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FSU references at
notlicht.at

OPTICAL ESCAPE ROUTING

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FSU PROJECT GUIDE

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THE SIREN
SOUNDS, THE
LIGHT GOES OUT
AND ONE THING
IS CLEAR:

YOU NEED TO
GET OUT. AS FAST
AS POSSIBLE!



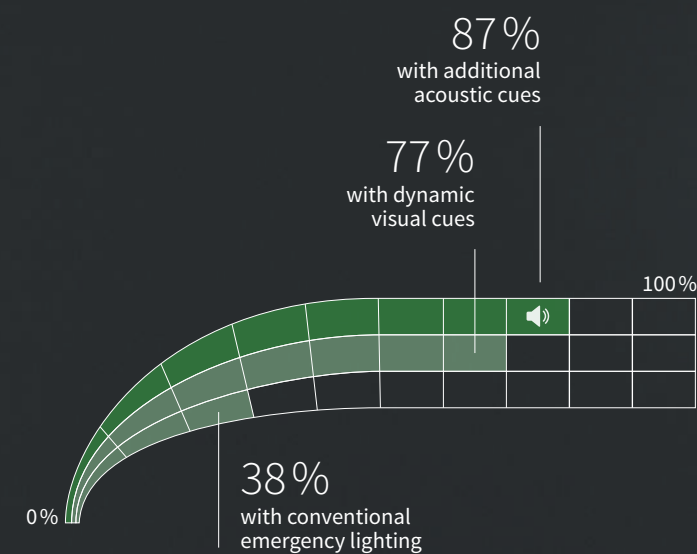
SECURITY AT STATE OF THE ART OF TECHNOLOGY AND RESEARCH

The state of the art is ahead of the currently applicable standards - proven by the latest studies: Escape route scenarios switching is not just sensible, but also life-saving.

Effectiveness of different emergency lighting systems

As part of an EU project, a new type of dynamic system was tested because in an emergency only 38% of people can find their way out with conventional emergency lighting. A dynamic flashing arrow was added to the previously static emergency sign. As soon as the alarm was triggered, 77% of the people could see the sign and then followed the arrow to the correct exit. The research showed that an additional voice-assisted emergency system increases the efficiency to 87%.

Source: Fire Safety Journal 91 (2017)



30% faster escape

How do people behave in emergency situations?

Due to the steady growth of the population crowd "dynamics" is playing an increasingly important role. It deals with the behaviour analysis of a large number of people in buildings.

We have worked with the company accurate to carry out an analysis about the flow of people at our site in Vienna.



The results of the analysis prove: 30% faster escape with FSU luminaires. fsu.notlicht.at



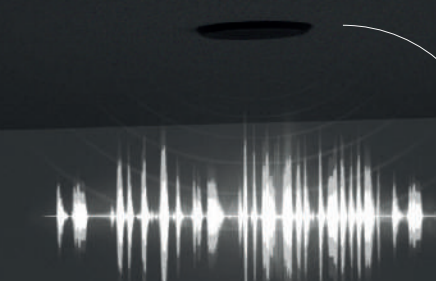
THE NEW EMERGENCY LIGHTING

More senses. More scenarios. Safety at the cutting edge of technology and research.

The FSU portfolio (Escape Route Scenario Switching) extends the spectrum of classic emergency lighting components and ranges from simple, ground-level systems to highly dynamic escape route guidance systems, which are also acoustically supported.

Authorities, fire protection experts, planners and the current state of science are unanimous: escape route guidance systems, that appeal to more senses and cover additional emergency scenarios, make a decisive contribution to increasing safety of people in buildings.

FSU is therefore not only the future, but rather THE NEW EMERGENCY LIGHTING.



MORE SENSES.

The FSU audio system is a technically „easy-to-implement“ acoustic support to increase the safety of your escape route guidance system.

Loudspeakers also enable the announcement of alternative escape routes for people with impaired mobility or visually impaired persons.



Listen to the FSU Audio Announcement and have created your individual loudspeaker announcement fsu-audio.notlicht.at



MORE SCENARIOS.

In addition to the emergency lighting requirements of power failure and fire, there are numerous other emergency scenarios such as bomb threats, accidents involving the release of hazardous substances, terrorist attacks or rampages.

The FSU is a **cost-efficient system technical measure** to ensure the legally defined protection target for all scenarios.

FSU creates multi-purpose uses at no extra cost to technically implement building extensions and planned escape route closures (deliveries, seasonally closed parts of buildings conversions).



More about Escape route Scenarios fsu.notlicht.at

STRING 2 temporarily visible



FSU STRING 2 temporarily visible
Wall recessed mounting 90° two-sided, size 2
Item no. (illustration):
9073 xx 2322 STRING 2 Size 2-2 Laser Picto DE

Ceiling mounting / 90° wall mounting

Housing: Polycarbonate, flame-retardant, white, RAL 9003, UV-stabilised
Panel: PC/PMMA with internal lens light control
Protection class: □ (230V), ◇ (PLC24)
Protection type: IP 40
Temperature range: -15 °C to +40 °C



Luminaires for recessed mounting

- 9073 xx 2311 STRING 2 Size 2-1 Laser Picto DE one-sided
- 9073 xx 2322 STRING 2 Size 2-2 Laser Picto DE two-sided
- 9073 xx 2411 STRING 2 Size 3-1 Laser Picto DE one-sided
- 9073 xx 2422 STRING 2 Size 3-2 Laser Picto DE two-sided

Luminaires for surface mounting

- 9073 xx 2301 STRING 2 Size 2-1 Laser Picto DA one-sided
- 9073 xx 2302 STRING 2 Size 2-2 Laser Picto DA two-sided
- 9073 xx 2401 STRING 2 Size 3-1 Laser Picto DA one-sided
- 9073 xx 2402 STRING 2 Size 3-2 Laser Picto DA two-sided

Accessories

- 9069 00 0002 STRING 2 Exposed concrete casting box Size 2
- 9069 00 0003 STRING 2 Exposed concrete casting box Size 3
- 9069 000 009 STRING 2 Rope suspension set 1,5m
- 9069 00 0010 STRING 2 Rope suspension set 4,0m
- 9069 00 0015 STRING 2 Rope suspension mounting set, short
- 9069 00 0011 STRING 2 Rope suspension adjustment set

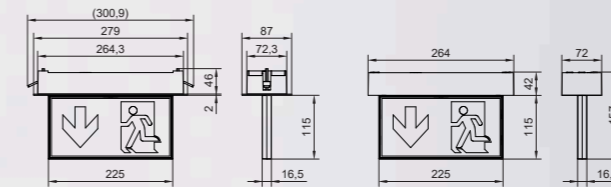
FSU STRING 2 temporarily visible

20m viewing distance

Luminaire states:



Dimensional drawings* [mm]:



Size 2 DE - Recessed mounting
Cut-out: 266 x 74 mm
Material thickness: 1-30 mm
Recessed depth: >50 mm

Size 2 DA - Surface mounting



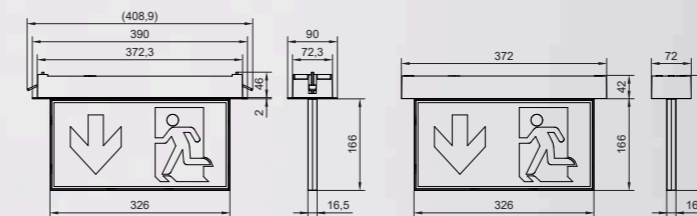
FSU STRING 2 temporarily visible

30m viewing distance

Luminaire states:



Dimensional drawings* [mm]:



Size 3 DE - Recessed mounting
Cut-out: 374 x 74 mm
Material thickness: 1-30 mm
Recessed depth: >50 mm

Size 3 DA - Surface mounting



* In the case of 90° wall mounting, the dimensions of the respective dimensional drawing apply, but rotated by 90°.

STRING 2 temporarily visible



FSU STRING 2 temporarily visible
Parallel wall construction, size 3
Item no. (illustration):
9073 xx 2201 STRING 2 Size 3 Laser Picto WAP

WAP Parallel wall mounting

Housing: Polycarbonate, flame-retardant, white, RAL 9003, UV-stabilised
Panel: PC/PMMA with internal lens light control
Protection class: □ (230V), ◇ (PLC24)
Protection type: IP 20
Temperature range: -15 °C to +40 °C



Luminaires for surface or semi-recessed mounting

9073 xx 2101 STRING 2 Size 2 Laser Picto WAP
9073 xx 2201 STRING 2 Size 3 Laser Picto WAP

Accessories

9069 00 0006 STRING 2 WAP Surface-mounting, spacer set



LASER PICTO LUMINAIRES

The clear pictogram panel of the din product series FSU with temporarily visible panel is equipped with a light-conducting symbol engraving in compliance with ISO 7010. When switched on, this complies with the required colour index and contrast values of the EN standard and is only visible as an emergency sign. Standard-compliant maintenance is an alignment component of temporary visible emergency sign luminaires to ensure proper functioning.

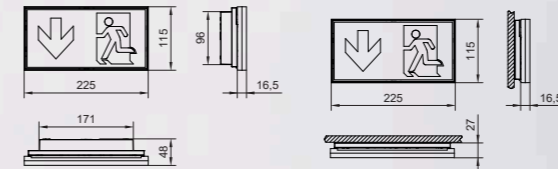
FSU STRING 2 WAP temporarily visible

20m viewing distance

Luminaire states:



Dimensional drawings* [mm]:



Size 2 Surface wall mounting

Size 2 Wall semi-recessed mounting
Cut-out: 173 x 97 mm



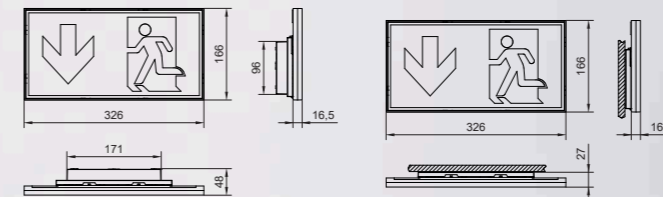
FSU STRING 2 WAP temporarily visible

30m viewing distance

Luminaire states:



Dimensional drawings* [mm]:



Size 3 Surface wall mounting

Size 3 Wall semi-recessed mounting
Cut-out: 173 x 97 mm





FSU INDUSTRY temporarily visible
Suspended mounting one-sided, E40-1

Item no. (illustration):
9066 xx 2111 INDUSTRY E40-1 Laser picto
9066 00 0040 INDUSTRY E20/E40-1 Mounting bracket SK one-sided

Ceiling mounting / parallel wall mounting / 90° wall mounting

Housing: Stainless steel V4A, glass beaded
Panel: ESG glass
Protection class: ⚡ (230 V) ⚡ (PLC24)
Protection type: IP 66
Temperature range: -15 °C to +40 °C



Luminaires for surface mounting

9066 xx 2101 INDUSTRY E20-1 Laser Picto one-sided
9066 xx 2111 INDUSTRY E40-1 Laser Picto one-sided

Accessories for one-sided version

9066 00 0010 INDUSTRY E20/E40-1 Mounting bracket W parallel
9066 00 0020 INDUSTRY E20/E40-1 Mounting bracket W90D direct
9066 00 0030 INDUSTRY E20/E40-1 Mounting bracket W90D detached
9066 00 0040 INDUSTRY E20/E40-1 Mounting bracket one-sided

Accessories for two-sided version

9066 00 0050 INDUSTRY E20/E40-2 Bracket W90D direct
9066 00 0060 INDUSTRY E20/E40-2 Bracket W90D detached
9066 00 0070 INDUSTRY E20/E40-2 Bracket SK two-sided

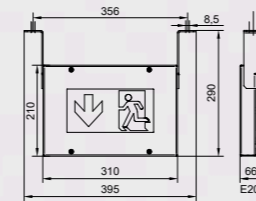
FSU INDUSTRY temporarily visible

20m viewing distance

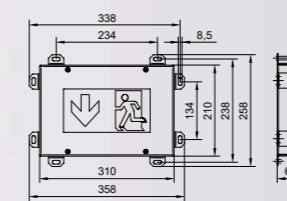
Luminaire states:



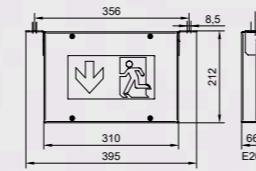
Dimensional drawings* [mm]:



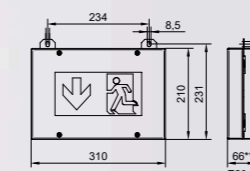
E20-1/E20-2 Detached ceiling mounting (W90D detached)



E20-1 Wall mounting (W parallel)
Representation of all possible mounting points



E20-1/E20-2 Direct ceiling mounting (W90D detached)



E20-1/E20-2 Suspended mounting (SK one-sided, SK two-sided)



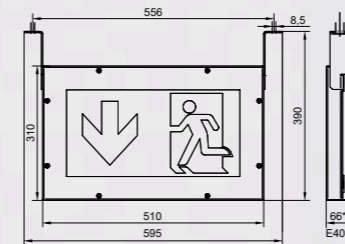
FSU INDUSTRY temporarily visible

40m viewing distance

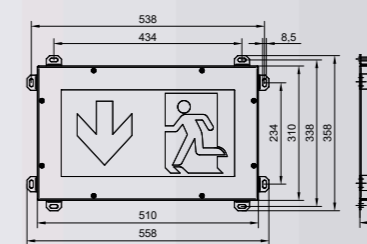
Luminaire states:



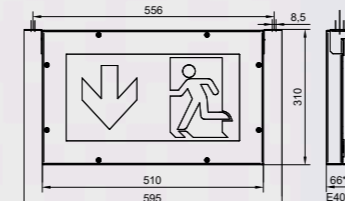
Dimensional drawings* [mm]:



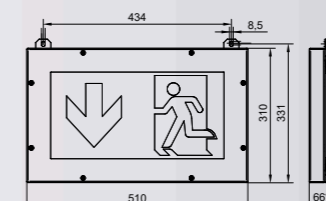
E40-1/E40-2 Detached ceiling mounting (W90D detached)



E40-1 Wall mounting (W parallel)
Representation of all possible mounting points



E40-1/E40-2 Direct ceiling mounting (W90D detached)



E40-1/E40-2 Suspended mounting (SK one-sided, SK two-sided)



* In the case of 90° wall mounting, the dimensions of the respective dimensional drawing apply, but rotated by 90°.
** Two luminaires are required for two-sided mounting E20-2/E 40-2. Dimension thus 132 mm.

STRING 2 with blocking function



FSU STRING 2 with blocking function
Ceiling surface mounting, one-sided, size 3

Item no. (illustration):
9073 xx 1401 STRING 2 Size 3-1 X-Picto DA

Ceiling mounting / 90° wall mounting

Housing: Polycarbonate, flame-retardant, white, RAL 9003, UV-stabilised
 Panel: PC / PMMA with internal lens light control
 Protection class: □ (230V), ◇ (PLC24)
 Protection type: IP 40
 Temperature range: -15 °C to +40 °C



Luminaires for recessed mounting

9073 xx 1311 STRING 2 Size 2-1 X-Picto DE one-sided
 9073 xx 1411 STRING 2 Size 3-1 X-Picto DE one-sided

Luminaires for surface mounting

9073 xx 1301 STRING 2 Size 2-1 X-Picto DA one-sided
 9073 xx 1401 STRING 2 Size 3-1 X-Picto DA one-sided

Accessories

9069 00 0002 STRING 2 Exposed concrete casting box Size 2
 9069 00 0003 STRING 2 Exposed concrete casting box Size 3
 9073 00 0001 STRING 2 FSU X-Pi, L-arrow, size 2 short rope
 9073 00 0002 STRING 2 FSU X-Pi, L-arrow, size 2 rope 1.5m
 9073 00 0007 STRING 2 FSU X-Pi, L-arrow, size 3 short rope
 9073 00 0008 STRING 2 FSU X-Pi, L-arrow, size 3 rope 1.5m
 9069 00 0011 STRING 2 Rope suspension adjustment set

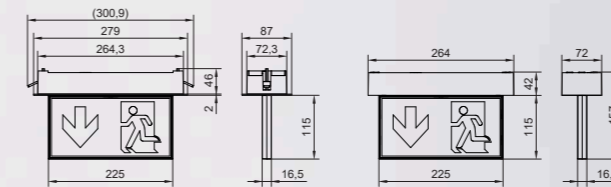
FSU STRING 2 with blocking function

20m viewing distance

Luminaire states:



Dimensional drawings* [mm]:



Size 2 DE - Recessed mounting
 Cut-out: 266 x 74 mm
 Material thickness: 1-30 mm
 Recessed depth: >50 mm

Size 2 DA - Surface mounting



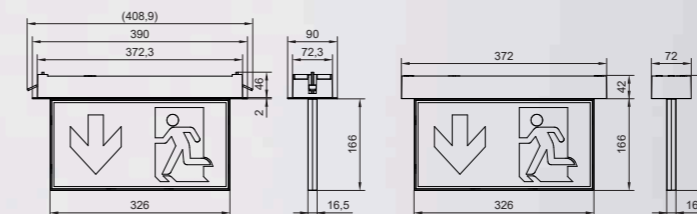
FSU STRING 2 with blocking function

30m viewing distance

Luminaire states:



Dimensional drawings* [mm]:



Size 3 DE - Recessed mounting
 Cut-out: 374 x 74 mm
 Material thickness: 1-30 mm
 Recessed depth: >50 mm

Size 3 DA - Surface mounting



* In the case of 90° wall mounting, the dimensions of the respective dimensional drawing apply, but rotated by 90°.

STRING 2 with blocking function



FSU STRING 2 with blocking function
Parallel wall semi-recessed mounting, size 2
Item no. (illustration):
9073 xx 1101 STRING 2 Size 2 X-Picto WAP

WAP Wall mounting parallel

Housing: Polycarbonate, flame-retardant, white, RAL 9003, UV-stabilised
Panel: PC/PMMA with internal lens light control
Protection class: □ (230V), ◇ (PLC24)
Protection type: IP 20
Temperature range: -15 °C to +40 °C



Luminaires for surface or semi-recessed mounting

9073 xx 1101 STRING 2 Size 2 X-Picto WAP
9073 xx 1201 STRING 2 Size 3 X-Picto WAP

Accessories

9069 00 0006 STRING 2 WAP Surface-mounting, spacer set

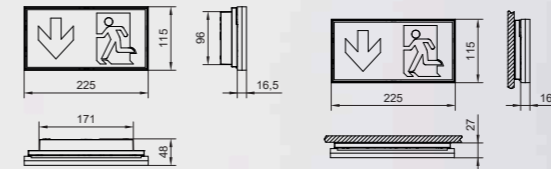
FSU STRING 2 WAP with blocking function

20m viewing distance

Luminaire states:



Dimensional drawings* [mm]:



Size 2 Surface wall mounting

Size 2 Wall semi-recessed mounting
Cut-out: 173 x 97 mm



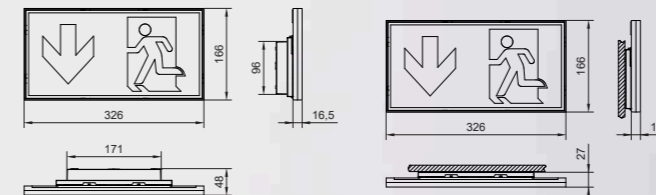
FSU STRING 2 WAP with blocking function

30m viewing distance

Luminaire states:



Dimensional drawings* [mm]:



Size 3 Surface wall mounting

Size 3 Wall semi-recessed mounting
Cut-out: 173 x 97 mm

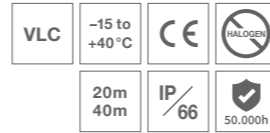




FSU INDUSTRY with blocking function
Direct ceiling mounting one-sided, E40-1
Item no. (illustration):
9066 xx 1111 INDUSTRY E40-1 X-Picto
9066 00 0020 INDUSTRY E20/E40-1 Mounting bracket W90D direct

Ceiling mounting / parallel wall mounting / 90° wall mounting

Housing: Stainless steel V4A, glass beaded
Panel: ESG glass
Protection class: ⚡ (230 V) ⚡ (PLC24)
Protection type: IP 66
Temperature range: -15 °C to +40 °C



Luminaires for surface mounting

9066 xx 1101 INDUSTRY E20-1 X-Picto one-sided
9066 xx 1111 INDUSTRY E40-1 X-Picto one-sided

Accessories for one-sided version

9066 00 0010 INDUSTRY E20/E40-1 Mounting bracket W parallel
9066 00 0020 INDUSTRY E20/E40-1 Mounting bracket W90D direct
9066 00 0030 INDUSTRY E20/E40-1 Mounting bracket W90D detached
9066 00 0040 INDUSTRY E20/E40-1 Mounting bracket SK one-sided

Accessories for two-sided version

9066 00 0050 INDUSTRY E20/E40-2 Mounting bracket W90D direct
9066 00 0060 INDUSTRY E20/E40-2 Mounting bracket W90D detached
9066 00 0070 INDUSTRY E20/E40-2 Mounting bracket SK two-sided

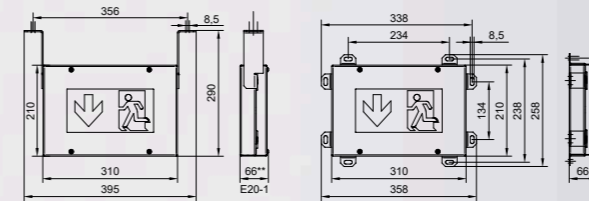
FSU INDUSTRY with blocking function

20m viewing distance

Luminaire states:

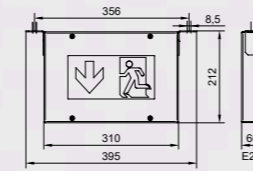


Dimensional drawings* [mm]:



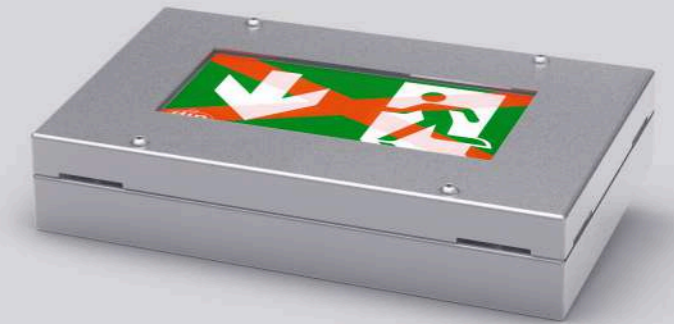
E20-1/E20-2 Detached ceiling mounting (W90D detached)

E20-1 Wall mounting (W parallel)
Representation of all possible mounting points



E20-1/E20-2 Direct ceiling mounting (W90D detached)

E20-1/E20-2 Suspended mounting (SK one-sided, SK two-sided)



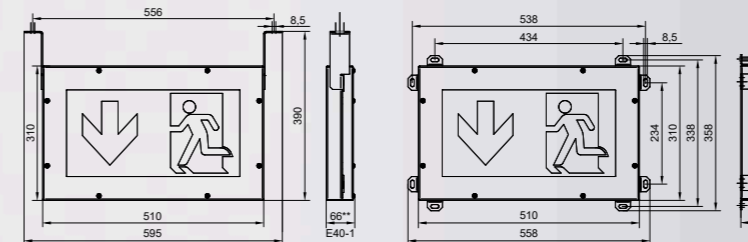
FSU INDUSTRY with blocking function

40m viewing distance

Luminaire states:

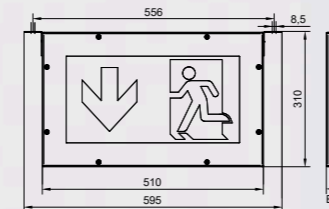


Dimensional drawings* [mm]:



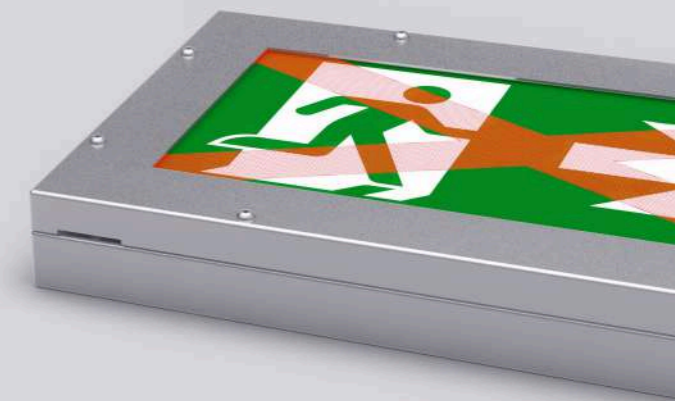
E40-1/E40-2 Detached ceiling mounting (W90D detached)

E40-1 Wall mounting (W parallel)
Representation of all possible mounting points



E40-1/E40-2 Direct ceiling mounting (W90D detached)

E40-1/E40-2 Suspended mounting (SK one-sided, SK two-sided)



* In the case of 90° wall mounting, the dimensions of the respective dimensional drawing apply, but rotated by 90°.
** Two luminaires are required for two-sided mounting E20-2/E 40-2. Dimension thus 132 mm.

STRING 2 with changeable direction indication



FSU STRING 2 with changeable direction indication
Ceiling surface mounting, two-sided, 3 pcs.

Item no. (illustration):
9073 19 5302 STRING 2 3 pcs. 2 Laser Picto DA two-sided

Ceiling mounting / 90° wall mounting

Housing: Polycarbonate, flame-retardant, white, RAL 9003, UV-stabilised
Panel: PC / PMMA with internal lens light control
Protection class: □ (230V), ◇ (PLC24)
Protection type: IP 40
Temperature range: -15 °C to +40 °C



Luminaires for recessed mounting

9073 xx 3311 STRING 2 Size 2-1 Laser Arrow DE one-sided
9073 xx 3322 STRING 2 Size 2-2 Laser Arrow DE two-sided
9073 19 5311 STRING 2 3 pcs. 1 Laser Picto DE one-sided
9073 19 5322 STRING 2 3 pcs. 2 Laser Picto DE two-sided

Luminaires for surface mounting

9073 xx 3301 STRING 2 Size 2-1 Laser Arrow DA one-sided
9073 xx 3302 STRING 2 Size 2-2 Laser Arrow DA two-sided
9073 19 5301 STRING 2 3 pcs. 1 Laser Picto DA one-sided
9073 19 5302 STRING 2 3 pcs. 2 Laser Picto DA two-sided

Accessories

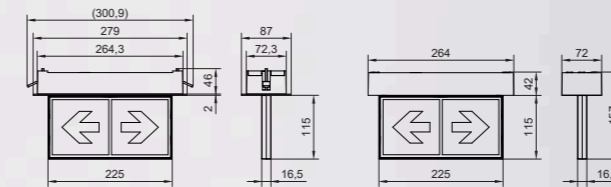
9069 00 0002 STRING 2 Exposed concrete casting box Size 2
9069 00 0003 STRING 2 Exposed concrete casting box Size 3 and 3 pcs. luminaires
9073 00 0001 STRING 2 FSU X-Pi, L-arrow, size 2 short rope
9073 00 0002 STRING 2 FSU X-Pi, L-arrow, size 2 rope 1,5m
9073 00 0003 STRING 2 FSU Laser Picto, 3 pcs. short rope
9073 00 0004 STRING 2 FSU Laser Picto, 3 pcs. rope 1.5m
9069 00 0011 STRING 2 Rope suspension adjustment set

FSU STRING 2 temporarily visible
switchable, 20m viewing distance

Luminaire states:



Dimensional drawings* [mm]:



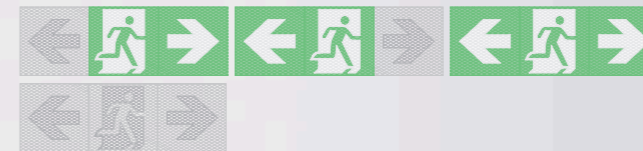
Size 2 DE - Recessed mounting
Cut-out: 266 x 74 mm
Material thickness: 1-30 mm
Recessed depth: >50 mm

Size 2 DA - Surface mounting

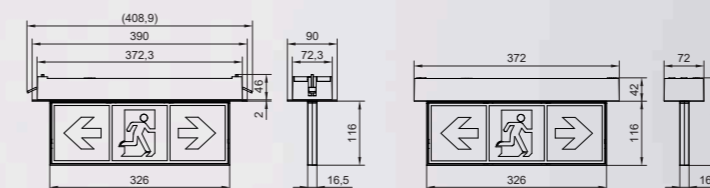


FSU STRING 2 temporarily visible
switchable 3 pcs., 20m viewing distance

Luminaire states:



Dimensional drawings* [mm]:



3 pcs. DE - Recessed mounting
Ceiling cut-out: 374 x 74 mm
Ceiling thickness: 1-30 mm
Recessed depth: >50 mm

3 pcs. DA - Surface mounting



* In the case of 90° wall mounting, the dimensions of the respective dimensional drawing apply, but rotated by 90°.

STRING 2 with changeable direction indication



FSU STRING 2 with changeable direction indication
Ceiling recessed mounting one-sided, 3 pcs.

Item no. (illustration):
9073 19 4311 STRING 2 3 pcs.-1 X-Picto one-sided

Ceiling mounting / 90° wall mounting

Housing: Polycarbonate, flame-retardant, white, RAL 9003, UV-stabilised
 Panel: PC / PMMA with internal lens light control
 Protection class: ⬢ (PLC24)
 Protection type: IP 40
 Temperature range: -15°C to +40°C



Luminaire for recessed mounting

9073 19 4311 STRING 2 3 pcs. 1 X-Picto one-sided

Luminaire for surface mounting

9073 19 4301 STRING 2 3 pcs. 1 X-Picto DA one-sided

Accessories

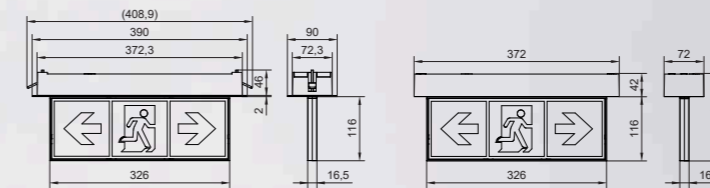
9069 00 0003 STRING 2 Exposed concrete casting box Size 3 and 3 pcs. luminaires
 9073 00 0005 STRING 2 FSU X-Picto, 3 pcs. short rope
 9073 00 0006 STRING 2 FSU X-Picto, 3 pcs. rope 1,5m
 9069 00 0011 STRING 2 Rope suspension adjustment set

FSU STRING 2 with blocking function
switchable, 20m viewing distance

Luminaire states:



Dimensional drawings* [mm]:



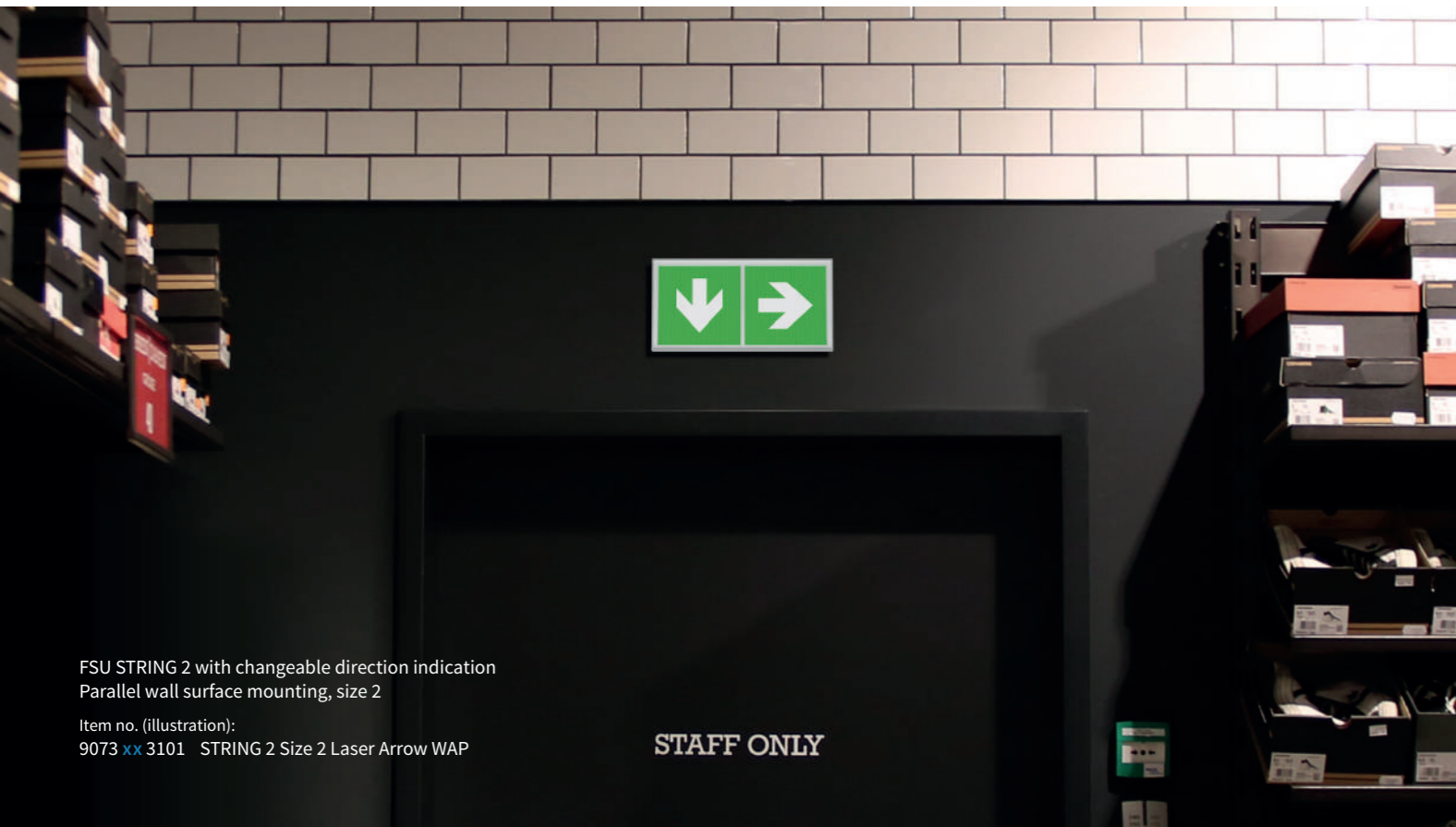
3 pcs. DE - Recessed mounting
 Ceiling cut-out: 374 x 74 mm
 Ceiling thickness: 1-30 mm
 Recessed depth: >50 mm

3 pcs. DA - Surface mounting



* In the case of 90° wall mounting, the dimensions of the respective dimensional drawing apply, but rotated by 90°.

STRING 2 with changeable direction indication



FSU STRING 2 with changeable direction indication
Parallel wall surface mounting, size 2

Item no. (illustration):
9073 xx 3101 STRING 2 Size 2 Laser Arrow WAP

WAP Parallel wall mounting

Housing: Polycarbonate, flame-retardant, white, RAL 9003, UV-stabilised
 Panel: PC / PMMA with internal lens light control
 Protection class: □ (230V), ◇ (PLC24)
 Protection type: IP 20
 Temperature range: -15 °C to +40 °C



Luminaires for surface or semi-recessed mounting

9073 xx 3101 STRING 2 Size 2 Laser Arrow WAP
 9073 19 5101 STRING 2 3 pcs. 1 Laser Picto WAP

Accessories

9069 00 0006 STRING 2 WAP Surface-mounting, spacer set



LASER ARROW LUMINAIRES

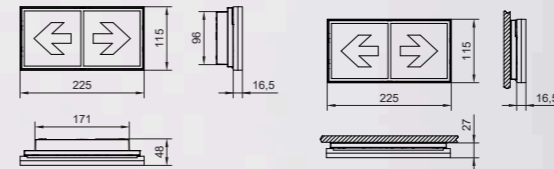
According to ISO 7010, licensing is not permitted for the display of the arrow alone. Therefore, **coordination with local authorities** is recommended when using laser arrow luminaires. Your din contact person will be happy to assist you in clarifying the project.

FSU STRING 2 WAP temporarily visible
switchable, 20 m viewing distance

Luminaire states:



Dimensional drawings* [mm]:



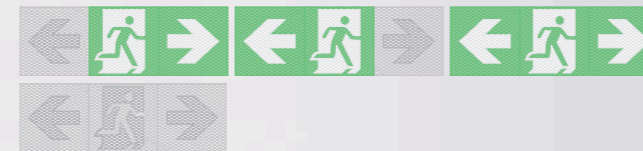
Size 2 Surface wall mounting

Size 2 Wall semi-recessed mounting
Cut-out: 173 x 97 mm

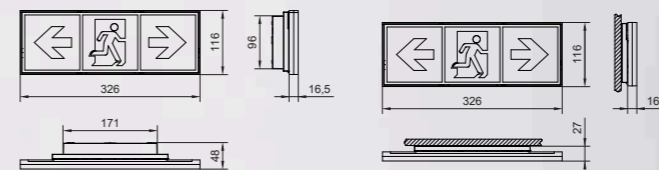


FSU STRING 2 WAP temporarily visible
switchable 3 pcs., 20 m viewing distance

Luminaire states:



Dimensional drawings* [mm]:

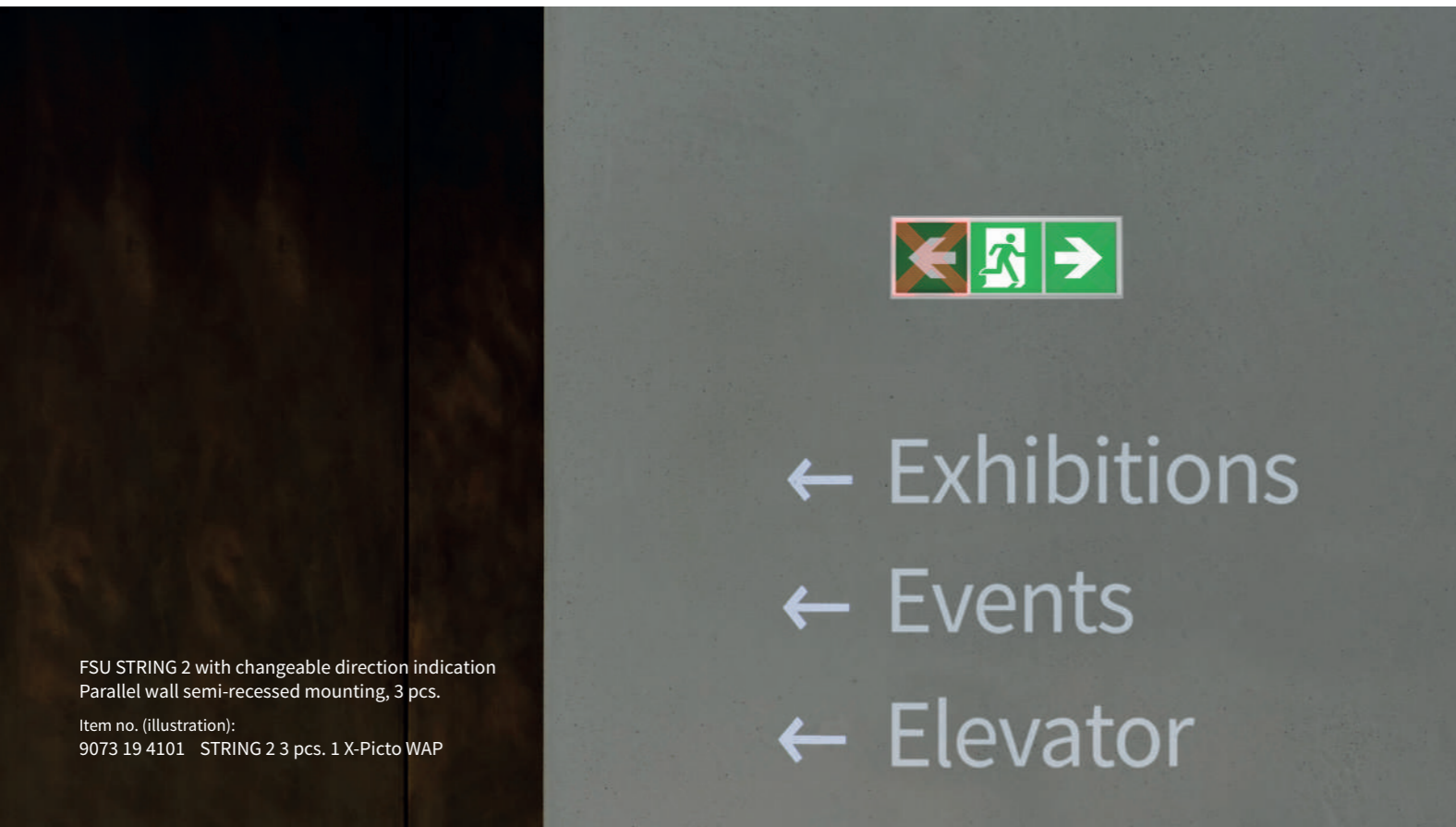


3 pcs. Surface wall mounting

3 pcs. Semi-recessed wall mounting
Cut-out: 173 x 97 mm



STRING 2 with changeable direction indication



FSU STRING 2 with changeable direction indication
Parallel wall semi-recessed mounting, 3 pcs.

Item no. (illustration):
9073 19 4101 STRING 2 3 pcs. 1 X-Picto WAP

WAP Parallel wall mounting

Housing: Polycarbonate, flame-retardant, white, RAL 9003, UV-stabilised
 Panel: PC / PMMA with internal lens light control
 Protection class: ⬠ (PLC24)
 Protection type: IP 20
 Temperature range: -15 °C to +40 °C



Luminaire for surface or semi-recessed mounting

9073 19 4101 STRING 2 3 pcs.-1 X-Picto WAP

Accessories

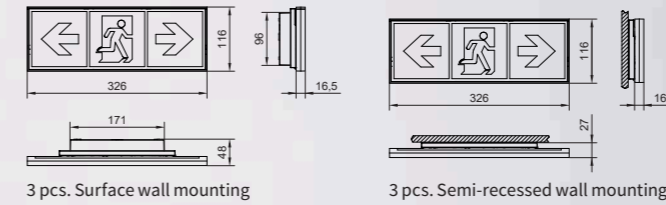
9069 00 0006 STRING 2 WAP Surface-mounted spacer set

FSU STRING 2 WAP with blocking function
switchable 3 pcs., 20m viewing distance

Luminaire states:



Dimensional drawings* [mm]:



3 pcs. Surface wall mounting

3 pcs. Semi-recessed wall mounting
Cut-out: 173x97mm





FSU INDUSTRY with changeable direction indication
Parallel wall installation, E20-1
Item no. (illustration):
9066 xx 3101 INDUSTRY E20-1 Laser Arrow
9066 00 0010 INDUSTRY E20/E40-1 Mounting bracket W parallel

Ceiling mounting / parallel wall mounting / 90° wall mounting

Housing: Stainless steel V4A, glass beaded
Panel: ESG glass
Protection class: ⚡ (230 V) ⚡ (PLC24)
Protection type: IP 66
Temperature range: -15 °C to +40 °C



Luminaires for surface mounting

9066 xx 3101 INDUSTRY E20-1 Laser Arrow one-sided
9066 xx 3111 INDUSTRY E40-1 Laser Arrow one-sided

Accessories for one-sided version

9066 00 0010 INDUSTRY E20/E40-1 Mounting bracket W parallel
9066 00 0020 INDUSTRY E20/E40-1 Mounting bracket W90D direct
9066 00 0030 INDUSTRY E20/E40-1 Mounting bracket W90D detached
9066 00 0040 INDUSTRY E20/E40-1 Mounting bracket SK one-sided

Accessories for two-sided version

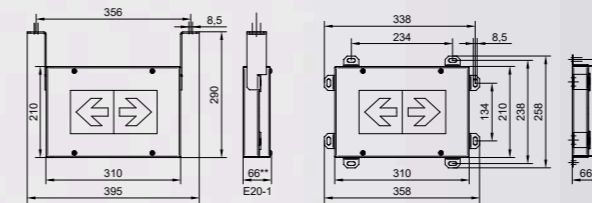
9066 00 0050 INDUSTRY E20/E40-2 Mounting bracket W90D direct
9066 00 0060 INDUSTRY E20/E40-2 Mounting bracket W90D detached
9066 00 0070 INDUSTRY E20/E40-2 Mounting bracket SK two-sided

FSU INDUSTRY temporarily visible
switchable, 20m viewing distance

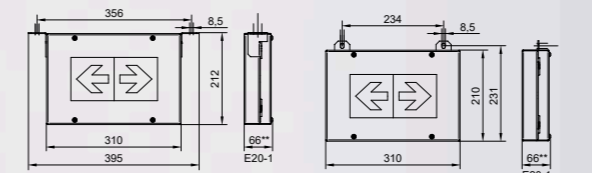
Luminaire states:



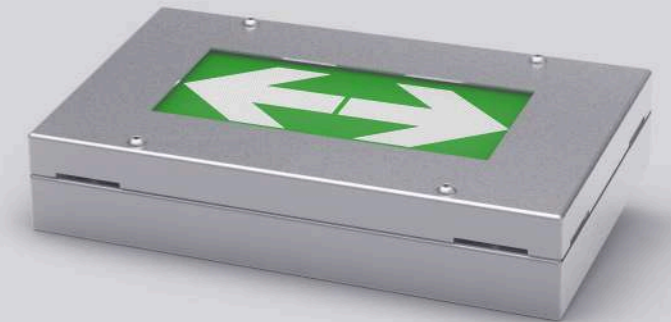
Dimensional drawings* [mm]:



E20-1/E20-2 Detached ceiling mounting (W90D detached) E20-1 Wall mounting (W parallel)
Representation of all possible mounting points



E20-1/E20-2 Direct ceiling mounting (W90D direct) E20-1/E20-2 Suspended mounting (SK one-sided, SK two-sided)

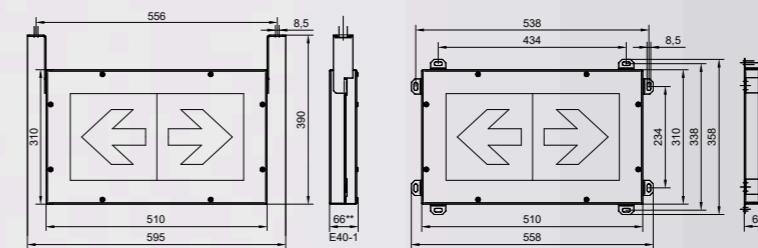


FSU INDUSTRY temporarily visible
switchable, 40m viewing distance

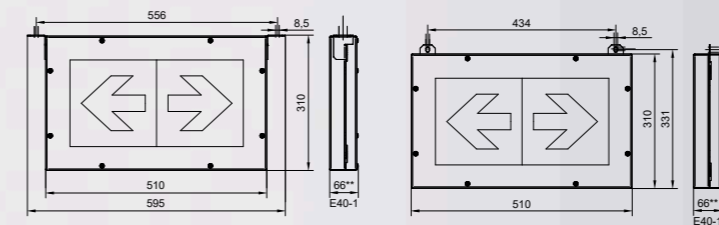
Luminaire states:



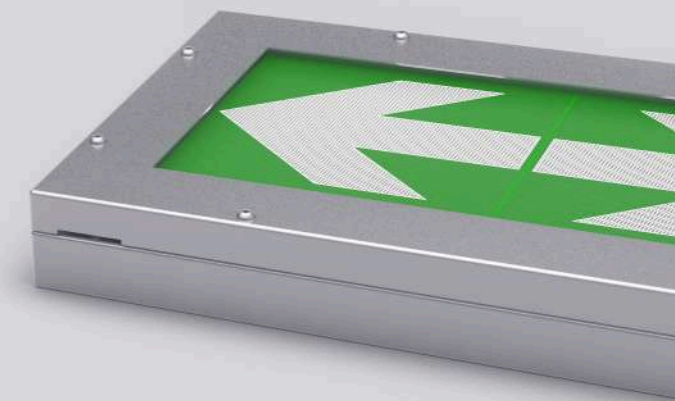
Dimensional drawings* [mm]:



E40-1/E40-2 Detached ceiling mounting (W90D detached) E40-1 Wall mounting (W parallel)
Representation of all possible mounting points



E40-1/E40-2 Direct ceiling mounting (W90D detached) E40-1/E40-2 Suspended mounting (SK one-sided, SK two-sided)



* In the case of 90° wall mounting, the dimensions of the respective dimensional drawing apply, but rotated by 90°. ** Two luminaires are required for two-sided mounting E20-2/E 40-2. Dimension is thus 132 mm.



FSU INDUSTRY with changeable direction indication
Detached mounting one-sided, E20-1 3 pcs.
Item no. (illustration):
9066 19 4101 Industry E20-1 3 pcs. X-Picto
9066 00 0030 Industry E20/E40-1 Mounting bracket W90D detached

Ceiling mounting / parallel wall mounting / 90° wall mounting

Housing: Stainless steel V4A, glass beaded
Panel: ESG glass
Protection class: ⬢ (PLC24)
Protection type: IP 66
Temperature range: -15 °C to +40 °C



Luminaires for surface mounting

9066 19 5101 INDUSTRY E20-1 3 pcs. Laser Picto one-sided
9066 19 4101 INDUSTRY E20-1 3 pcs. X-Picto one-sided

Accessories for one-sided version

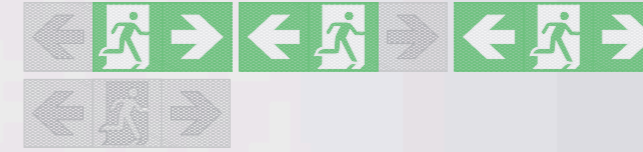
9066 00 0010 INDUSTRY E20/E40-1 Mounting bracket W parallel
9066 00 0020 INDUSTRY E20/E40-1 Mounting bracket W90D direct
9066 00 0030 INDUSTRY E20/E40-1 Mounting bracket W90D detached
9066 00 0040 INDUSTRY E20/E40-1 Mounting bracket SK one-sided

Accessories for two-sided version

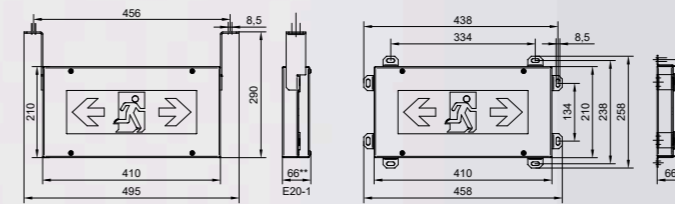
9066 00 0050 INDUSTRY E20/E40-2 Mounting bracket W90D direct
9066 00 0060 INDUSTRY E20/E40-2 Mounting bracket W90D detached
9066 00 0070 INDUSTRY E20/E40-2 Mounting bracket SK two-sided

FSU INDUSTRY temporarily visible
switchable 3 pcs., 20 m viewing distance

Luminaire states:

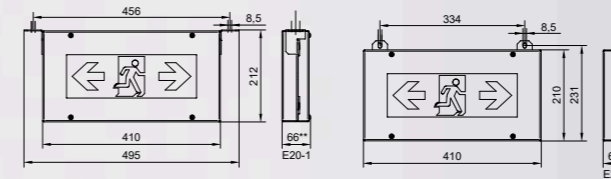


Dimensional drawings* [mm]:



3 pcs. Detached ceiling mounting
(W90D detached)

3 pcs. Wall mounting (W parallel)
Representation of all possible mounting points



3 pcs. Direct ceiling mounting
(W90D direct)

3 pcs. Suspended mounting
(SK one-sided, SK two-sided)

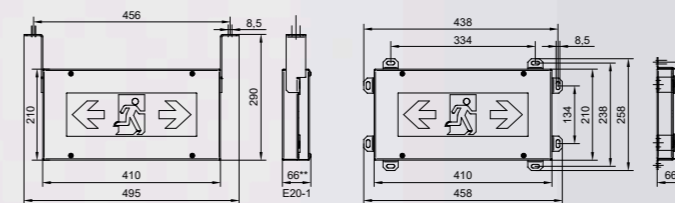


FSU INDUSTRY with blocking function
switchable 3 pcs., 20 m viewing distance

Luminaire states:

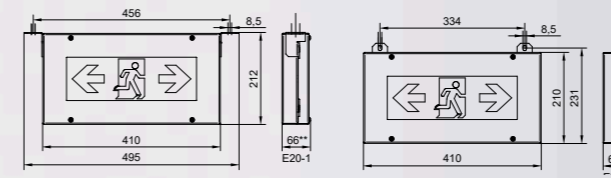


Dimensional drawings* [mm]:



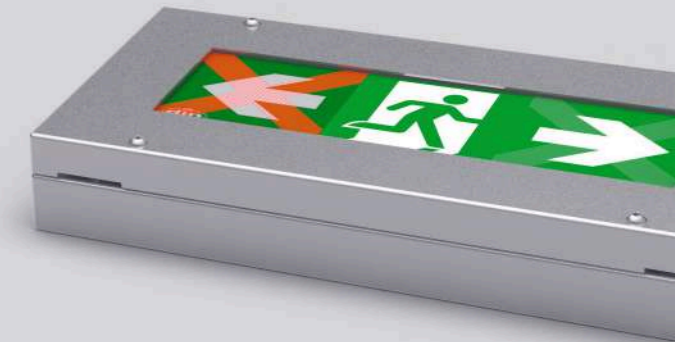
3 pcs. Detached ceiling mounting
(W90D detached)

3 pcs. Wall mounting (W parallel)
Representation of all possible mounting points



3 pcs. Direct ceiling mounting
(W90D detached)

3 pcs. Suspended mounting
(SK one-sided, SK two-sided)



* In the case of 90° wall mounting, the dimensions of the respective dimensional drawing apply, but rotated by 90°.
** Two luminaires are required for two-sided mounting E20-2/E 40-2. Dimension thus 132 mm.

STRING 2 with flashing function



STRING 2 with flashing function
Ceiling surface mounting, size 2
Item no. (illustration):
9074 19 0110 STRING 2 Size 2 Picto Flash DA

Ceiling mounting / 90° wall mounting

Housing: Polycarbonate, flame-retardant, white, RAL 9003, UV-stabilised
Panel: PC / PMMA with included light guidance
Protection class: ⬢ (PLC24)
Protection type: IP 40
Temperature range: -15 °C to +40 °C



Luminaires for recessed mounting

- 9074 19 0210 STRING 2 Size 2 Picto Flash DE
- 9074 19 1210 STRING 2 Size 3 Picto Flash DE

Luminaires for surface mounting

- 9074 19 0110 STRING 2 Size 2 Picto Flash DA
- 9074 19 1110 STRING 2 Size 3 Picto Flash DA

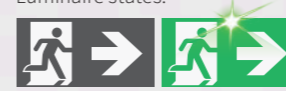
Accessories

- 9069 00 0002 STRING 2 Exposed concrete casting box Size 2
- 9069 00 0003 STRING 2 Exposed concrete casting box Size 3
- 9069 00 0009 STRING 2 Rope suspension mounting set 1,5 m
- 9069 00 0010 STRING 2 Rope suspension mounting set 4,0 m
- 9069 00 0015 STRING 2 Rope suspension mounting set, short
- 9069 00 0011 STRING 2 Rope suspension adjustment set

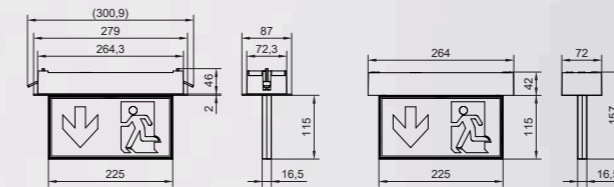
FSU STRING 2 with flashing function

22m viewing distance

Luminaire states:



Dimensional drawings* [mm]:



Size 2 DE - Recessed mounting
Cut-out: 266 x 74 mm
Material thickness: 1-30 mm
Recessed depth: >50 mm

Size 2 DA - Surface mounting



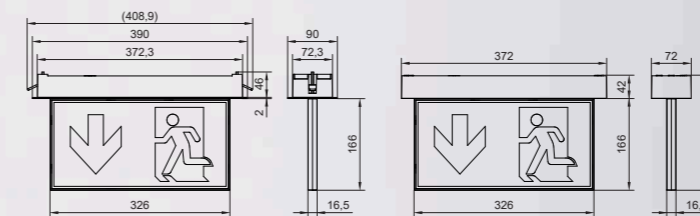
FSU STRING 2 with flashing function

32m viewing distance

Luminaire states:



Dimensional drawings* [mm]:



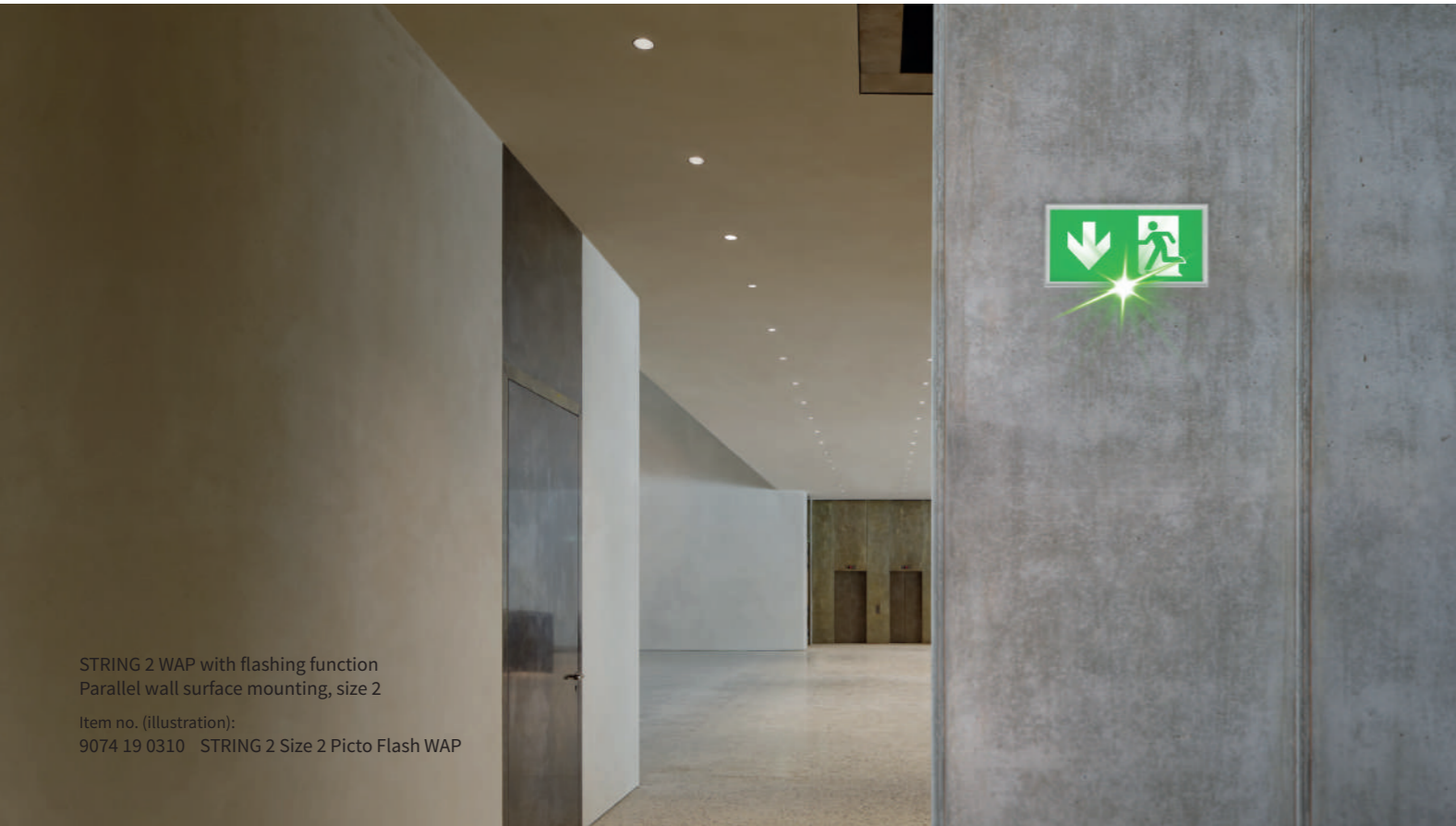
Size 3 DE - Recessed mounting
Cut-out: 374 x 74 mm
Material thickness: 1-30 mm
Recessed depth: >50 mm

Size 3 DA - Surface mounting



* In the case of 90° wall mounting, the dimensions of the respective dimensional drawing apply, but rotated by 90°.

STRING 2 with flashing function



STRING 2 WAP with flashing function
Parallel wall surface mounting, size 2
Item no. (illustration):
9074 19 0310 STRING 2 Size 2 Picto Flash WAP

WAP Parallel wall mounting

Housing: Polycarbonate, flame-retardant, white, RAL 9003, UV-stabilised
 Panel: PC / PMMA with included light guidance
 Protection class: ⬠ (PLC24)
 Protection type: IP 20
 Temperature range: -15 °C to +40 °C



Luminaires for surface mounting

9074 19 0310 STRING 2 Size 2 Picto Flash WAP
 9074 19 1310 STRING 2 Size 3 Picto Flash WAP

Accessories

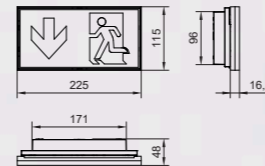
9069 00 0006 STRING 2 WAP Surface-mounted spacer set

FSU STRING 2 WAP with flashing function
22m viewing distance

Luminaire states:



Dimensional drawings* [mm]:



Size 2 Surface wall mounting

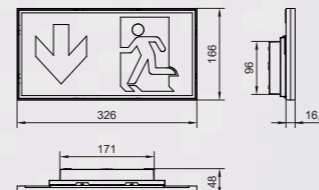


FSU STRING 2 WAP with flashing function
32m viewing distance

Luminaire states:

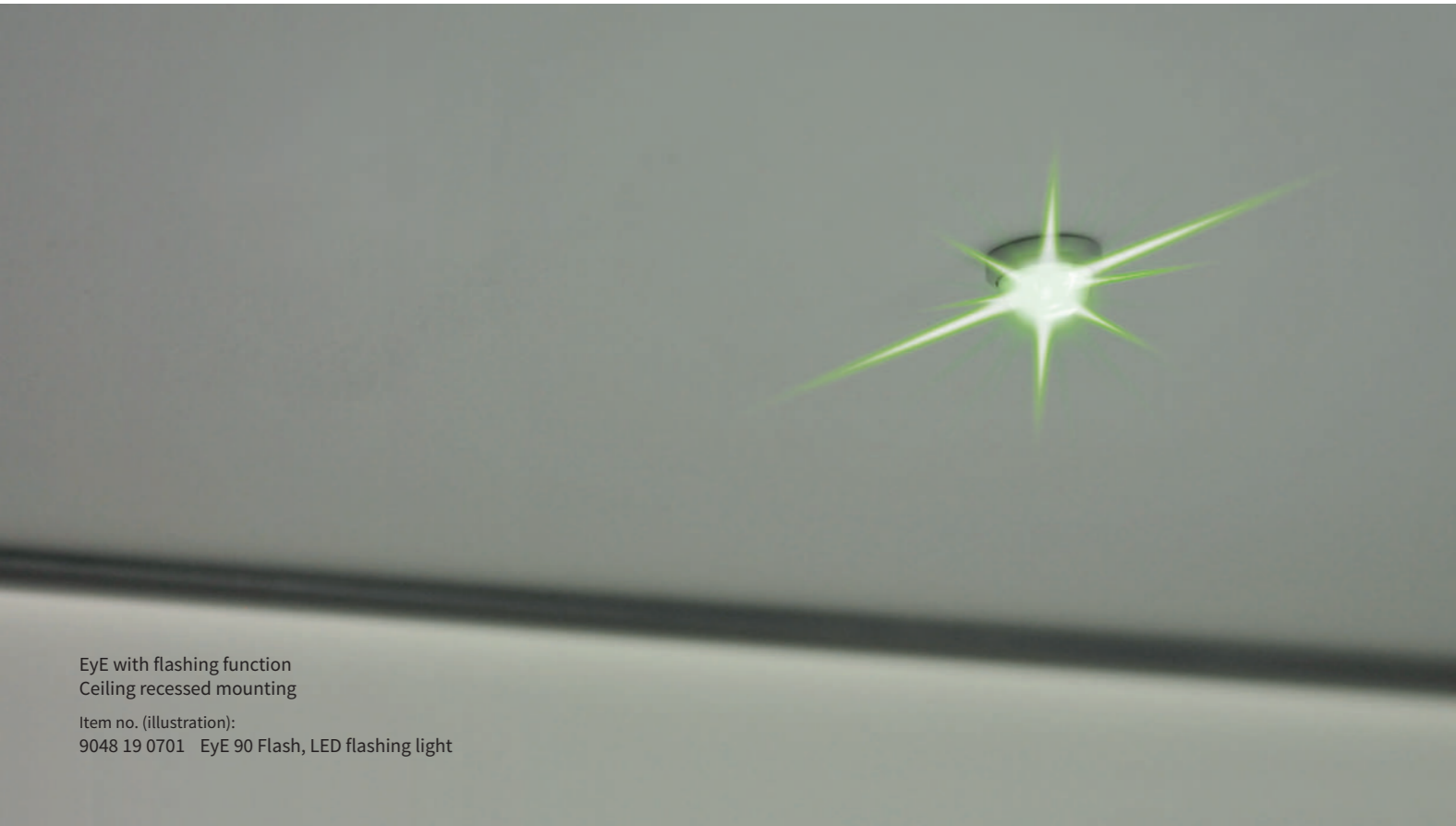


Dimensional drawings* [mm]:



Size 3 Surface wall mounting





EyE with flashing function
Ceiling recessed mounting

Item no. (illustration):
9048 19 0701 EyE 90 Flash, LED flashing light

Ceiling mounting / Wall mounting

Housing: Aluminium body with light guiding polycarbonate lens
 Protection class: IP40
 Protection type: IP40
 Temperature range: -15°C to +40°C



Luminaire for recessed mounting

9048 19 0701 EyE 90 Flash, LED flashing light

Accessories

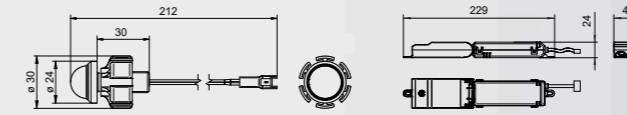
9210 001 EyE-R mounting set round cover plate incl. retaining spring
 9210 002 EyE-E mounting set angular cover plate incl. retaining spring

Note: The supply electronics cannot be inserted through the luminaire opening and must be accommodated separately.

FSU EyE

Ceiling recessed luminaire with flash function

Dimensional drawings* [mm]:



Recessed mounting
 Drill hole: 13 mm
 Ceiling thickness: 0,5-20 mm
 Recessed depth: > 40 mm

Supply module
 229 x 45 x 24 mm (LxWxH)



FLOOR & FLOOR with changeable direction indication



FSU FLOOR with changeable direction indication
Floor recessed mounting

- Item no. (illustration):
 9047 xx 0510 FLOOR switchable arrows
 9080 005 FLOOR concrete installation sleeve
 9080 002 installation sleeve, artificial stone slab

Floor mounting

Housing:	Anodised aluminium
Cover:	Polycarbonate
Ring:	2 mm stainless steel
Protection class:	□ (Electronics 230V) ◇ (PLC24)
Protection type:	IP 66 (Luminaire), IP 20 (Electronics 230V), IP 65 (Electronics PLC24)
Temperature range:	-15 °C to +40 °C



Luminaires for recessed mounting

- 9081 x01 FLOOR Picto
 9047 xx 0510 FLOOR Switchable arrows

The luminaire is approved exclusively for indoor applications.

Accessories

- 9080 001 FLOOR installation sleeve for 4 mm covering
 9080 002 FLOOR installation sleeve, artificial stone slab
 9080 003 FLOOR mounting aid
 9080 004 FLOOR protective cover
 9080 005 FLOOR concrete installation sleeve
 9080 007 FLOOR junction box IP 67

Your din contact person will be happy to answer any questions you may have regarding mounting accessories.

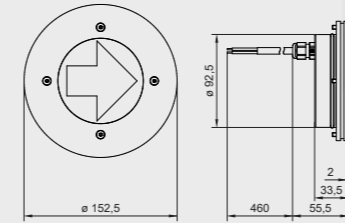
FLOOR

FLOOR recessed luminaire

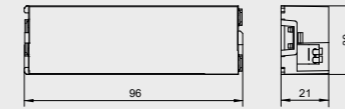
Luminaire states:



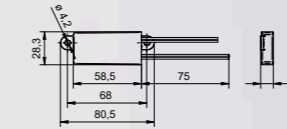
Dimensional drawings* [mm]:



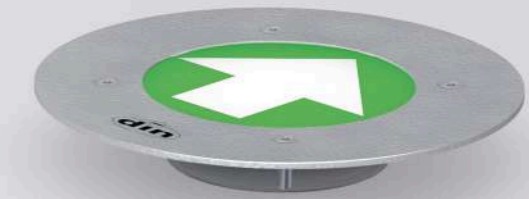
FLOOR floor mounting
 Illuminated surface: ø 85,2 mm
 Recessed depth: >150 mm



Electronics 230V



Electronics PLC24 IP 65



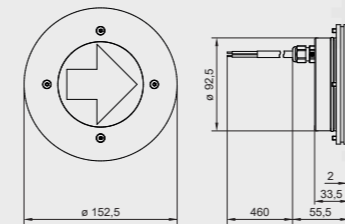
FSU FLOOR

FLOOR recessed luminaire with changeable direction indication

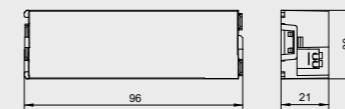
Luminaire states:



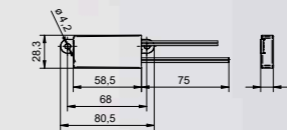
Dimensional drawings* [mm]:



FLOOR floor mounting
 Illuminated surface: ø 85,2 mm
 Recessed depth: >150 mm



Electronics 230V
 In this version 2 sets of electronics are supplied.



Electronics PLC24 IP 65
 In this version 2 sets of electronics are supplied.





FLOOR with flashing function
Floor recessed mounting

Item no. (illustration):
9048 19 0501 FLOOR Picto Flash
9080005 FLOOR concrete installation sleeve
9080002 Floor installation sleeve, artificial stone slab

Floor mounting

Housing:	Anodised aluminium
Cover:	Polycarbonate
Ring:	2 mm stainless steel
Protection class:	⊠ (PLC24)
Protection type:	IP 66 (Luminaire), IP 20 (Electronics)
Temperature range:	-15°C to +40°C



Luminaire for recessed mounting

9048 19 0501 FLOOR Picto Flash

The luminaire is approved exclusively for indoor applications.

Accessories

9080 001	FLOOR installation sleeve for 4 mm covering
9080 002	FLOOR installation sleeve, artificial stone slab
9080 003	FLOOR mounting aid
9080 004	FLOOR protective cover
9080 005	FLOOR concrete installation sleeve
9080 007	FLOOR junction box IP67

Your din contact person will be happy to answer any questions you may have regarding mounting accessories.

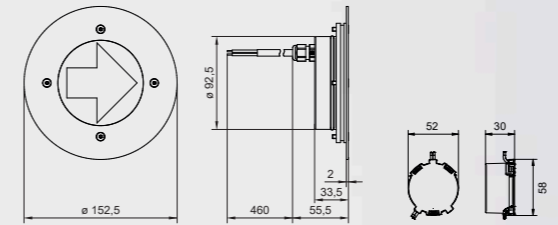
FSU FLOOR with flashing function

Floor recessed luminaire with flashing function

Luminaire states:



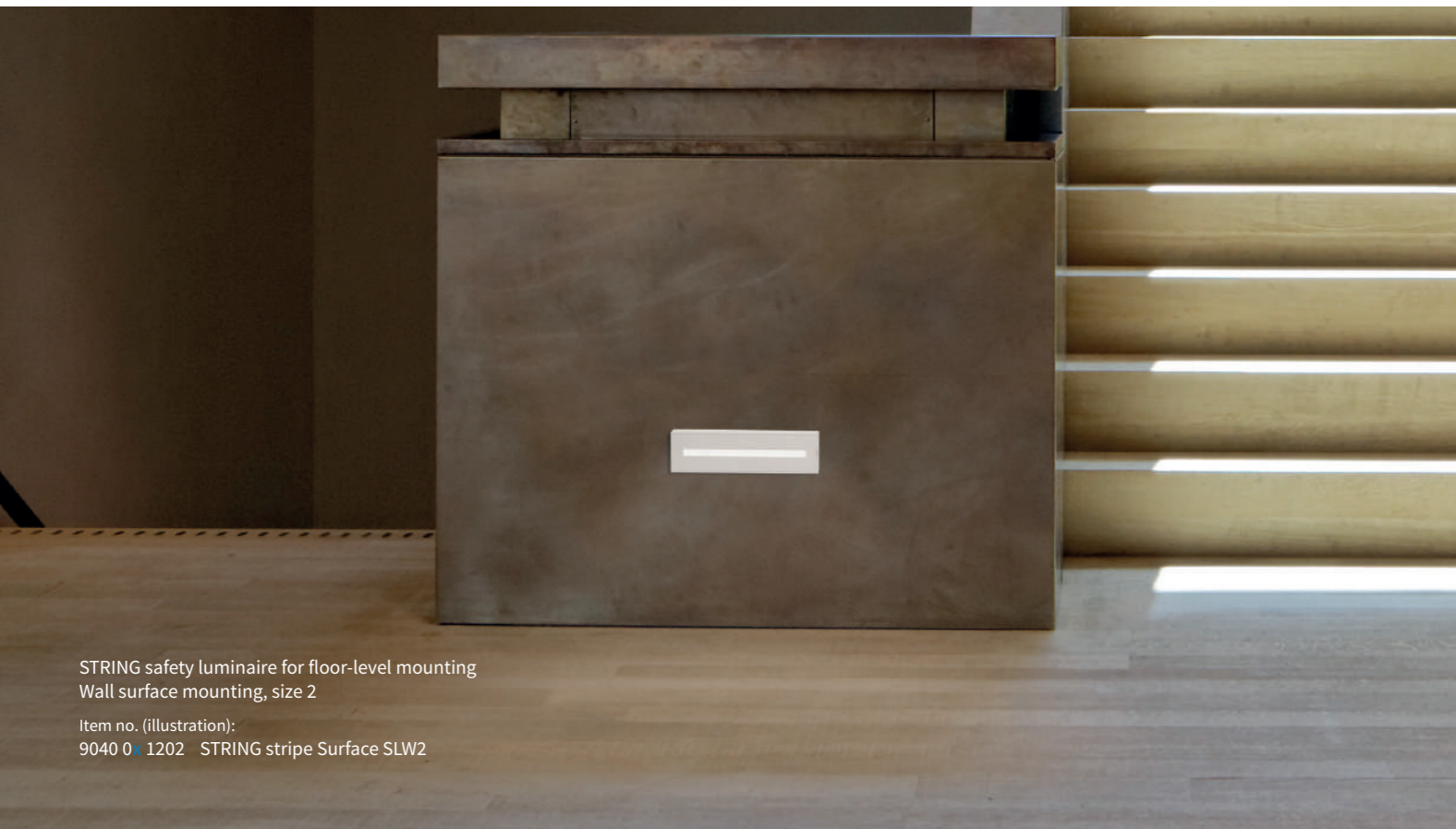
Dimensional drawings* [mm]:



FLOOR floor mounting
Illuminated surface: $\varnothing 85,2$ mm
Recessed depth: >150 mm

Electronics system





STRING safety luminaire for floor-level mounting
Wall surface mounting, size 2

Item no. (illustration):
9040 0 1202 STRING stripe Surface SLW2

Floor-level wall mounting / 90° floor-level wall mounting

Housing: Polycarbonate, flame-retardant, white, RAL 9003, UV-stabilised
Protection class: \square (230V), \diamond (PLC24)
Protection type: IP 40
Temperature range: -15°C to +40°C



Luminaires for recessed mounting

- 9040 0x 1301 STRING stripe Recessed SLW1
- 9040 0x 1701 STRING stripe Recessed SLWS1
- 9040 0x 1302 STRING stripe Recessed SLW2
- 9040 0x 1702 STRING stripe Recessed SLWS2

Luminaires for surface mounting

- 9040 0x 1201 STRING stripe Surface SLW1
- 9040 0x 1601 STRING stripe Surface SLWS1
- 9040 0x 1202 STRING stripe Surface SLW2
- 9040 0x 1602 STRING stripe Surface SLWS2

Accessories

- 9040 00 0001 Exposed concrete casting box stainless steel V2A Size 1
- 9040 00 0002 Exposed concrete casting box stainless steel V2A Size 2
- 9050 00 0010 Prefabricated drywall element Size 1
- 9050 00 0011 Prefabricated drywall element Size 2

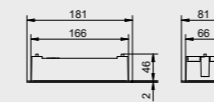
STRING Safety luminaire size 1

for floor-level mounting and floor-level upright mounting

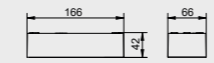
	1 lux	1 lux	1 lux	1 lux
	stripe SLW Size 1		stripe SLWS Size 1	
0,3	1,20	3,30	1,10	2,80
0,4	1,40	3,90	1,30	3,20
0,5	1,60	4,50	1,40	3,50
0,6	1,70	5,00	1,60	3,80
0,7	1,90	5,50	1,70	4,10
0,8	2,10	5,80	1,70	4,30
0,9	2,30	6,10	1,80	4,50

Installation height [m]

Dimensional drawings [mm]:

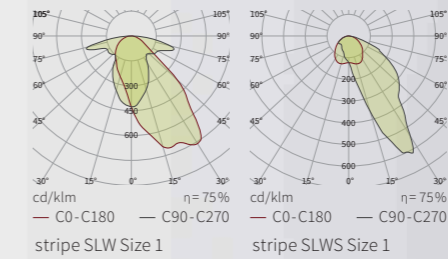


SLW1/SLWS1 WE - Recessed mounting
Ceiling cut-out: 168 x 68 mm
Ceiling thickness: 1-30 mm
Recessed depth: >50 mm



SLW1 / SLWS1 WA - Surface mounting

Light distribution:



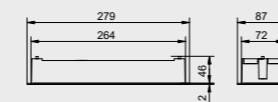
STRING Safety luminaire size 2

for floor-level mounting and floor-level upright mounting

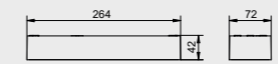
	1 lux	1 lux	1 lux	1 lux
	stripe SLW Size 2		stripe SLWS Size 2	
0,3	1,70	4,30	1,50	3,60
0,4	1,80	5,20	1,70	4,00
0,5	2,10	6,00	1,80	4,30
0,6	2,40	6,60	2,00	4,60
0,7	2,60	6,90	2,10	4,80
0,8	2,80	7,20	2,20	5,00
0,9	2,90	7,40	2,20	5,10

Installation height [m]

Dimensional drawings [mm]:

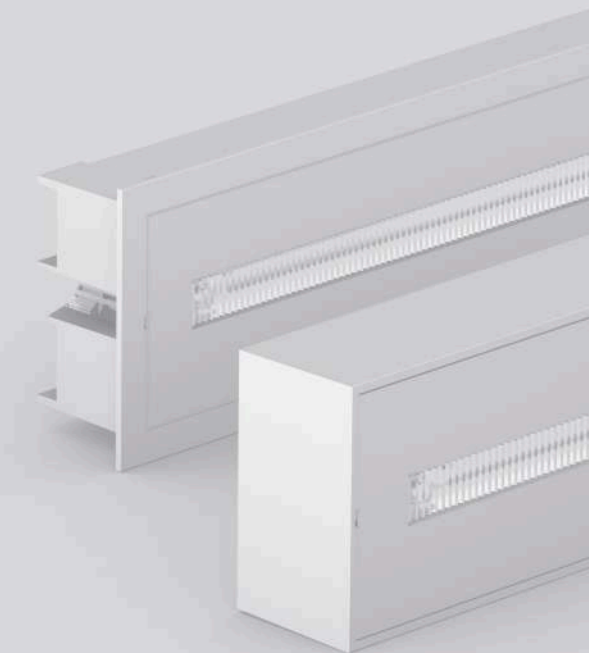
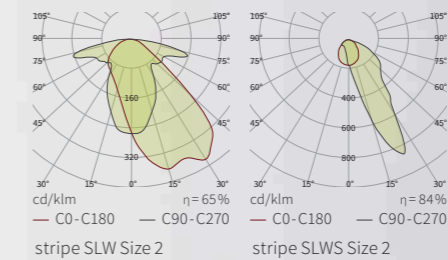


SLW2 / SLWS2 WE - Recessed mounting
Ceiling cut-out: 266 x 74 mm
Ceiling thickness: 1-30 mm
Recessed depth: >50 mm



SLW2 / SLWS2 WA - Surface mounting

Light distribution:





TUBE 2 safety luminaire for floor-level installation
Handrail mounting, 35° rotated

Item no. (illustration):
9023 09 4508 Tube 2-PLC24-1-42, 4000K, sym. refl.

Handrail mounting

Housing: Highly impact-resistant polycarbonate with integrated highly-glossy reflector
Protection class: \diamond (PLC24)
Protection type: IP 66/68
Temperature range: -25°C to +45°C



Luminaires for recessed mounting

9023 09 4523 Tube 2-PLC24-05-42, 4000K, sym. refl.
9023 09 4508 Tube 2-PLC24-1-42, 4000K, sym. refl.
9023 09 4524 Tube 2-PLC24-05-42, 4000K, asym. refl.
9023 09 4509 Tube 2-PLC24-1-42, 4000K, asym. refl.

Accessories

9230 001 Stainless steel pipe with laser cut-out $\varnothing = 42,40$ mm, L = 200 mm
9230 002 Stainless steel pipe with laser cut-out $\varnothing = 42,40$ mm, L = 500 mm
9230 003 Pipe connector for welding or bonding
9230 004 Metal adhesive, high strength

TUBE 2 Safty luminaire

Spacing table, symmetrical reflector rotated 35° to the front
Escape route width: 2 m

	1 lux		1 lux	
	1 lux	1 lux	1 lux	1 lux
4000K	0,5W		1W	
0,70	1,70	4,20	2,20	5,10
0,75	1,80	4,50	2,30	5,30
0,80	1,90	4,60	2,40	5,50
0,85	2,00	4,80	2,50	5,60
0,90	2,10	5,00	2,60	5,80
0,95	2,20	5,10	2,60	6,00
1,00	2,20	5,30	2,70	6,20

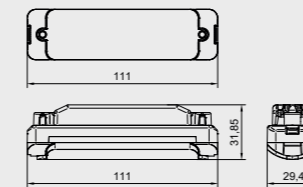
Installation height [m]

Spacing table, asymmetrical reflector rotated 15° to the front
Escape route width: 2 m

	1 lux		1 lux	
	1 lux	1 lux	1 lux	1 lux
4000K	0,5W		1W	
0,70	1,70	4,00	2,10	5,00
0,75	1,80	4,30	2,30	5,20
0,80	1,90	4,60	2,40	5,60
0,85	2,00	4,80	2,50	5,80
0,90	2,10	5,00	2,60	6,10
0,95	2,20	5,10	2,60	6,20
1,00	2,20	5,30	2,70	6,40

Installation height [m]

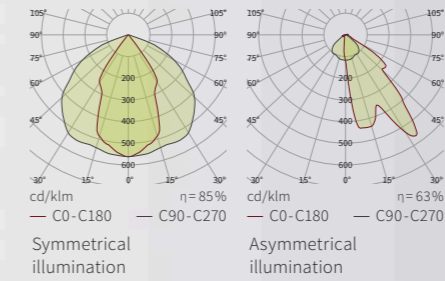
Dimensional drawings [mm]:



TUBE 2 - Recessed mounting

Note: Dimensional drawings for the cut-out are available as a dxf file on request!
Note the optimal tube diameter 42.4 mm,
Material thickness 2 mm!

Light distribution:



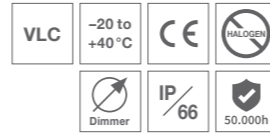


TUBE-264 floor-level mounting
Screwable recessed mounting, 4000 K

Item no. (illustration):
9023 09 4221 TUBE-264-PLC24-2-M, 4000 K, without light guidance
9023 00 0004 Concrete casting box TUBE-264

Floor-level wall mounting and handrail mounting

Housing: Polycarbonate
Protection class: \diamond (PLC24)
Protection type: IP 66
Temperature range: -20°C to +40°C



Luminaires for recessed mounting

- 9023 09 31x1 TUBE-264-PLC24-1-x, 3000K, without light guidance
- 9023 09 41x1 TUBE-264-PLC24-1-x, 4000K, without light guidance
- 9023 09 32x1 TUBE-264-PLC24-2-x, 3000K, without light guidance
- 9023 09 42x1 TUBE-264-PLC24-2-x, 4000K, without light guidance
- 9023 09 31x2 TUBE-264-PLC24-1-x, 3000K, symmetrical
- 9023 09 41x2 TUBE-264-PLC24-1-x, 4000K, symmetrical
- 9023 09 31x3 TUBE-264-PLC24-1-x, 3000K, asymmetrical
- 9023 09 41x3 TUBE-264-PLC24-1-x, 4000K, asymmetrical
- 9023 09 32x3 TUBE-264-PLC24-2-x, 3000K, asymmetrical
- 9023 09 42x3 TUBE-264-PLC24-2-x, 4000K, asymmetrical
- 9023 09 31x4 TUBE-264-PLC24-1-x, 3000K, opal
- 9023 09 41x4 TUBE-264-PLC24-1-x, 4000K, opal
- 9023 09 32x4 TUBE-264-PLC24-2-x, 3000K, opal
- 9023 09 42x4 TUBE-264-PLC24-2-x, 4000K, opal
- 9023 09 3125 TUBE-264-PLC24-1-M, 3000K, with reflector
- 9023 09 4125 TUBE-264-PLC24-1-M, 4000K, with reflector
- 9023 09 3225 TUBE-264-PLC24-2-M, 3000K, with reflector
- 9023 09 4225 TUBE-264-PLC24-2-M, 4000K, with reflector

Accessories

- 9023 00 0003 Drywall element TUBE-264
- 9023 00 0004 Concrete casting box TUBE-264
- 9023 00 0005 Cover housing TUBE-264 *

Light item number logic

- xxxx xx xx0x Round profile safety light Type "R"
- xxxx xx xx1x Square profile safety light Type "E"
- xxxx xx xx2x Safety light for recessed mounting Type "M"

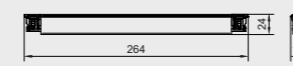
TUBE-264 Safety luminaire

Handrail mounting spacing table - symmetrical illumination at 35° to the wall

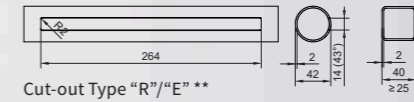
	1 lux	1 lux	50 lux (Em)
symmetrical		Emergency light 1W	Increased requirements 2W
0,70	2,10	4,95	2,70
0,75	2,25	5,10	2,60
0,80	2,30	5,25	2,50
0,85	2,35	5,40	2,40
0,90	2,40	5,55	2,40
0,95	2,50	5,70	2,30
1,00	2,60	5,85	2,20

Installation height [m]

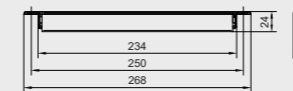
Dimensional drawings [mm]:



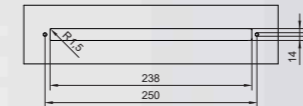
Luminaire Type "R"/"E"
Click variant



Cut-out Type "R"/"E" **
Cut-out size: 260 x 14 mm
Tube diameter Type "R" \varnothing 38-76 mm



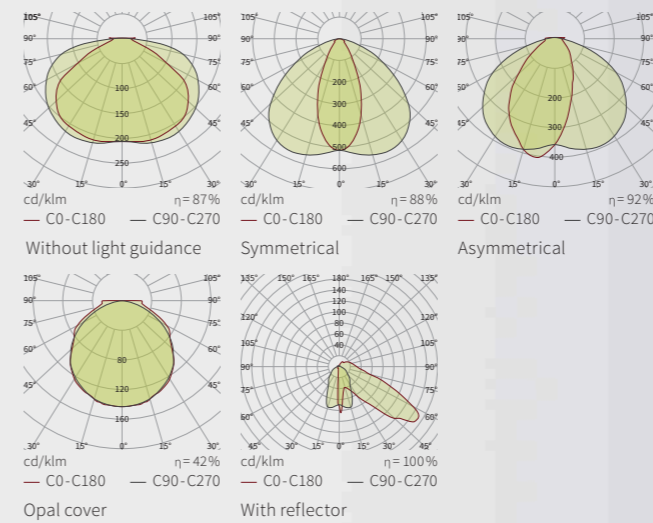
Luminaire Type "M"
Screwable recessed mounting



Cut-out Type "M" ***
Cut-out size: 238 x 14 mm,
Cut-out depth: at least 18 mm

NOTE: Dimensional drawings for the cut-outs are available as a dxf file on request!

Light distribution:



* Cover for cavity assemblies accessible from the rear.

** Type E: The possible dimensions of the profile must be coordinated with the cabling used in the course of the overall project planning. Note the Type "R"/"E" Material thickness of 2 mm!

*** When installing in solid materials (no cavity behind), cable routing and clamping must be taken into account.



FSU Audio Loudspeaker
Ceiling recessed mounting

Item no. (illustration):
9047 19 6311 FSU Audio Loudspeaker DE PLC FSU

Ceiling installation

Housing: Sheet steel
Protection class: \diamond (PLC24)
Protection type: IP 20
Temperature range: -15°C to +40°C



Loudspeaker for recessed mounting

9047 19 6311 FSU Audio Loudspeaker DE PLC FSU

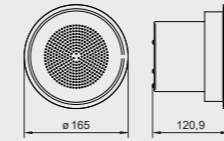
Loudspeaker for surface mounting

9047 19 6321 FSU Audio Loudspeaker DA PLC FSU

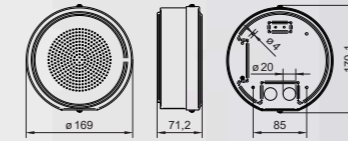
FSU Audio

Loudspeaker

Dimensional drawings [mm]:



DE - Recessed mounting
Ceiling cut-out: \varnothing 144 - 146 mm
Recessed depth: > 115 mm



DA - Surface mounting



DID YOU KNOW?

According to ÖNORM B1600, an evacuation concept for the escape or rescue of people with disabilities must be included in the escape or fire protection plans. The 2-senses principle as per 8.2.2 must also be applied.



More information
can be found at
fsu.notlicht.at



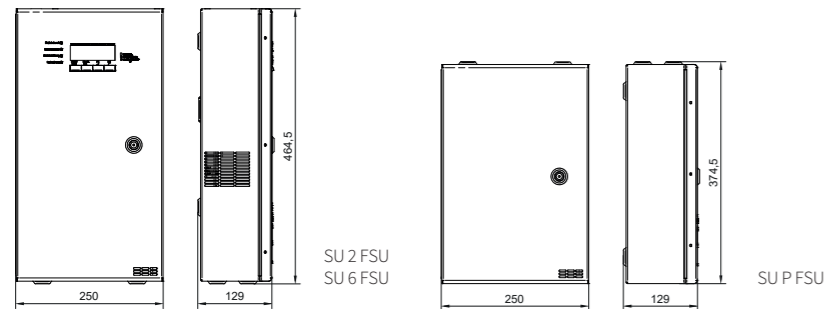
SU FSU

System design: Wall cabinet system, sheet steel, powder-coated
 Mains connection: 1~ 230V AC, 50 Hz
 Max. connection cross-sections: Mains: 4 mm², battery: internal, electric circuits: 2,5 mm²
 Cable entry: Foam rubber, from above, 12 x ø 15 mm, 12 x ø 21 mm
 Ambient temperature: Operation: 0 °C bis +35 °C, Battery: ideal 20 °C according to EUROBAT
 Max. relative humidity: 85% without dewing
 Protection class: Ⓢ / IP 20
 Protection type: IP 20
 Safety power source: 24V DC / 12Ah (SU P FSU), 24V DC / 36Ah (with SU P FSU)
 sealed lead batteries with 10/12 years service life (LONG LIFE) according to EUROBAT at 20 °C

FSU freely-programmable electric circuits: 6 pieces with 20 addresses each
 Weight: 15 kg (without SU P FSU), 35 kg (with SU P FSU)
 Door design: Left door stop, double-burr cylinder



Dimensional drawings [mm]:



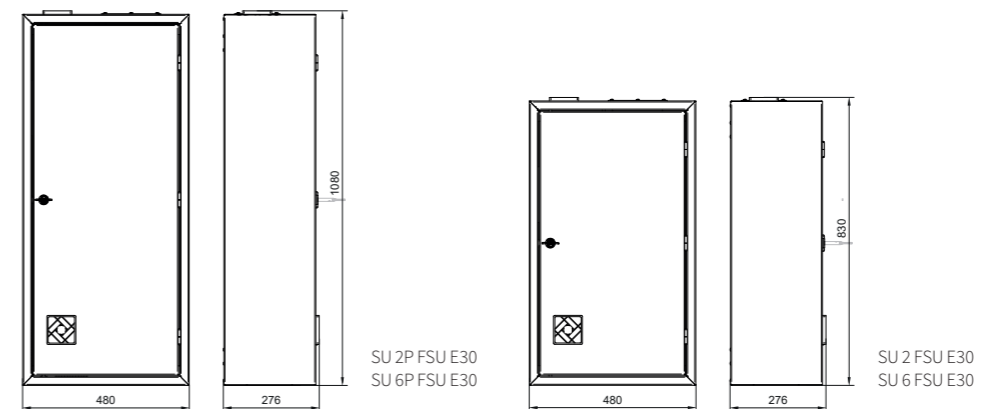
SU FSU E30

System design: Wall cabinet system with E30 function retention, sheet steel, powder-coated in RAL 7035 with modular patented fire prevention plate structure and wall mounting set
 Mains connection: 1~ 230V AC, 50 Hz
 Max. connection cross-sections: Mains: 4 mm², battery: internal, electric circuits: 2,5 mm²
 Cable entry: SU E30 cable compartment, from above, 24 x ø 18 mm
 Ambient temperature: Operation: 0 °C to +35 °C, Storage: -20 °C to +50 °C, Battery: ideal 20 °C according to Eurobat
 Max. relative humidity: 85% without dewing
 Ventilation: natural
 Protection class / Protection type: Ⓢ / IP 44
 Safety power source: 24V DC / 12Ah (SU 6 FSU E30), 24V DC / 36Ah (SU 6P FSU E30)
 sealed lead batteries with 10 year service life according to EUROBAT at 20 °C

Freely-programmable electric circuits: 6 pieces with 20 addresses each (SU 6 FSU E30, SU 6P FSU E30)
 Weight: max. 70 kg for SU 6 FSU E30, max. 100 kg for SU 6P FSU E30
 Door design: Right door stop, double-burr cylinder
 Certificates: Certification of E30 function retention from an accredited test institute



Dimensional drawings [mm]:



FSU PROJEKT GUIDE

5 steps to the successful implementation of your FSU project.

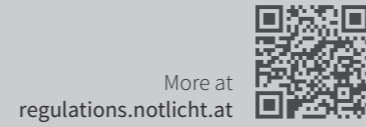
- Design
- Planning
- Installation
- Documentation
- Service & maintenance

DESIGN

CLARIFICATION WITH EXPERTS AND AUTHORITIES

Clarify the project requirements based on current standards, laws and requirements from the fire protection report.

Your din contact partner will be happy to support you.

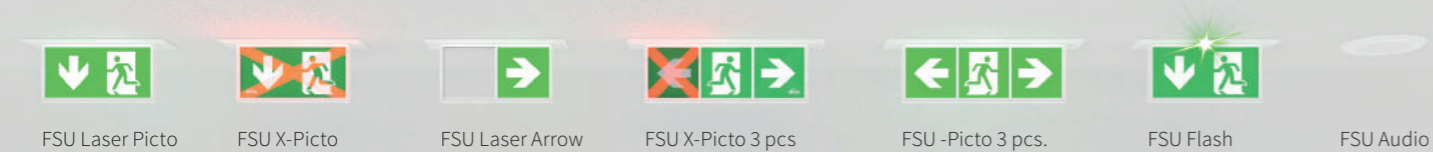


- Design
- Planning
- Installation
- Documentation
- Service & maintenance

PLANNING

LUMINAIRE / LIGHT SELECTION

Choose the right luminaires for your requirements from the FSU luminaire range.



SYSTEM SELECTION

Choose either the static or dynamic system according to your project requirements.

FSU AUDIO

Place the FSU loudspeakers at neuralgic points in your escape route concept.

CREATE FLOOR PLANS

Create the floor plans for each scenario together with your din contact person.

PREPARE CONTROL DESCRIPTION

Create the control description in which all scenarios with the respective control contacts are documented.

Tip: Your din contact will be happy to provide you with a matrix for this purpose.

OBTAIN PLANNING APPROVAL

Request planning approval from your electrical planner or the responsible expert.

Download the control matrix for your project downloads.notlicht.at



FSU
Fluchtweg Szenarien Umschaltung

Control Input Description

	Control contact	Reviewed	Notes
1. Szenario 1 - Normal operation: all escape routes are open	I1 = OFF I2 = OFF	✓	

- Design
- Planning
- Installation
- Documentation
- Service & maintenance

INSTALLATION

INSTRUCTION OF MOUNTING PERSONNEL

Mounting instruction is recommended for all FSU luminaires.

Your din contact person will be happy to offer you support with the following activities:

- System set-up and mounting
- Wiring and connecting the lights/loudspeakers
- Installation of the control and enabling contacts

In addition, the din contact person will give you valuable advice on the assembly of the lights.

PROGRAMMING BY MEANS OF SU-CONTROL

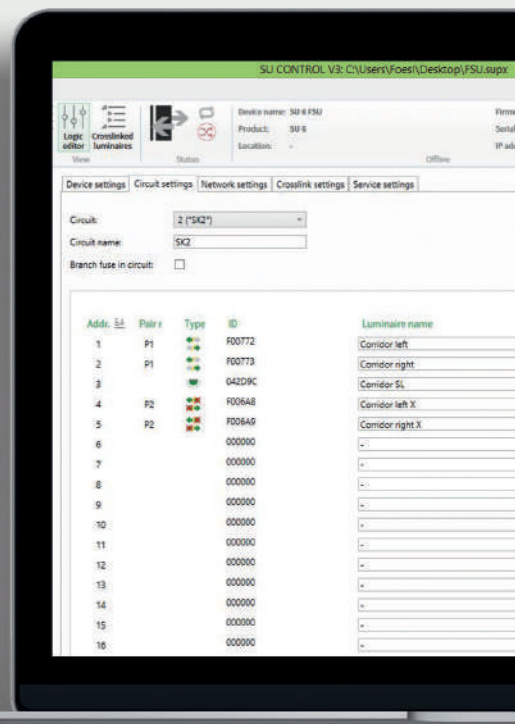
Simply programme the prepared scenarios using the SU-CONTROL software.

ACCEPTANCE OF THE FSU FUNCTION

Carry out the acceptance of the FSU system with an expert or an authorised person.

The **SU-CONTROL** software assists you with the programming and configuration of your emergency lighting systems with various functions.

Programming scenarios simply - a **video** to illustrate this sucontrol.notlicht.at



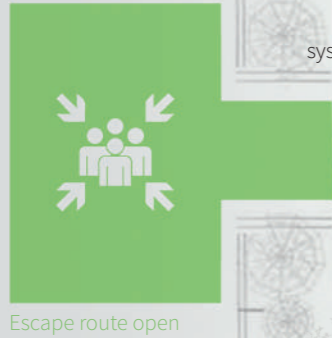
FSU

AN INTELLIGENT ESCAPE ROUTE GUIDANCE SYSTEM



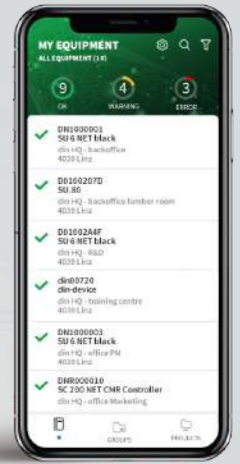
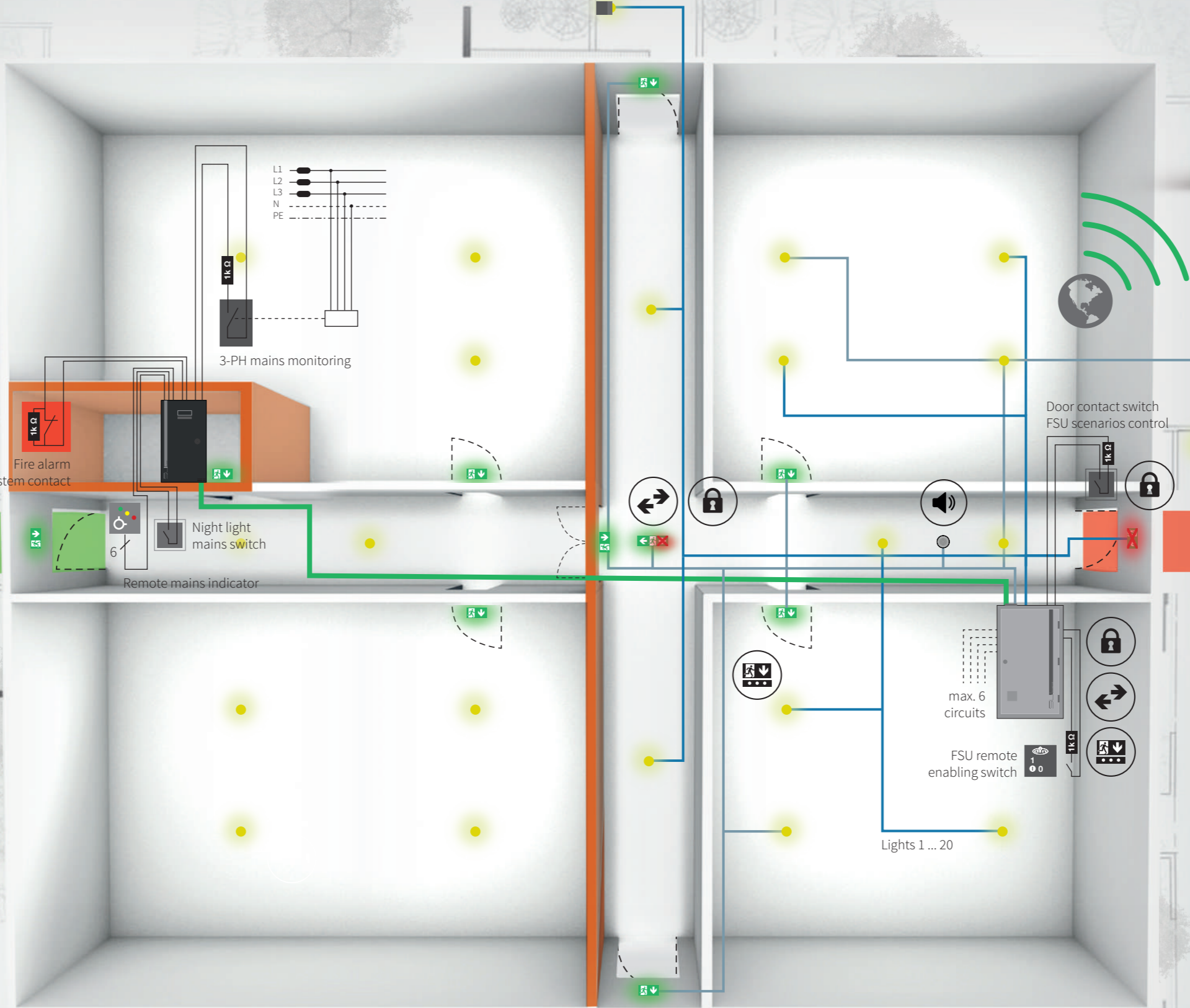
FSU NET - SWITCH SCENARIOS

The SU NET FSU system combines the proven NET functionality and transmission of messages relevant to emergency lighting such as 3-PH monitoring, general fire alarm and enables triggering of FSU scenarios.

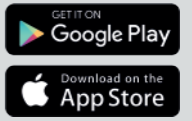


MIXED OPERATION

All FSU systems include mixed operation as standard: Escape sign, safety, FSU lights and FSU loudspeakers are powered up and triggered without an additional data line.



The mySU app not only gives you an overview of the status of your systems, but also notifies you immediately when the status changes.



Discover the advantages of the mySU app with our demo account:

1. Download from Google Play or the App Store
2. Use the following login: **demo@din-notlicht.at**
Password: 6978



SWITCH SCENARIOS

Simple potential-free switching contacts of fire alarm systems, door contacts, key switches are used for triggering the static or dynamic escape route scenarios.

50.000 hrs

FULL GUARANTEE

The entire SU NET FSU system comes with a 50,000hr / 5.7 year full guarantee.



FSU AUDIO

The FSU loudspeakers are supplied and triggered via the final circuit of the emergency lighting without any effort. Additional acoustic cues have been proven to increase safety in the building.

Explanations of symbols:

SU 6 NET
Max. 6 electric circuits

SU E30 FSU
Max. 6 electric circuits

Electric circuit 1
Mixed operation

Electric circuit 2
Mixed operation

Fire compartment

din emergency luminaire network

illuminated emergency route sign

Emergency sign luminaire with blocking function

3-piece emergency sign luminaire changeable direction indication

Safety luminaire

Loudspeaker

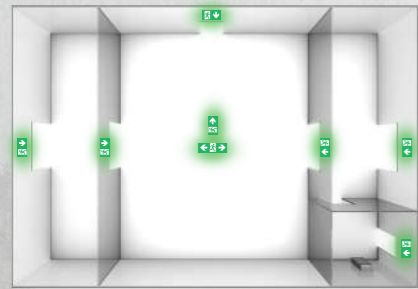
DOCUMENTATION

File the following documents in your project documentation and inform your fire safety officer of the solution:

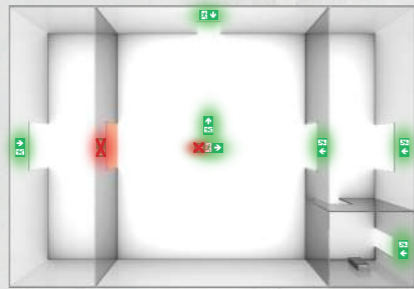
- Fire protection report / notice / FSU project requirement
- Floor plans for each scenario
- Control description / functional description
- System configuration
- IBN protocol
- Acceptance documents

EXAMPLE DOCUMENTATION OF THE SCENARIOS

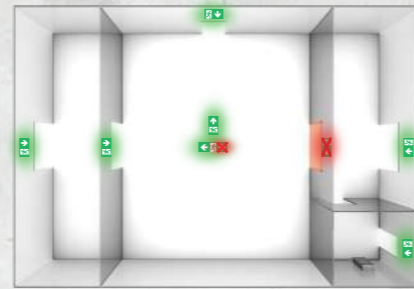
Document each scenario in the floor plan.



Normal operation



Left escape route blocked



Right escape route blocked

SERVICE AND MAINTENANCE

AGREE RECURRING INSPECTION BY MEANS OF ACTUATION MATRIX

Annual maintenance must be carried out in accordance with the manufacturer's instructions. Standard-compliant maintenance and precise servicing are an essential part of the proper functioning of FSU systems. We will be happy to carry this out with your local electrician.

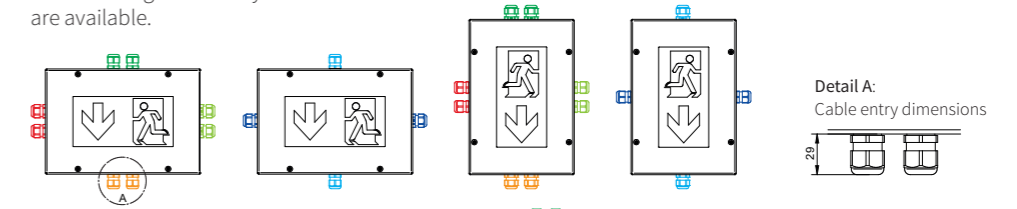


	Control contact	Reviewed	Notes
	I1 = OFF I2 = OFF	<input checked="" type="checkbox"/>	
ble	I1 = ON I2 = OFF	<input checked="" type="checkbox"/>	
safety	3ph	<input checked="" type="checkbox"/>	
safety	FAS	<input checked="" type="checkbox"/>	
54 safety	battery operation	<input checked="" type="checkbox"/>	



FSU-INDUSTRY CABLE GLAND

The following cable entry variants are available.



Options to choose from:

- 2x cable entry top centre
- 2x cable entry right centre
- 2x cable entry left centre
- 2x cable entry bottom centre
- 1x cable entry left centre / 1x right centre
- 1x cable entry top centre / 1x bottom centre

EN ISO 7010 - PICTOGRAMS

Pictograms and arrows available as standard for X-Picto and Laser Picto luminaires.*



All FSU pictograms are optionally available with male or with wheelchair symbol.

* The illustrations represent an excerpt of the possible arrow directions and mounting variants.

Customised solutions upon request. State your project requirement.



EXPLANATION OF SYMBOLS

The following symbols have been used in the catalogue and have the following meaning:

- XXm** **Viewing distance:** The recognition distance in metres is the standardised distance at which a person is still clearly able to recognise a backlit emergency route sign in accordance with EN 1838.
- IP/XX** **Protection type IPXX:** The protection type provides information on the safe operation of the luminaire under different ambient conditions acc. to EN 60529.
- XX to +XX °C** **Temperature range:** The light is suitable for temperatures -15 / -30 to +40 °C.
- 50.000h** **50.000 hr full guarantee:** din-Sicherheitstechnik GmbH & Co KG guarantees a service life of 5.7 years based on the guarantee and warranty conditions.
- X** **Item number:** Item numbers with x in the colour blue indicate the availability of different technologies.
- CE** **CE mark:** The product complies with the requirements of EN 60598-2-22, as well as EC Directive 93/98/EC (Low Voltage Directive).
- HALOGEN** **Halogen free:** The materials used in the luminaire are free from halogens, acc. to IEC 61249-2-21.
- Dimmer** **Dimming function:** The dimming function is activated directly via the supplying emergency light unit. In emergency mode, the light output is automatically increased to 100%.
- VLC** **Visible Light Communication (VLC):** Data exchange via bidirectional luminaire communication.
- RAL COLOURS** **RAL colours:** On request, various components are available in all RAL colours.

Escape route panel. Because every second counts.

The emergency-powered escape route and rescue plan provides better orientation - even during an emergency situation.



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