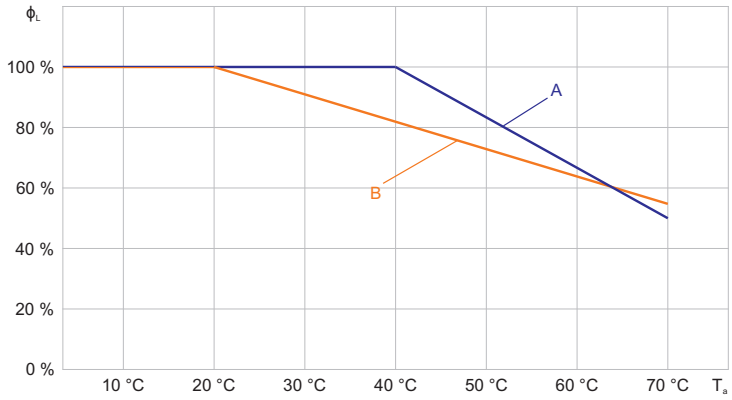
Technical Data

Variant	Size 1	Size 2	Size 3	Size 4
Explosion Protection				
IECEx gas explosion protection	Ex db op is IIC T.. Gb	Ex db op is IIC T.. Gb	Ex db op is IIC T.. Gb	Ex db op is IIC T.. Gb
IECEx dust explosion protection	Ex tb IIIC T.. Db	Ex tb IIIC T.. Db	Ex tb IIIC T.. Db	Ex tb IIIC T.. Db
ATEX gas explosion protection	Ⓔx II 2 G Ex db op is IIC T.. Gb	Ⓔx II 2 G Ex db op is IIC T.. Gb	Ⓔx II 2 G Ex db op is IIC T.. Gb	Ⓔx II 2 G Ex db op is IIC T.. Gb
ATEX dust explosion protection	Ⓔx II 2 D Ex tb IIIC T.. Db	Ⓔx II 2 D Ex tb IIIC T.. Db	Ⓔx II 2 D Ex tb IIIC T.. Db	Ⓔx II 2 D Ex tb IIIC T.. Db
Certificates	ATEX (BVIS), IECEx (BVIS)	ATEX (BVIS), IECEx (BVIS)	ATEX (BVIS), IECEx (BVIS)	ATEX (BVIS), IECEx (BVIS)
Ship approval		DNVGL	DNVGL	DNVGL
Notes	For temperature classes and surface temperatures, see selection table			
Electrical Data				
Frequency range	50 – 60 Hz	50 – 60 Hz	50 – 60 Hz	50 – 60 Hz

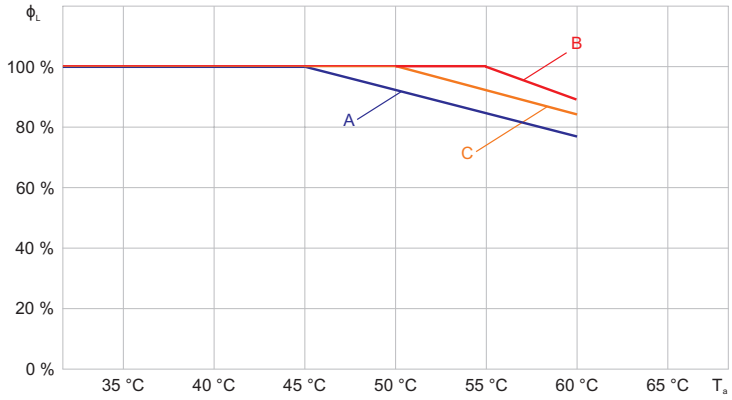
Technical Data

Variant	Size 1	Size 2	Size 3	Size 4
Ambient Conditions				
Storage temperature	-40 °C ... +70 °C	-40 °C ... +70 °C	-40 °C ... +70 °C	-40 °C ... +70 °C
Lighting Data				
Lamp wattage	13 W	28 W	37 W	49 W
Colour rendering	≥ 80	≥ 80	≥ 80	≥ 80
Note	Values apply to T_a = +25 °C	Values apply to T_a = +25 °C	Values apply to T_a = +25 °C	Values apply to T_a = +25 °C
Colour temperature	5000 K	5000 K	5000 K	5000 K
Mechanical Data				
Degree of protection (IP)	IP66 / IP67	IP66 / IP67	IP66 / IP67	IP66 / IP67
IP degree of protection (IEC 60598)	IP66 / IP68 (10 m / 60 min)	IP66 / IP68 (10 m / 60 min)	IP66 / IP68 (10 m / 60 min)	IP66 / IP68 (10 m / 60 min)
Class	II (double insulated)	II (double insulated)	II (double insulated)	II (double insulated)
Enclosure material	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate
Pipe material	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate
Impact strength (IEC 62262)	IK10	IK10	IK10	IK10
Notes	Standard cable: H07RN8-F Additional cable types available: BFOU P5-P12, Radox MFH-S B, (N)SSHÖU, HXSLHXÖ-J			

Technical Drawings – Subject to Alterations



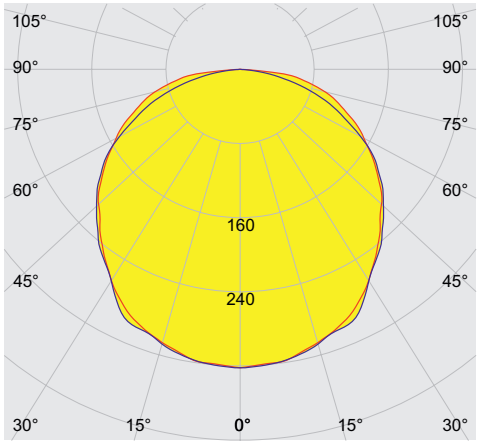
Luminous flux decline relative to ambient temperature
A: Size 1 (110 to 240 V) B: Size 1 (24 to 48 V)



Luminous flux decline relative to ambient temperature
A: Size 2 B: Size 3 C: Size 4

E2

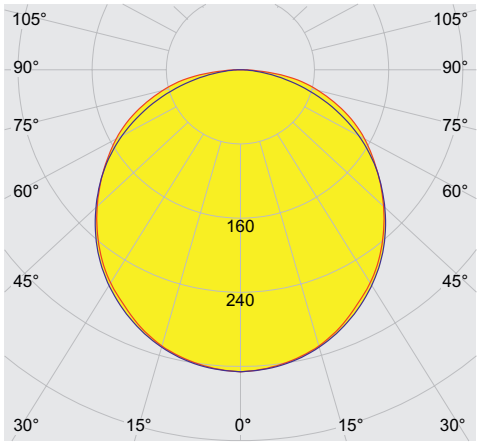
Light Distribution Curves – Subject to Alterations



cd/klm 100%

C0 - C180 C90 - C270

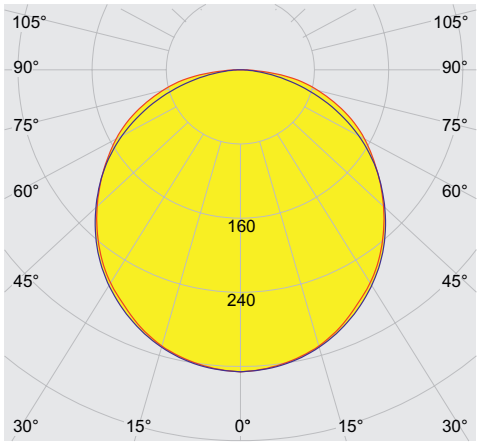
with diffuser



cd/klm 100%

C0 - C180 C90 - C270

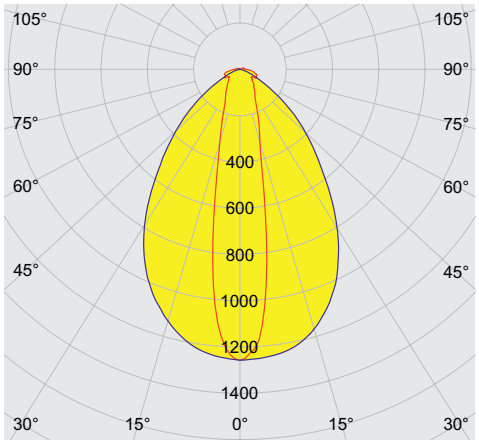
with diffuser



cd/klm 100%

C0 - C180 C90 - C270

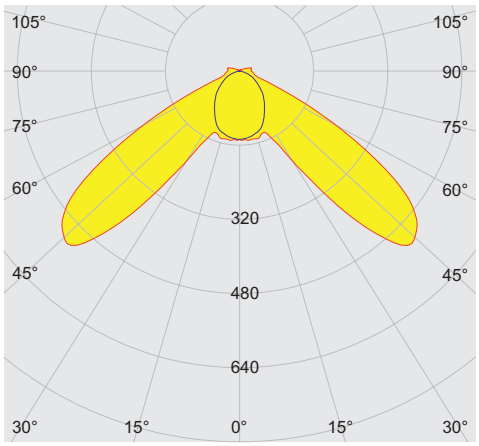
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cd/klm 100%

C0 - C180 C90 - C270

cylinder optics 20°x160°



cd/klm 100%

C0 - C180 C90 - C270

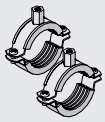
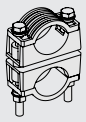
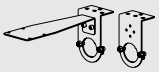
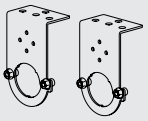
batwing lense

Accessories

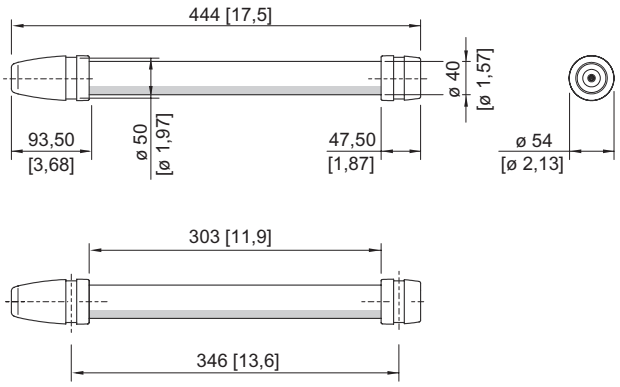
Figure	Description	Art. No.	Weight
Plug			
	8573/12-200 2-pole, 20 to 25 V, 50 / 60 Hz, 16 A	243197	300 g
	8573/12-210 2-pole, 20 to 25 V, DC, 16 A	243203	300 g
	8573/12-300 3-pole, 20 to 25 V, 50 / 60 Hz, 16 A	243190	300 g
	8573/12-312 3-pole, 40 to 50 V, 50 / 60 Hz, 16 A	243195	300 g
	8570/12-304-S-XX-X-XX-XXX 3-pole plug, 100 to 130 V AC, 50/60 Hz, 16 A	272896	331 g
	8570/12-306-S-XX-X-XX-XXX 3-pole plug, 200 to 250 V AC, 50 / 60 Hz, 16 A	272898	331 g

E2

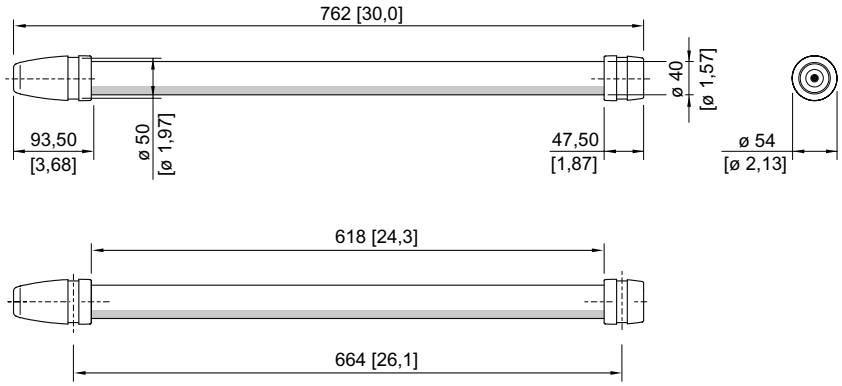
Accessories

Figure	Description	Art. No.	Weight
Mounting bracket			
	Mounting bracket made of galvanised sheet steel to screw onto thread M8 or M10 (2 pieces)	227256	190 g
	Mounting bracket made of stainless steel V4A to screw onto thread M8 or M10 (2 pieces)	227257	180 g
	Double plastic mounting clamp for mounting on pipes with a diameter of 45 to 55 mm (screws and nuts made from stainless steel V2A) (2 pieces)	254932	800 g
	Set of mounting plate Art. no. 254494 and mounting bracket Art. no. 252940	248100	850 g
	Mounting bracket made of stainless steel V4A for fastening on surfaces (2 pieces)	252940	400 g
	Mounting bracket made from galvanised sheet steel (x 2 units); for design size 1	120535	48 g
	Mounting plate made of stainless steel V4A for terminal box Ex e Series 8010 (for example Art. No. 130724) for fastening on mounting bracket Art. No. 252940	254494	700 g
Mounting bracket and magnet			
	Mounting bracket made from galvanised sheet steel with magnetic base (x 2 units); for design size 1	120536	100 g

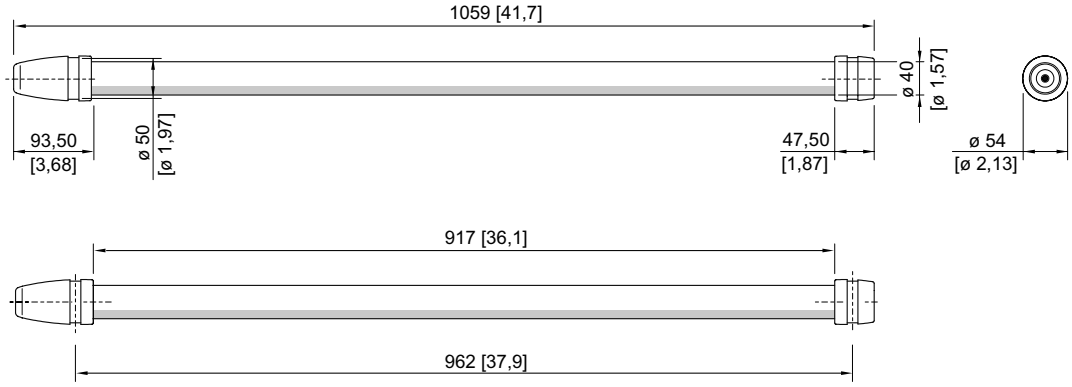
Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



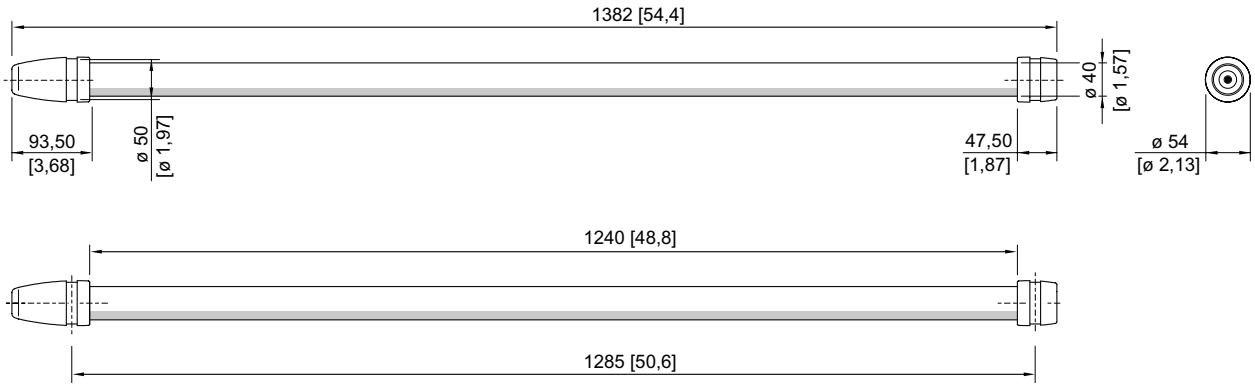
Design size 1



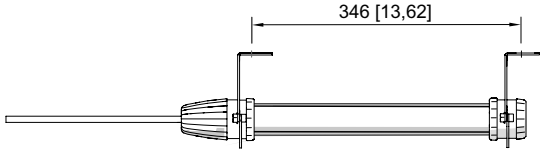
Design size 2



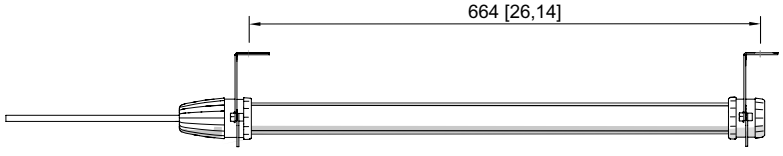
Design size 3



Design size 4

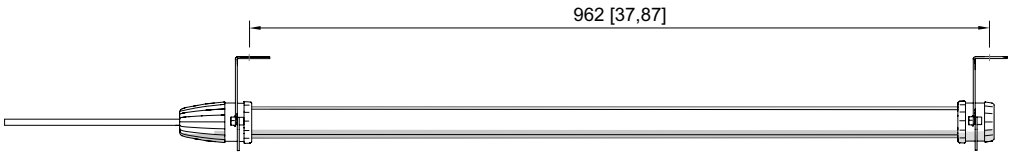


Luminaire with mounting bracket for a surface

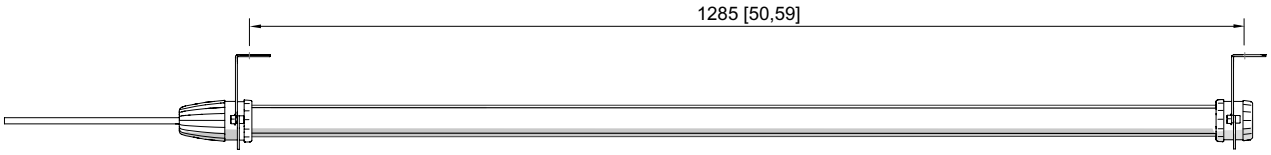


Luminaire with mounting bracket for a surface

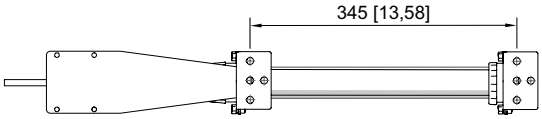
E2



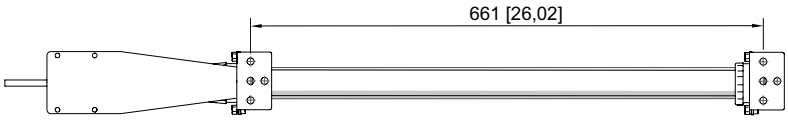
Luminaire with mounting bracket for a surface



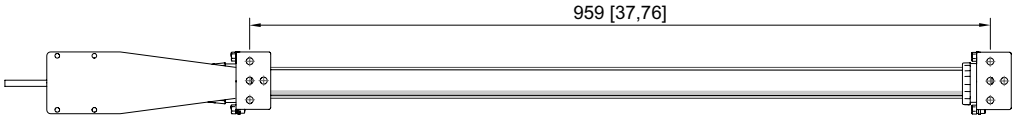
Luminaire with mounting bracket for a surface



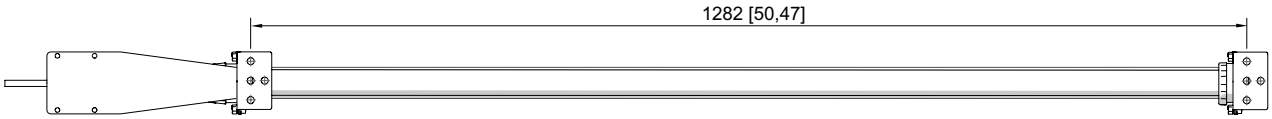
Light fitting with mounting clamp for surface and mounting plate



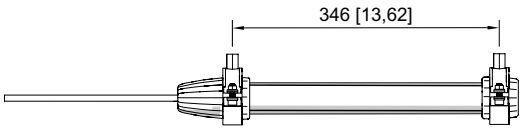
Luminaire with mounting bracket for a surface and mounting plate



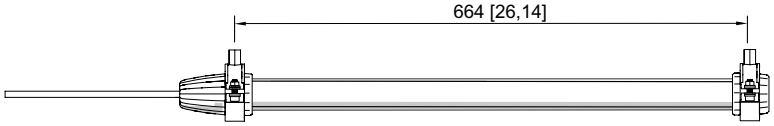
Luminaire with mounting bracket for a surface and mounting plate



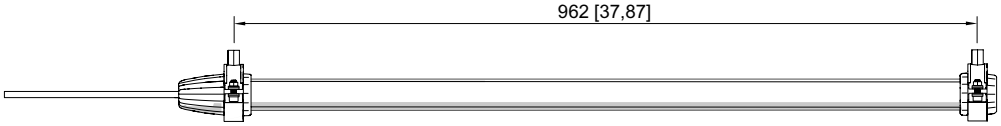
Luminaire with mounting bracket for a surface and mounting plate



Luminaire with mounting bracket for a thread



Luminaire with mounting bracket for a thread

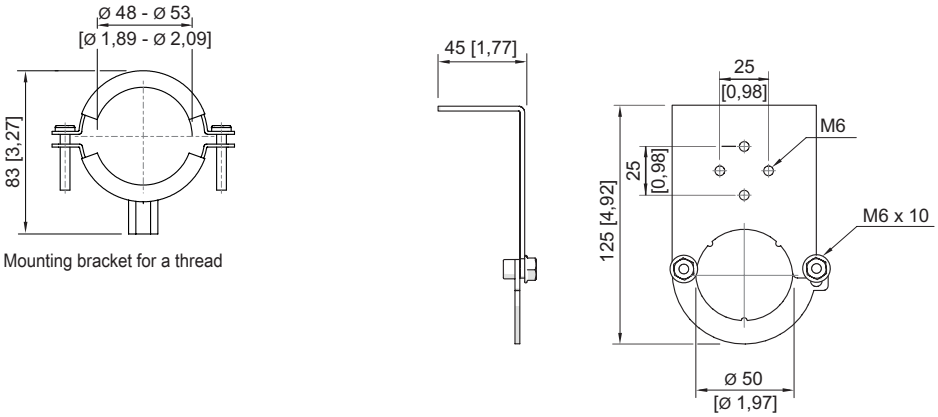


Luminaire with mounting bracket for a thread



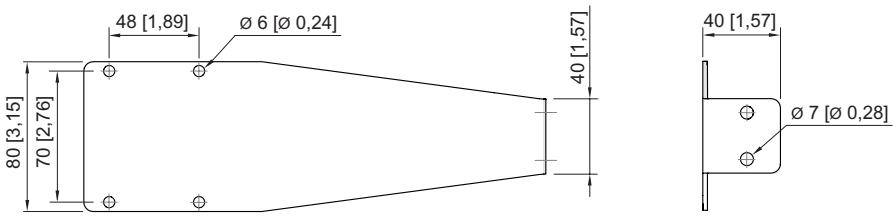
Luminaire with mounting bracket for a thread

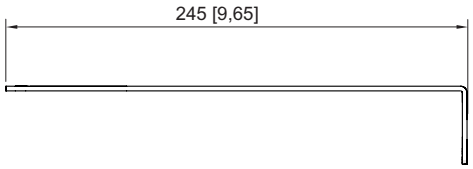




Mounting bracket for a thread

Mounting bracket for surfaces





Mounting plate