Operating instructions

Additional languages r-stahl.com

EN

Linear luminaire with LED

Series EXLUX L402/4

STAHL

EN

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1 General information

1.1 Manufacturer

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1.2 Information regarding the operating instructions

ID no.:	271054 / L40260300040
Publication code:	2025-11-18·BA00·III·en·04

The original instructions are the English edition.
They are legally binding in all legal affairs.

1.3 Further documents

- Data sheet

For documents in other languages, see r-stahl.com.

1.4 Conformity with standards and regulations

For certificates and declaration of conformity, see r-stahl.com.

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2 Explanation of symbols

2.1 Symbols used in these operating instructions

Symbol	Meaning
	Tips and recommendations on the use of the device
	General danger
	Danger due to energised parts

2.2 Warning notes

Warning notes must be observed under all circumstances, in order to minimise the risk resulting from design engineering and operation. The warning notes have the following structure:

- Signalling word: DANGER, WARNING, CAUTION, NOTICE
- Type and source of danger/damage
- Consequences of danger
- Taking countermeasures to avoid the danger or damage

	DANGER Danger to persons Non-compliance with the instruction results in severe or fatal injuries to persons.
	WARNING Danger to persons Non-compliance with the instructions can result in severe or fatal injuries.
	CAUTION Danger to persons Non-compliance with the instruction can result in light injuries to persons.

NOTICE Avoiding material damage Non-compliance with these instructions can result in material damage to the device and/or its surroundings.

2.3 Symbols on the device

Symbol	Meaning
CE 0158	CE marking according to the current applicable directive.

3 Safety notes

3.1 Operating instructions storage

- Carefully read the operating instructions.
- Store the operating instructions at the mounting location of the device.
- Observe applicable documents and operating instructions of the devices to be connected.

3.2 Safe use

Before mounting

- Read and observe the safety notes in these operating instructions!
- Ensure that the contents of these operating instructions are fully understood by the personnel in charge.
- Use the device in accordance with its intended and approved purpose only.
- Always consult R. STAHL Schaltgeräte GmbH if using the device under operating conditions which are not covered by the technical data.
- We cannot be held liable for damage to the device caused by incorrect or unauthorised use or non-compliance with these operating instructions.
- Only use the device in hazardous areas for which it is approved.

For mounting and installation

- Observe national mounting and installation regulations.
- Observe national safety and accident prevention regulations.
- During installation and operation, observe the information (characteristic values and rated operating conditions) on the rating, data and information plates located on the device.
- Before installation, make sure that the device is not damaged.

Maintenance, repair, commissioning

- Before commissioning, make sure that the device is not damaged.
- Work on the device, such as installation, maintenance, overhaul, repair, may only be carried out by appropriately authorised and trained personnel.
- Only perform the maintenance work and repairs described in these operating instructions.

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3.3 Intended use

The luminaire is equipment

- for lighting areas, work spaces and objects
- that can be used indoors and outdoors
- for stationary mounting
- for use in the safe area

3.4 Modifications and alterations

i	No liability or warranty for damage resulting from modifications and alterations.

4 Function and device design

4.1 Function

Application range

- The luminaire L402/4 is equipment used for lighting areas, work equipment and objects. It can be used indoors and outdoors.

Mode of operation

- When opened using a central lock, the luminaire switches off automatically (optional). The operating hours can be determined and the luminaire can be dimmed and switched (optional) via a DALI interface.
- An address module can be used for luminaire control and monitoring with a central battery unit from R. STAHL (optional).

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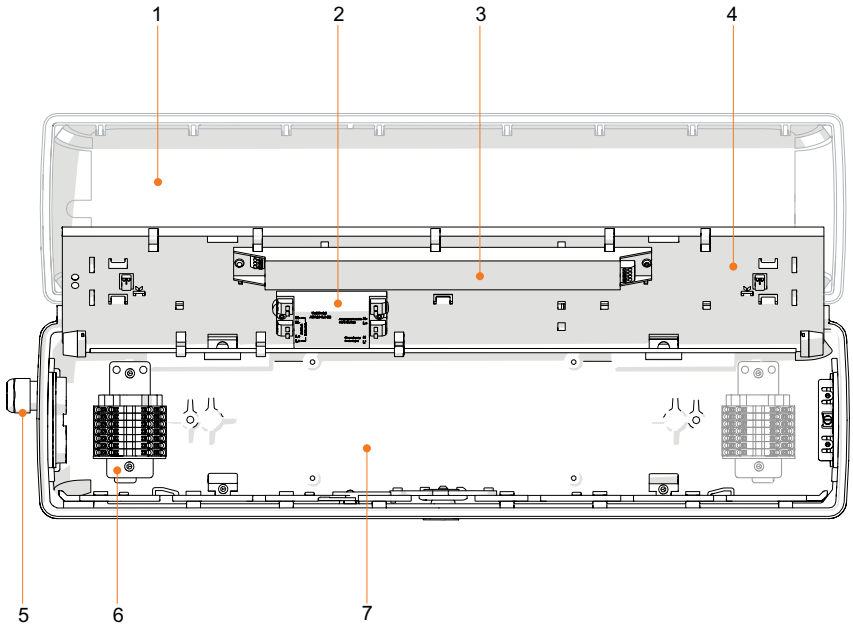
4.2 Device design



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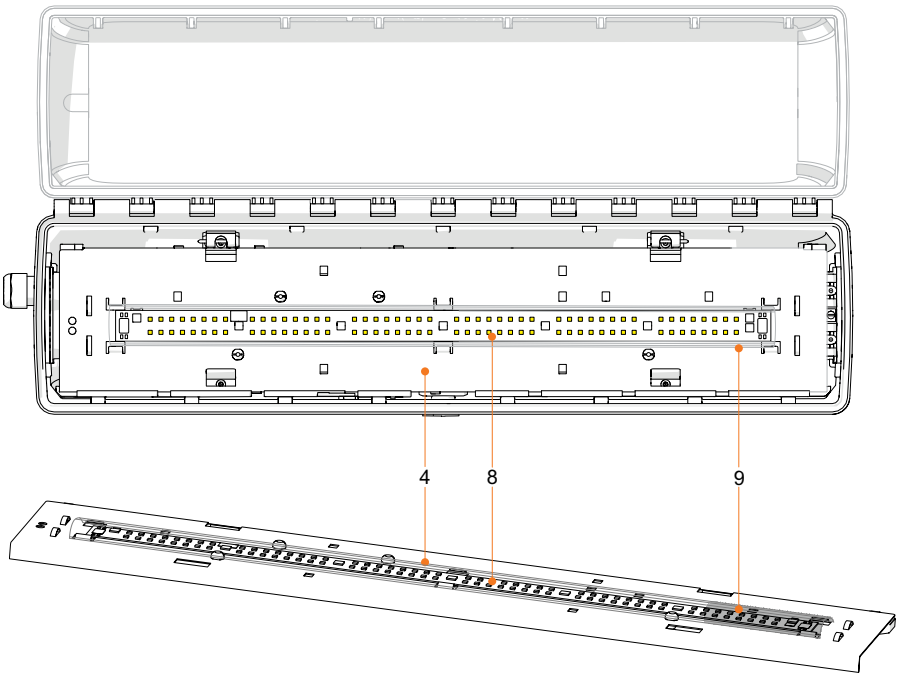
1	Translucent cover	5	Cable entry
2	Address module (optional)	6	Connection terminal
3	Control gear	7	Light fitting enclosure
4	Mounting plate		



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4	Mounting plate	9	Diffuser
8	LED PCB		

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5 Technical data

Technical data

Electrical data

Rated operational voltage

Standard + DALI Size 2, Size 4	with address module Size 2, Size 4	Standard + DALI Size 6
100 to 240 V AC ±10 %, 50 to 60 Hz	110 to 240 V AC ±10 %, 50 to 60 Hz	220 to 240 V AC ±10 %, 50 Hz
110 to 250 V DC ±10 %	110 to 250 V DC ±10 %	194 to 250 V DC ±10 %

Rated operational current

	Size 2	Size 4	Size 6
230 V; 50 Hz	100 mA	190 mA	230 mA
110 V; 60 Hz	170 mA	320 mA	-

Start-up current

I_{peak} = 53.5 A; Δt = 124.8 µs

Maximum number of luminaires per miniature circuit breaker:

Type	10 A	16 A	20 A	25 A
B	12	19	24	30
C	20	32	40	50
K	40	64	80	100

Power factor

	Size 2	Size 4	Size 6
230 V; 50 Hz	≥ 0.83	≥ 0.93	≥ 0.95
110 V; 60 Hz	≥ 0.97	≥ 0.98	-

Protective conductor current

≤ 0,5 mA

THD

	Size 2	Size 4	Size 6
230 V; 50 Hz	< 17%	< 10 %	< 7 %
110 V; 50 Hz	< 8 %	< 9 %	-

Protection class

I (with internal PE connection)

Typical power consumption at 230 V, 50 Hz

	Size 2	Size 4	Size 6
White CCT (4000 K, 5000 K, 2700 K, 4000 K)	18 W	35 W	49 W

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Luminous characteristics

Colour rendering: 2700 K, 4000 K, 5000 K: $R_a \geq 80$
6500 K: $R_a \geq 90$

Colour temperature: Depending on the variant: 2700 K (IDA compatible), 4000 K (warm white), 5000 K (standard light colour, neutral white), 6500 K (daylight white)

Colour temperature / CRI **4000 K / CRI80**

Size	Cover	Internal diffuser	Luminaire luminous flux [lm]	Luminaire efficiency [lm/W]
2	clear	with	2800	152
		without	3120	170
	opaque	with	2310	126
		without	2580	140
4	clear	with	5600	161
		without	6240	180
	opaque	with	4630	133
		without	5160	149
6	clear	with	7690	159
		without	8560	176
	opaque	with	6350	131
		without	7070	146

Colour temperature / CRI **5000 K / CRI80**

Size	Cover	Internal diffuser	Luminaire luminous flux [lm]	Luminaire efficiency [lm/W]
2	clear	with	2890	157
		without	3220	175
	opaque	with	2380	129
		without	2660	145
4	clear	with	5770	168
		without	6430	186
	opaque	with	4760	138
		without	5310	154
6	clear	with	7920	163
		without	8820	182
	opaque	with	6540	135
		without	7280	150

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Colour temperature / CRI **2700 K / CRI80**	Size	Cover	Internal diffuser	Luminaire luminous flux [lm]	Luminaire efficiency [lm/W]
	2	clear	with	2620	142
			without	2920	159
		opaque	with	2160	117
			without	2410	131
	4	clear	with	5240	152
			without	5840	169
		opaque	with	4330	126
			without	4820	140
	6	clear	with	7190	148
			without	8010	165
		opaque	with	5940	122
			without	6620	136

Colour temperature / CRI **6500 K / CRI90**	Size	Cover	Internal diffuser	Luminaire luminous flux [lm]	Luminaire efficiency [lm/W]
	2	clear	with	2700	147
			without	3010	164
		opaque	with	2230	121
			without	2480	135
	4	clear	with	5400	156
			without	6020	173
		opaque	with	4460	129
			without	4970	143
	6	clear	with	7410	153
			without	8250	170
		opaque	with	6120	126
			without	5820	141

PC Yellow - phosphorconverted yellow	Size	Cover	Internal diffuser	Luminaire luminous flux [lm]	Luminaire efficiency [lm/W]
	2	clear	with	1820	114
			without	2020	126
		opaque	with	1500	94
			without	1670	104
	4	clear	with	3630	121
			without	4050	135
		opaque	with	3000	100
			without	3340	112
	6	clear	with	3630	121
			without	4050	135
		opaque	with	3000	100
			without	3340	112

Green - 530 nm

Size	Cover	Internal diffuser	Luminaire luminous flux [lm]	Luminaire efficiency [lm/W]
2	clear	with	1770	114
		without	1970	127
	opaque	with	1460	94
		without	1630	105
4	clear	with	3530	122
		without	3940	136
	opaque	with	2920	101
		without	3250	112
6	clear	with	3530	122
		without	3940	136
	opaque	with	2920	101
		without	3250	112

Red - 625 nm

Size	Cover	Internal diffuser	Luminaire luminous flux [lm]	Luminaire efficiency [lm/W]
2	clear	with	–	–
		without	–	–
	opaque	with	–	–
		without	–	–
4	clear	with	1280	59
		without	1430	66
	opaque	with	1060	49
		without	1180	55
6	clear	with	1280	59
		without	1430	66
	opaque	with	1060	49
		without	1180	55

Blue - 475 nm

Size	Cover	Internal diffuser	Luminaire luminous flux [lm]	Luminaire efficiency [lm/W]
2	clear	with	780	50
		without	860	55
	opaque	with	640	41
		without	710	46
4	clear	with	1550	53
		without	1730	59
	opaque	with	1280	44
		without	1430	49
6	clear	with	1550	53
		without	1730	59
	opaque	with	1280	44
		without	1430	49

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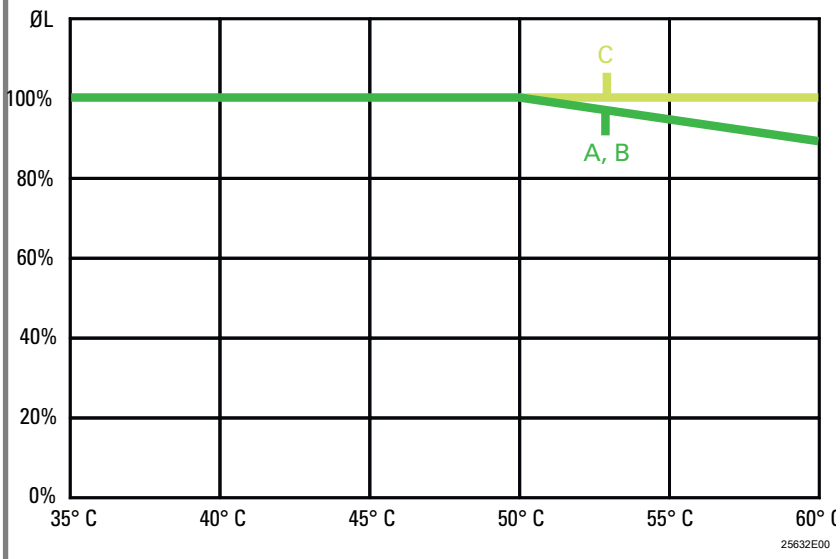
Energy efficiency class of the light source	The device contains a light source in energy efficiency class B (4000 K, 5000 K) or Class C (2700 K, 6500 K). (according to the Energy Labelling Regulation for light sources)
Luminous flux decline	• during DC operation to 95% (standard/with address module) • during DC operation to 50% (DALI) • at ambient temperature (only DALI)



A: size 2
B: size 4
C: size 6

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Ambient conditions

Functional ambient temperature range		**Standard + DALI Size 2, Size 4**	**Standard + DALI Size 6**	**with address module Size 2, Size 4**
	without through-wiring	-40 to +60 °C	-20 to +60 °C	-30 to +50 °C
	I_N through wiring ≤ 10 A	-40 to +60 °C	-20 to +60 °C	-30 to +50 °C
	I_N through wiring ≤ 16 A	-40 to +55 °C	-20 to +55 °C	-30 to +45 °C
Storage temperature	-40 to +75 °C			

Service life

LED

$L_{90}B_{50}$: 100,000 h

L_xB_y
At the end of the service life:
- Luminous flux decline to "x" percent
- Up to "y" percent of all luminaires fall below "x"

LED control gear		**Standard + DALI Size 2, Size 4**	**with address module Size 2, Size 4**	**Standard + DALI Size 6**
	C10 at 50 °C	≥ 100,000 h	≥ 50,000 h	≥ 100,000 h
	C10 at 60 °C	≥ 100,000 h	≥ 50,000 h	≥ 50,000 h

Mechanical data

Degree of protection	Size 2, Size 4: IP66 / IP67 (IEC 60598) Size 6: IP66 (IEC 60598) Size 2, Size 4, Size 6: IP64 if a breather is used
Impact strength (IK Code)	IK10 (IEC 62262)
Material	
Enclosure	Polyester resin, glass fibre-reinforced
Enclosure colours	Colour grey, similar to RAL 7035
Lamp cover	Polycarbonate
Seal	Silicone foam gasket in the lamp cover
Luminaire lock	Central locking which can be opened/closed using a socket key M8 / wrench size 13, hinged lamp cover
Luminaire weight	Size 2: 3.3 kg Size 4: 5.6 kg Size 6: 7.0 kg

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Mounting / Installation

Cable glands

Standard luminaire

Plastic:	2 x M25 x 1.5 cable gland 8161 and 2 x M25 x 1.5 stopping plugs 8290 (enclosed)
Metal:	2 x metal plates M20 x 1.5 connected by means of PE for metal cable entries Attention: cable entries must be ordered separately
Special:	max. 4 bores for M20, M25, NPSM ½'' max. 2 bores for NPT ¾'' Metal cable glands: M20 x 1.5, M25 x 1.5; earthing of the metal cable entries by means of metal plates

Connection

Spring clamp terminals

Standard: 5-pole: L1, L2, L3, N, PE

with address module: 5-pole: L+, N-, PE, L', N'

with DALI: 7-pole: L1, L2, L3, N, PE, DA, DA

Clamping range:

1 x 1.5 to 4 mm^2 (finely stranded)

1 x 1.5 to 6 mm^2 (solid and finely stranded with core end sleeve)

(2 free clamping units per pole available)

Through wiring

Standard luminaire **with**

Luminaries are equipped with internal through wiring.
Connection of ingoing and outgoing leads on opposite sites is possible.
Terminals: See Tech. data
Wiring cross section of the supply line connection:
2.5 mm^2 for max. 16 A
(Observe service temperature)

Optional **without**

On the connection side, there are 2 bores M25 x 1.5 for cable entries for through wiring of the connection line (ingoing and outgoing leads on one side).

Assembly

Standard luminaire

Standard:	2 x M8 insert nuts in the enclosure (brass or stainless steel V4A)
Special:	Mounting grooves in the enclosure for use of fastening and ceiling rails for variable luminaire mounting (variable mounting distances for luminaires Size 2: 320 to 480 mm; Size 4, Size 6: 670 to 930 mm)

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Optional

DALI-connection	DALI interface in accordance with IEC 62386-207:2018-04 The maximum permitted voltage drop on the DALI conductor is defined with a maximum of 2 V. This corresponds to a maximum conductor length of 300 m, with a conductor cross-section of 1.5 mm^2.
Address module	**Control input** Rated voltage: 220 to 230 V 50 Hz AC / DC **Function** Address and switching module for R. STAHL emergency lighting systems according to VDE 0108: The module is used for monitoring individual luminaires and for the control of mains and emergency luminaires. The module offers the following functions: • Control of the luminaire (ON/OFF) and calling up the function • Up to 20 addresses can be configured for each electrical circuit by means of software • The type of connection (continuous light, stand-by light or switched light) of the luminaire is freely programmable • Mixed operation within a circuit is possible
Breather	• Breather 8162/1 from R. STAHL Schaltgeräte GmbH The breather guarantees compliance with degree of protection IP64 in all mounting positions. The breather must not be used in atmospheres with corrosive gases.

For further technical data, see r-stahl.com.

6 Transport and storage

- Transport and store the device only in the original packaging.
- Store the device in a dry place (no condensation) free of vibrations.
- Do not drop the device.

Devices which have been installed and commissioned but are not operated during a period exceeding the maximum storage period (see table below) must be continuously operated form minimum 6 hours every month.

Average storage temperature	Average air humidity	Maximum storage period
≤ 25 °C	≤ 65 % r.h.	9 months
≤ 25 °C	> 65 % r.h.	6 months *
> 25 °C	≤ 65 % r.h.	6 months
> 25 °C	> 65 % r.h.	4 months *

* Storage at air humidity > 90 & r.h. is not permitted

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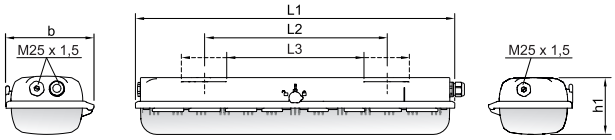
7 Mounting and installation

7.1 Dimensions / fastening dimensions

Dimensional drawings (all dimensions in mm [inch]) – Subject to change



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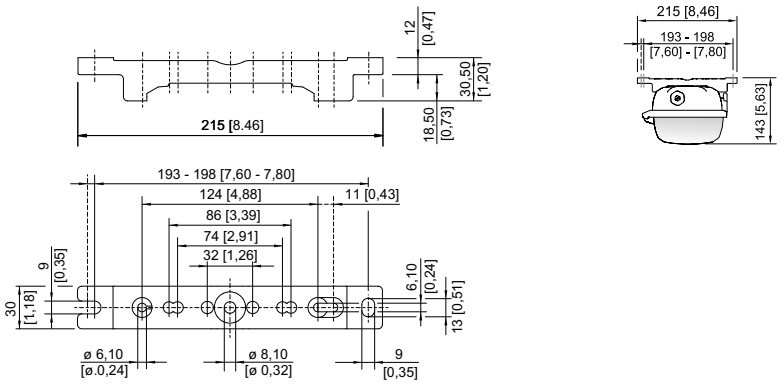
Dimensions	Luminaire		
	Size 2	Size 4	Size 6
L1	700 [27.56]	1310 [51.57]	1610 [63.39]
L2 [1)]	400 [15.75]	800 [31.50]	800 [31.50]
L3 [2)]	320 to 480 [12.60 to 18.90]	670 to 930 [26.38 to 36.61]	670 to 930 [26.38 to 36.61]
b	184 [7.24]	184 [7.24]	184 [7.24]
h1	125 [4.92]	125 [4.92]	125 [4.92]

[1)] fixed mounting distance
[2)] variable mounting distance

EXLUX L402/4 standard luminaire

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



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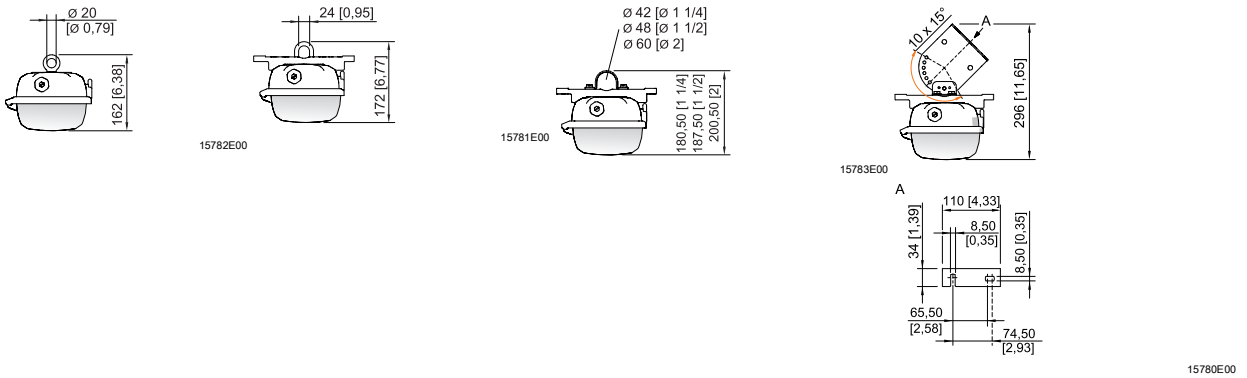
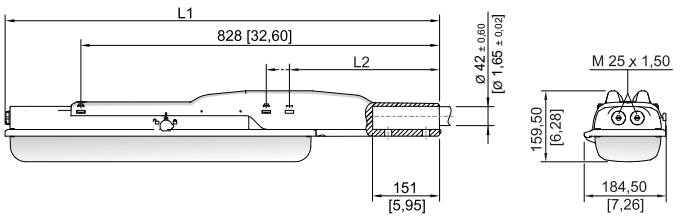
Mounting rail



Ring bolt installed in insert nut of the luminaire	Mounting bracket fitted in mounting rail	Pipe clamp installed in mounting rail	Wall mounting bracket installed in mounting rail

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



Dimensions	Luminaire	
	Size 2	Size 4
L1	978 [38.50]	1587 [62.48]
L2	390 [15.35]	338 [13.31]

Linear luminaire EXLUX with pole mounting sleeve

7.2 Removing protective foil

As standard, the luminaire is generally delivered with protective foil on the translucent cover. However, in some cases, it can be delivered without protective foil.

If protective foil is present:

- Remove the protective foil before commissioning.

7.3 Mounting/dismounting, operating position

i	The luminaire is suitable for wall and ceiling mounting. In event of wall mounting in outdoor areas, avoid installation with central lock at top. The mounting position with light emission upwards is prohibited in outdoor areas.

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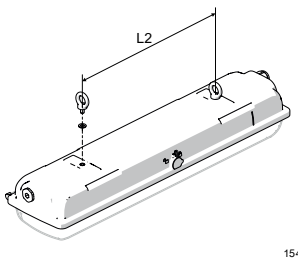
Suspension at fixed mounting points



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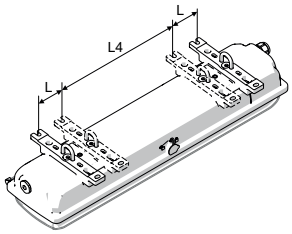
Size	L2 mm [inch]
2	400 [15.75]
4	800 [31.50]
6	800 [31.50]

max. screw-in depth 10 mm [0.39]

Suspension on movable assembly parts



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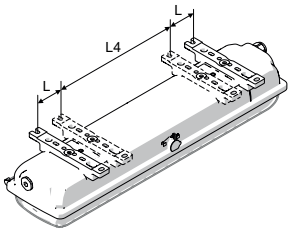

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Mounting bracket Top rail

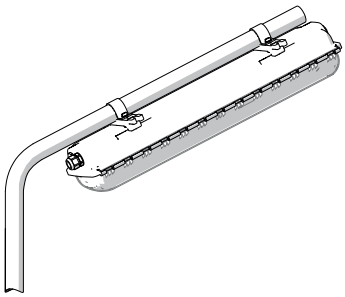
Size	L4 mm [inch]	L mm [inch]
2	320 [12.60]	80 [3.15]
4	670 [26.38]	130 [5.12]
6	670 [26.38]	130 [5.12]

Lateral mounting pockets for variable points of suspension.

i	When mounting the luminaire using top rails, ensure that the mounting surface is flat. Otherwise, the enclosure might be mounted in a warped/twisted way. The result is leakage of the luminaire and difficulties in replacing the translucent cover.

Pole suspension

Pole mounting using pipe clamps



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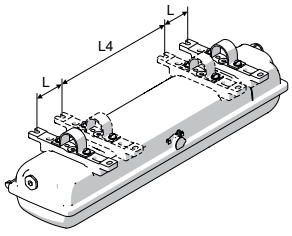

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Size	L4 mm [inch]	L mm [inch]
2	320 [12.60]	80 [3.15]
4	670 [26.38]	130 [5.12]
6	670 [26.38]	130 [5.12]

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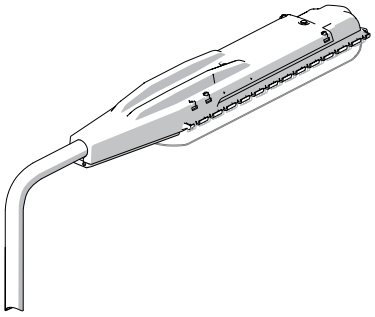
i	For pipe clamp mounting, use the solution from R. STAHL Schaltgeräte GmbH with integrated mounting rail providing reliable and stable four-point fixing! In case of point suspension using pipe clamps, R. STAHL Schaltgeräte GmbH does not guarantee the strength and tightness of the luminaire!

Pole mounting using pole mounting sleeve

i	Only for size 2 and size 4



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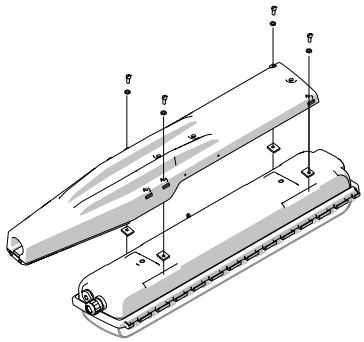

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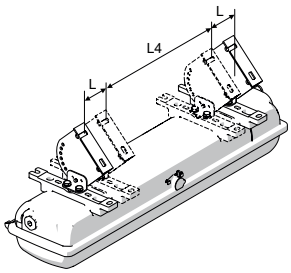
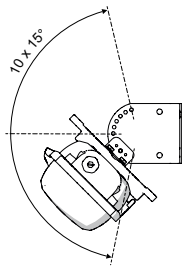
Wall bracket mounting



15515E00



15517E00

Size	L4 mm [inch]	L mm [inch]
2	320 [12.60]	80 [3.15]
4	670 [26.38]	130 [5.12]
6	670 [26.38]	130 [5.12]

EN

7.4 Installation

7.4.1 Opening and closing the enclosure

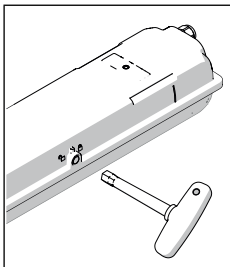
DANGER

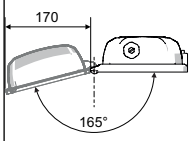
Risk of electric shock due to improper opening!
Non-compliance results in severe or fatal injuries.
- Open luminaires without switches only in de-energised state (see information plate on the lock).

NOTICE

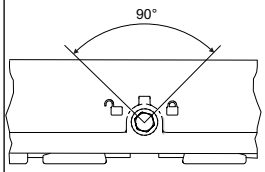
Danger due to electrostatic discharge.
Electronic components can be destroyed if touched.
- Do not touch the LED PCBs.

Recommendation
Open and close the luminaire using the box spanner from R. STAHL Schaltgeräte GmbH.


15448E00



15451E00



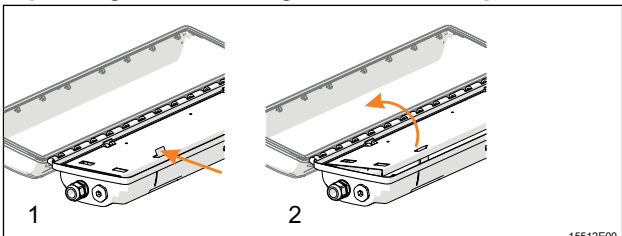
15436E00

- Remove the closing cap of the central lock.
- Turn the central lock using a box spanner M8, spanner size 13, by 90° to the left as far as it will go.
- Swivel down the translucent cover.
- Proceed in reverse order to close.
- The seal of the translucent cover must lie correctly on the sealing edge.
- Push the closing cap onto the central lock opening (protection against dirt).

EN

i	Observe the following during mounting and dismounting: • Version without switch: Disconnect the luminaire from the power supply and secure it against being switched on again. • Do not use force when opening or closing the enclosure! Central lock • Version with switches: The luminaire is positively disconnected from the power supply by actuating the central lock. • In the open end position and with the translucent cover swivelled down, the anti-pumping device prevents the central lock from being actuated.

Opening and closing the reflector plate

	Opening: • Open the reflector plate by pressing down on the safety latch (1). • Swivel down the reflector plate (2). Closing: • Flip up the reflector plate and snap it into place.

7.4.2 Electrical connections

Mains connection

Observe the maximum clamping possibility of the connection terminals (see chapter "Technical data").

Observe the following when connecting to the mains connection:

- Clamping must be carried out precisely!
- Do not clamp any part of the conductor insulation!
- Do not mix up the conductors.
- Observe the technical regulations when connecting the conductor.
- Clamp the conductor firmly.

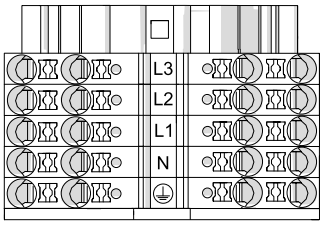
EN

Connection terminals

Clamping range:
1 x 1.5 to 4 mm^2 (finely stranded)
1 x 1.5 to 6 mm^2 (solid and finely stranded with core end sleeve)
(2 free clamping units per pole available)

Stripping length:
10 to 12 mm

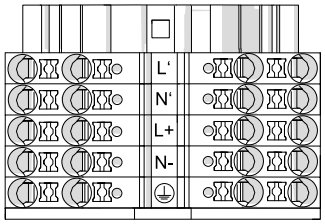
Standard



20219E00

L1, L2, L3 = phase
N = neutral conductor
⏚ = protective conductor

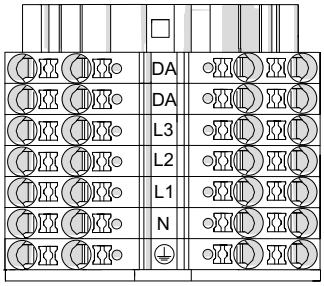
With address module



20220E00

L', N' = control input
L+, N- = final electrical circuit
⏚ = protective conductor

With DALI connection



24460E00

DA, DA = DALI connection
L1, L2, L3 = phase
N = neutral conductor
⏚ = protective conductor

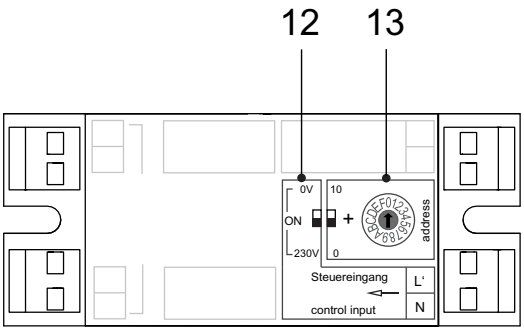
Through wiring of the mains supply connection

i	Through wiring with 2.5 mm^2 cross-section for max. 16 A.

EN

7.4.3 Luminaires with address module

	Before operating an emergency lighting central battery system, luminaire addressing is to be performed by means of a 4 mm slot screwdriver.



18812E00

12 Logic switch
13 Address switch

Address setting - Address switch (13)

Slide switch 0 / 10	Rotary switch 0 / F	Luminaire address
0	0	0 (invalid)
0	1	1
0	2	2
to	to	to
0	9	9
0	A	10
10	0	10
10	1	11
to	to	to
10	9	19
10	A	20
10	B to E	invalid
10	F	addressing via software

EN

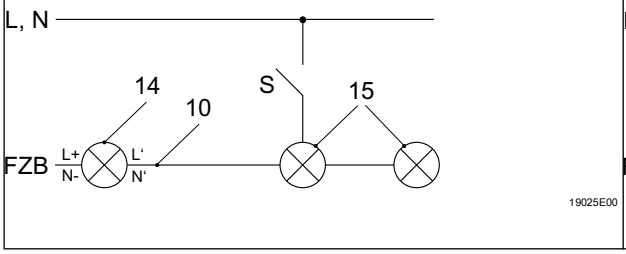
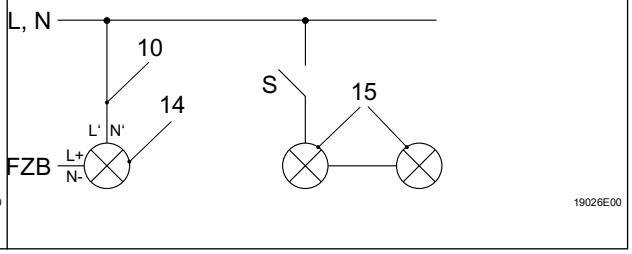
Control input

The address module provides the opportunity to connect a control line for switching the luminaire.

Logic switch (12):

Slide switch 0 V / 230 V	Function
0 V	negative logic
230 V	positive logic

Switching options:

positive logic (230 V)	negative logic (0 V)
switched light to switch on the luminaire together with other luminaires	switched light to switch on the luminaire in case of power failure
	

L, N	Power supply network	10	Control line
FZB	Battery system	14	Emergency lighting
S	General lighting switch	15	General lighting

7.4.4 Cable entries

The standard luminaire is delivered with 3 entries, 2 cable entries and 2 stopping plugs.

Tightening torques for components from R. STAHL Schaltgeräte GmbH

Luminaires with installed cable entries and stopping plugs from R. STAHL Schaltgeräte GmbH must be tightened using the following values:

		Tightening torque	
		Connection thread	Pressure screw
Cable entry 8161	M20 x 1.5	2.3 Nm	1.5 Nm
	M25 x 1.5	3.0 Nm	2.0 Nm
Stopping plug 8290	M20 x 1.5	1.0 Nm	–
	M25 x 1.5	1.5 Nm	–

Luminaires with cable entries and stopping plugs which are not supplied by R. STAHL SchaltgeräteGmbH

Please observe the following:
- the required dust resistance!
- the required type of protection!
- the required temperature resistance!
- the IP degree of protection according to the label on the device!
- the operating instructions of the cable entries and stopping plugs!
- the required tightening torques!
- the range of the permissible cable diameter!

8 Commissioning

NOTICE
Malfunction or device damage caused by condensation! Non-compliance may lead to material damage. • Operate the luminaire continuously or periodically over extended periods of time. • Avoid thermal bridges, use suitable installation accessories.

Before commissioning, ensure the following:
- Check the mounting and installation.
- Check the device for damage.
- If necessary, remove foreign bodies.
- If necessary, clean the connection chamber.
- Check if the conductors have been inserted correctly.
- Check if all screws and nuts have been tightened firmly.
- Check if all drilled holes are closed.
- Check whether all the cable entries and stopping plugs have been tightened firmly.
- Check if all conductors have been clamped firmly.
- Check if the line voltage and the rated operational voltage are consistent.
- Check if the permissible conductor diameter for the corresponding cable entries have been used.
- Check if the device is closed according to regulations.
- If necessary, remove transport protection (foam cushion).
- Monitor whether the LED assembly and the diffuser are clean.
- Check that there is no protective foil on the translucent cover.

After commissioning
- Once commissioned, the device must be continuously operated for minimum 6 hours every month

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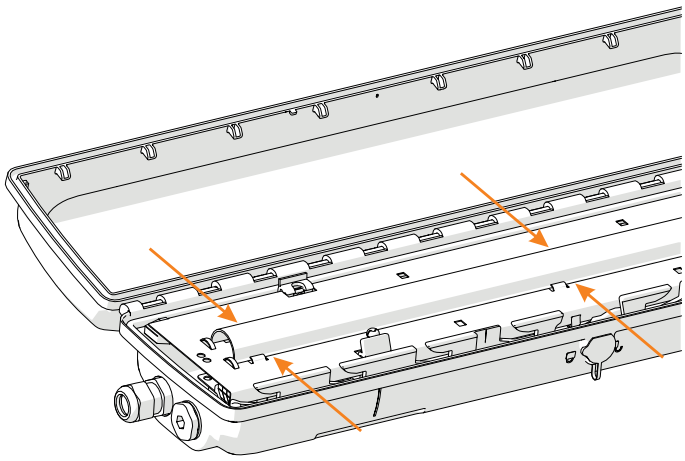
Dismounting the diffuser (optional)

The diffuser can be removed if necessary.



▶ Press together the diffuser at the points of the retaining tabs and remove.

20531E00

9 Maintenance, overhaul, repair

	CAUTION
	Risk of electric shock or malfunction of the device due to unauthorised work! Non-compliance can result in minor injuries. • Switch off the voltage supply before working on the device. • Work performed on the device must only be carried out by authorised and appropriately trained qualified electricians.

9.1 Maintenance and overhaul

- Consult the relevant national regulations to determine the type and extent of inspections.
- Tailor inspection intervals to the operating conditions.

	Observe the relevant national regulations in the country of use.

During maintenance/overhaul of the device, the following points must be checked:

- Whether the clamping screws holding the electrical lines fit securely
- Whether the device has cracks or other visible signs of damage
- Whether the seal shows signs of ageing or damage (completely replace enclosure components with damaged foamed seal)
- Whether the device is clean inside and out
- Whether the cable entry is intact and securely tightened
- Whether the cables and lines show signs of ageing and damage
- Whether the device is used as intended and functions properly

9.2 Repair

Repairs carried out on the mounting plate are not permitted. Replace the mounting plate completely in case of error.

9.3 Returning the device

- Only return or package the devices after consulting R. STAHL.
  Contact the responsible representative from R. STAHL.

R. STAHL's customer service is available to handle returns if repair or service is required.

- Contact customer service personally.

or

- Go to the r-stahl.com website.
- Under "Support" > "RMA" > select "RMA-REQUEST".
- Fill out the form and send it.
  You will automatically receive an RMA form via email. Please print this file off.
- Send the device along with the RMA form in the packaging
  to R. STAHL Schaltgeräte GmbH (refer to chapter 1.1 for the address).

10 Cleaning

- Devices located in hazardous areas may only be cleaned with a damp cloth to avoid electrostatic charge.
- When cleaning with a damp cloth, use water or mild, non-abrasive, non-scratching cleaning agents.
- Do not use abrasive cleaning agents or solvents.

11 Disposal

- Observe national, local and statutory regulations regarding disposal.
- Separate materials for recycling.
- Ensure environmentally friendly disposal of all components according to statutory regulations.

Removal of components at the end of their service life:

- Remove and open luminaires according to the operating instructions.
- Disconnect cables from the LED PCB and control gear.
- Control gear: Loosen the mounting screws and remove the device.
- LED PCB: Push the barbs on the underside together using suitable pliers and remove the PCB upwards.

EN

12 Accessories and spare parts

NOTICE
Malfunction or damage to the device due to the use of non-original components. Non-compliance may lead to material damage! ▶ Use only original accessories and spare parts from R. STAHL Schaltgeräte GmbH (see datasheet).

i	For accessories and spare parts, see the data sheet on our homepage r-stahl.com.

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EU-Konformitätserklärung
EU Declaration of Conformity
Déclaration de Conformité UE

R. STAHL Schaltgeräte GmbH • Am Bahnhof 30 • 74638 Waldenburg, Germany
erklärt in alleiniger Verantwortung / *declares in its sole responsibility / déclare sous sa seule responsabilité*,

dass das Produkt *that the product* *que le produit*	**LED Langfeldleuchte** *LED Linear Luminaire* *LED Luminaire Linéaire*
Typ(en), *type(s), type(s)*	**L402/4.**

mit den Anforderungen der folgenden Richtlinien und Normen übereinstimmt.
is in conformity with the requirements of the following directives and standards.
est conforme aux exigences des directives et des normes suivantes.

Richtlinie(n) / *Directive(s) / Directive(s)*	**Norm(en)** / *Standard(s) / Norme(s)*
2014/35/EU **Niederspannungsrichtlinie** *2014/35/EU* *Low Voltage Directive* *2014/35/UE* *Directive Basse Tension* (OJ L 96, 29.03.2014, p. 357-374)	EN IEC 60598-1:2021+A11:2022 EN IEC 60598-2-22:2022 EN 62471:2008
2014/30/EU **EMV-Richtlinie** *2014/30/EU* *EMC Directive* *2014/30/UE* *Directive CEM* (OJ L 96, 29/03/2014, p. 79–106)	EN IEC 55015:2019+A11:2020 EN 61547:2009 EN 61000-3-2:2014 EN 61000-3-3:2013
2011/65/EU & (EU) 2015/863 RoHS-Richtlinien *2011/65/EU & (EU) 2015/863 RoHS Directives* *2011/65/UE & (UE) 2015/863 Directives RoHS* (OJ L 174, 1/07/2011, p. 88–110 & OJ L 137, 04/06/2015, p. 10-12)	EN IEC 63000:2018
2009/125/EG **Ökodesign-Richtlinie** *2009/125/EC* *Ecodesign Directive* *2009/125/CE* *Directive d'écoconception* (OJ L 285, 31/10/2009, p. 10–35)	EU 2019/2020 EU 2021/341

Unterzeichnet für und im Namen von: / *signed for and on behalf of: / signé pour et au nom de:*

R. STAHL Schaltgeräte GmbH

Waldenburg, 2026-01-29

Ort und Datum
Place and date
Lieu et date

Signed by:
D9C934BBE47F4A6...

Steffen Holtz
Leiter Entwicklung Leuchten und Signalgeräte
Director R&D Lighting and Signalling
Directeur R&D Eclairage & Appareils de signalisation

Signiert von:
E499DCFA96534BB...

Daniel Groth
Leiter Qualitätsmanagement Systeme
Director Quality Management Systems
Directeur Systèmes de Management de la Qualité