

DATASHEET SAFE

INHALT

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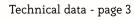
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Technical data

LUX GLENDER - SAFE	
Handrail material	AISI 304 or AISI 316 (L)
Handrail dimension	ø42,4 mm and 40x40 mm
Light source	LED-strip
Operating voltage	24 VDC (20,526VDC)
Power symmetrical	6, 10, 20 W/m
Power asymmetrical	3, 5, 10 W/m
Light color temperature	Ca. 1800K, 2600K, 2900K, 3300K, 3500K, 4200K and more
CRI	>80
Protection LED-Strip	IP69
Operating temperatur	-25 45°C
Storage temperature	-25 55°C
Life cicle	> 60.000 h
Dimmable	yes (PWM)
Light distribution	symmetrical or asymmetrical
Standards	Suitable for installation in Emergency lightining systems to EN60598-2-22
Fixture housing material	Plastic - ABS
Fixture potting compound	PU clear

Application examples:

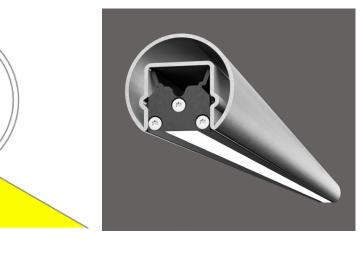
- For straight, curved, and spiral handrails
- Staircase entrances outdoor areas, building entrances, parking garages
- Parks, garden areas, tunnels, bridges
- Schools, daycares, kindergartens, universities
- Suitable for installation in emergency lighting systems according to EN 60598-2-22 (only with a suitable operating device)



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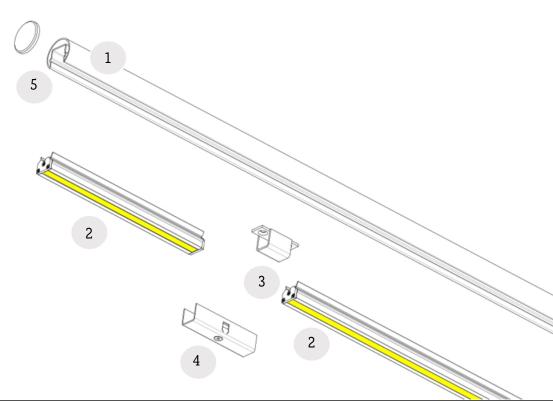




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Construction

Item	Description	Notes
1	Handrail profile	Stainless steel AISI 304 or AISI 316 (L), available for Lilly ø 42.4 mm, Emil 40x40 mm, and Alu WOOD profiles.
2	SAFE LED luminaire	Fully encapsulated LED-luminaire
3	Support brackets	For welding in the groove or to bolt together with sliding block
4	SAFE Lock	Open areas can be closed with SAFE closures. No additional brackets or mounting holes are required.
5	End bracket	



•

Handrail profiles will be delivered as 6-meter. SAFE luminaires can be between 250 and 1500 mm. ٠

- Customizations such as RGB, colors, etc., are available upon request. •
- All components must be assembled and connected by a qualified firm. •

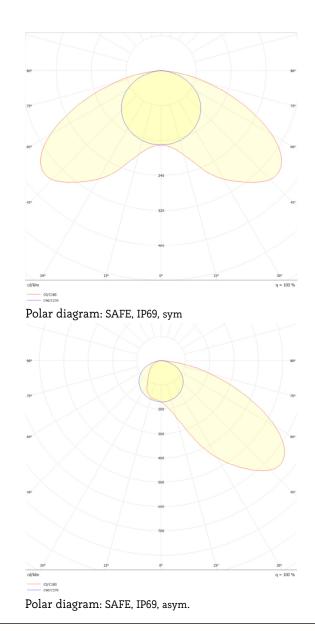
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Photometric technical data - symmetrical and asymmetrical light distribution

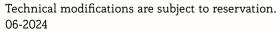
SAFE, IP69, symmetrical light distribution							
Luminous flux [Lm/meter]							
6 W/m	10 W/m	20 W/m	30 W/m				
242	404	808	1212				

SAFE, IP69, asymmetrical light distribution							
Luminous flux [Lm/meter]							
3 W/m	5 W/m	10 W/m	15 W/m				
121	202	404	606				



Total-system data: the LED-handrail completely assembled and measures, without wall or balustrade.

Customization i.e. RGB, Colors, etc. available upon request.

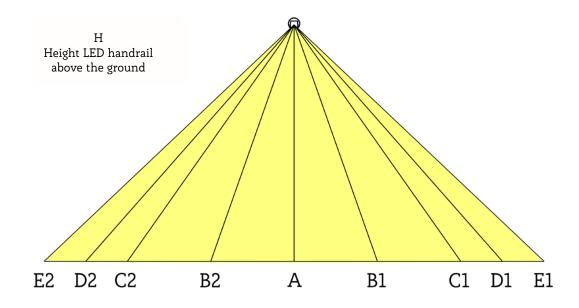


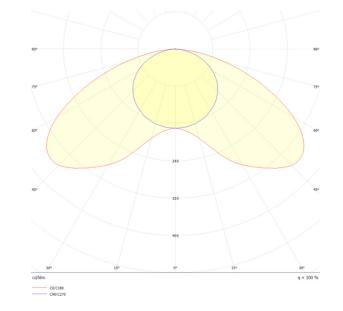
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Photometric technical data - symmetrical light distribution

SAFE, symmetrical light distribution, power 20 W/m										
Luminance intensity [lx]										
Point	Н	E2	D2	C2	B2	А	B1	C1	D1	E1
Distance to A	[mm]	1800	1500	1200	600	0	600	1200	1500	1800
SAFE sym.	850	53	86	138	281	262	281	138	86	53
SAFE sym.	1300	88	118	151	192	167	192	151	118	88





Polar diagramm: SAFE, IP69, sym.

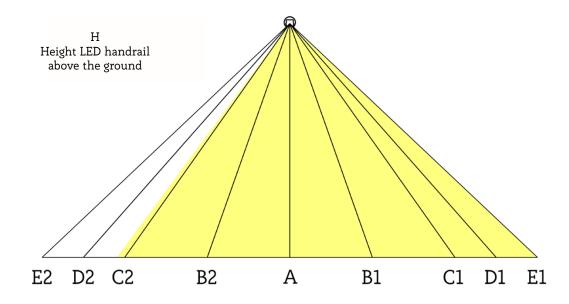
Note: Measuring point is in the middle of a 5 meter length lamp, without wall or balustrade. This data have been measured and generated by us and provide just a rough orientation. In individual cases are project-related photometric subsequent measurement necessary. For subsequent measurement use our Eulumdat data.

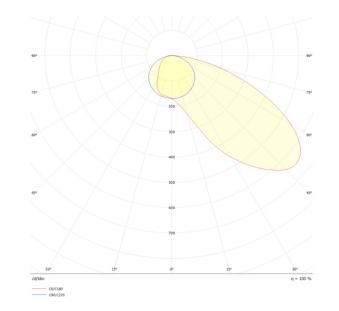
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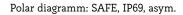
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Photometric technical data - asymmetrical light distribution

SAFE, aymmetrical light distribution, power 10 W/m										
Luminance intensity [lx]										
Point	Η	E2	D2	C2	B2	А	B1	C1	D1	E1
Distance to A	[mm]	1800	1500	1200	600	0	600	1200	1500	1800
SAFE asym.	850	4	7	15	50	131	230	126	79	49
SAFE asym.	1300	8	12	19	53	83	137	132	107	80







Note: Measuring point is in the middle of a 5 meter length lamp, without wall or balustrade. This data have been measured and generated by us and provide just a rough orientation. In individual cases are project-related photometric subsequent measurement necessary. For subsequent measurement use our Eulumdat data.

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Installation

Installation instructions for SAFE system

• Plan/install handrails.

Measure distances between handrail brackets or posts and communicate to LUX GLENDER.
 Luminaires will be produced and delivered according to the measured distances. Luminaires can only be manufactured in a grid of 5cm.
 The luminaires must be interrupted at changes of direction and mitered corners.

- The luminaires are simply clipped into the groove. No brackets or mounting holes are required. To do this, first insert one end of the luminaire into the groove and then gradually clip the luminaire into the groove.
- The open spaces between the luminaires must be closed using SAFE closures or groove closure profiles.
- A hook tool is required to remove the luminaires.

Curved handrails

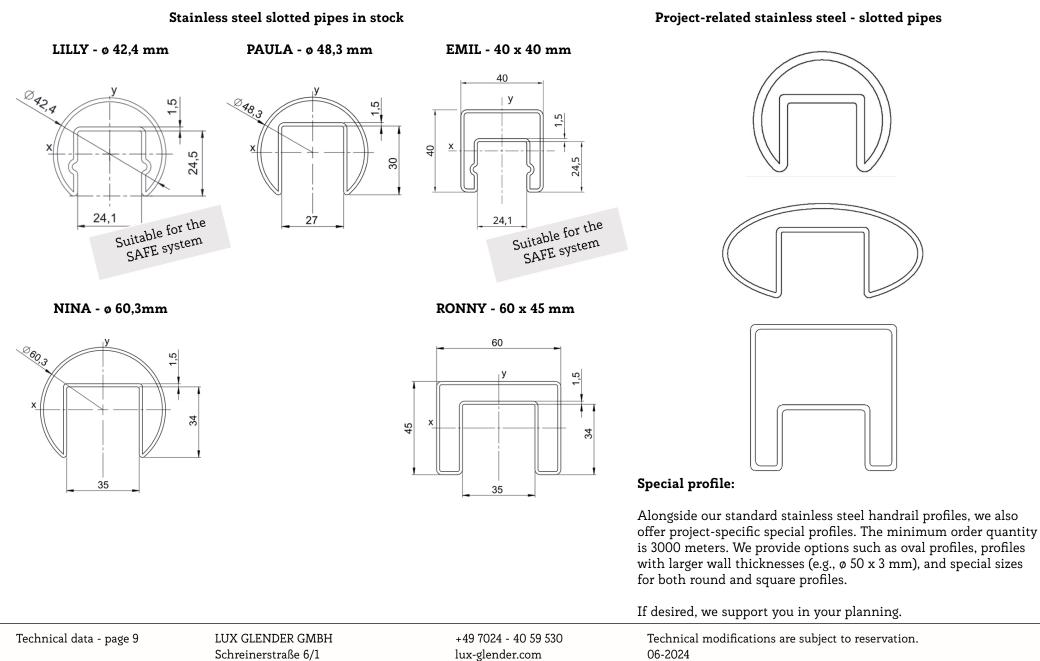
• Up to a bending radius of 2 m, the SAFE luminaire can be inserted into the handrail without pre-bending. To do this, first insert one end of the luminaire into the groove and then gradually clip the luminaire into the groove. The luminaire will adapt to the profile curve.

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Stainless steel - slotted pipes



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Stainless steel - slotted pipe - Lilly - ø 42,4 x 1,5 mm

Dimensions		
Outer diameter	Ø 42,4 mm	
Wall thickness	1,5 mm	
Slot B x T	24 x 24,5 mm	
Delivery length	6010 mm	

Item no.	Material	Surface	Weight
A00003	1.4301/07	Blank IIIc 2B	2,1 kg/m
A000004	1.4301/07	K240	2,1 kg/m
A000202	1.4401/04	Blank IIIc 2B	2,1 kg/m
A000203	1.4401/04	K240	2,1 kg/m

This profile meets following accesibility standards:

Germany:	DIN 18040, DIN 18024, DIN 18025
Austria:	ÖNORM B 1600:2011, ÖNORM B 1601:1994, ÖNORM B 1602:2001,
	ÖNORM B 1603:2005
Switzerland:	SN 521 500, SN 640 075, SN 640 238, SN 640 568
General inform	aation about the stainless handrail profile

in ø 42,4 x 1,5mm

- Profile with cold rolled groove.
- Laser beam welded with forming gas, weld seam brushed.
- Manufacturing according to DIN EN 10088 T2, DIN EN ISO 9445T2, cold rolled, type 2B.
- Dimensions according DIN EN 10162 und EN 10021.
- Manufacturers marks in the groove.
- Inspection certificate 3.1 available.
- Tracks made by the roll-forming process are normal. Site finishing by installer may be necessary.
- Double-sided cutting cannot be ruled out.
- Manufacturing length 6010 mm -0/+20 (Cold saw-cut).
- \cdot $\;$ Further polishes, grits, powder coating or sandblasting on request.

Ideal for stairs, footbridges, balconies and bridges - barrier-free constructions.

Resistance- and area moment							
Wx	Wy	Ix	Iy				
1,5 cm³	2,5 cm³	2,92 cm4	5,28 cm4				

Maximum span			
Horizontal playload F	0,5 kN/m	1 kN/m	2 kN/m
Maximum profile span L	2,1 m	1,5 m	1,0 m



Note: This data applies only to the profile. The respective connection points must be calculated separately. For post/support distances in connection with LUX GLENDER brackets, please refer to the respective product data sheets

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LUX GLENDER GMBH

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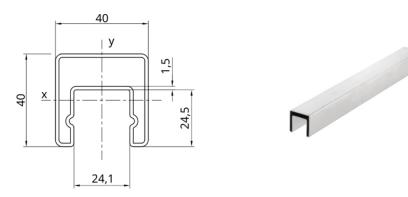
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Stainless steel - slotted pipe - Emil - 40 x 40 x 1,5 mm

Dimensions		
Outer diameter	40 x 40 mm	
Wall thickness	1,5 mm	
Slot B x T	24 x 24,5 mm	
Delivery length	6010 mm	

Item no.	Material	Surface	Weight
A000017	1.4301/07	K240 axial	2,35 kg/m
A000018	1.4401/04	K240 axial	2,38 kg/m



Ideal for stairs, footbridges, balconies and bridges.

Resistance- and area moment						
Wx	Wy	Ix	Iy			
2,28 cm ³	3,39 cm³	4,85 cm4	6,79 cm4			

Maximum span			
Horizontal playload F	0,5 kN/m	1 kN/m	2 kN/m
Maximum profile span L	2,25 m	1,75 m	1,05 m

General information about the stainless handrail profile

- Profile with cold rolled groove.
- Laser beam welded with forming gas, weld seam brushed.
- Manufacturing according to DIN EN 10088 T2, DIN EN ISO 9445T2, cold rolled, type 2B.
- Dimensions according DIN EN 10162 und EN 10021.
- Manufacturers marks in the groove.
- Inspection certificate 3.1 available.
- Tracks made by the roll-forming process are normal. Site finishing by installer may be necessary.
- Double-sided cutting cannot be ruled out.
 Manufacturing length 6010 mm -0/+20 (Cold saw-cut).
- Further polishes, grits, powder coating or sandblasting on request.

Note: This data applies only to the profile. The respective connection points must be calculated separately. For post/support distances in connection with LUX GLENDER brackets, please refer to the respective product data sheets

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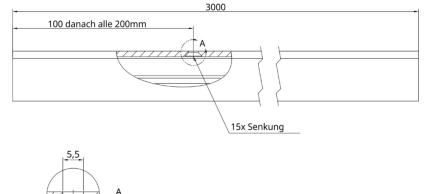
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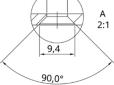
Alu-WOOD-profile

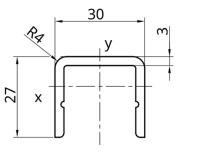
Dimensions		
Outer diameter	30 x 27 mm	
Wall thickness	3 mm	
Slot B x T	24 x 24 mm	
Delivery length	3010 mm	
Lowering	every 200 mm	

Item no.	Material	Surface	Weight	
A000019	EN-AW6060	natur	0,580 kg/m	

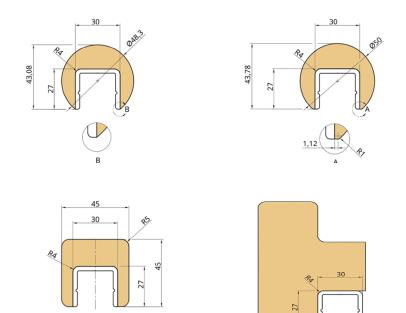
Resistance- and area moment					
Wx	Iy				
0,9 cm³	1,89 cm³	1,58 cm4	2,97 cm4		







Ideal for wooden handrails for stairs, footbridges, balconies and bridges



Handrail and installation examples, delivery without wood

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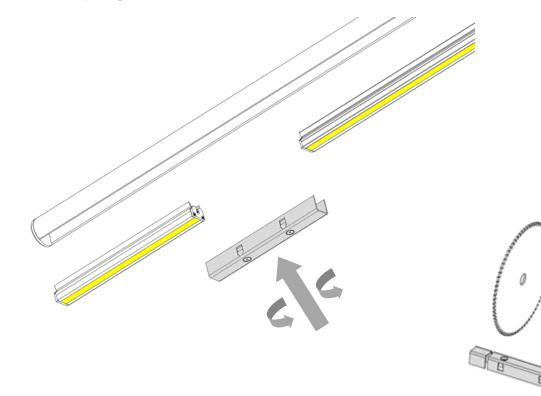
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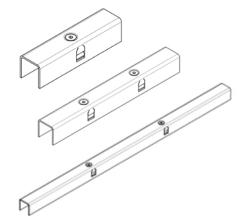
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Lock SAFE

Item no.	For slot	For profile	Surface	Material	Length
A000884	24mm	Lilly ø 42,4 mm Emil 40 x 40 mm	polished	1.4401/04	100 mm
A000885	24mm	Lilly ø 42,4 mm Emil 40 x 40 mm	polished	1.4401/04	200 mm
A000886	27mm	Lilly ø 42,4 mm Emil 40 x 40 mm	polished	1.4401/04	500 mm

IMPORTANT: The lock serves solely as a groove lock and must not be used as a load-bearing component!





Installation Instructions:

The SAFE fastener is used to close the open spaces between the LED elements. Electrical plugs can also be accommodated beneath the groove closure profile.

The fastener is inserted directly into the handrail and secured. No fixing holes or welding work are necessary.

The SAFE lock can be customized to the desired length.

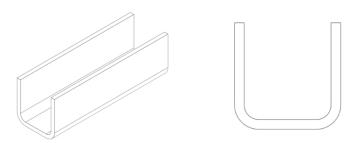
Do not adjust the length between the screws.

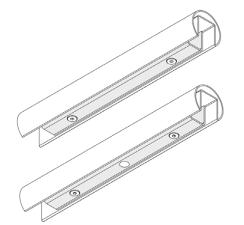
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Slot locking profile

Item no.	For slot	For profile	Surface	Material	Weight	Delivery length
A000204	24mm	Lilly ø 42,4 mm Emil 40 x 40 mm	K240	1.4301/07	1,10 kg/m	2990 mm
A000113	24mm	Lilly ø 42,4 mm Emil 40 x 40 mm	K240	1.4401/04	1,10 kg/m	2990 mm
A000205	27mm	Paula ø 48,3 mm	K240	1.4301/07	1,25 kg/m	2990 mm
A000053	27mm	Paula ø 48,3 mm	K240	1.4401/04	1,25 kg/m	2990 mm
A000206	35mm	Nina ø 60,3 mm Ronny 60 x 45 mm	K240	1.4301/07	1,48 kg/m	2990 mm
A000054	35mm	Nina ø 60,3 mm Ronny 60 x 45 mm	K240	1.4401/04	1,48 kg/m	2990 mm







Installation Instructions:

- The slot locking profile is used to close the open spaces between the LED elements. Electrical plugs can also be accommodated below the slot closure profile.
- The slot locking profile is offered in 3 m bars and must be sawn to the desired length by the processor.
- Countersinks for the M6 countersunk head screws are created in the slot closure profile. The processor determines the distances according to his planning.
- When using Sliding block to reinforce the groove bottom, handrail holders or supports can be welded directly to the slot locking profile. With this option, the support brackets can be dispensed with.

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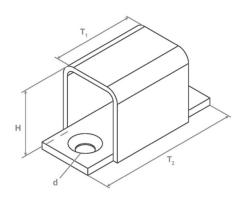
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Support bracket for screwing

Item no.	For slot	For profile	Surface	Material	н	T1	T2
A000116	24 mm	Lilly ø 42,4 mm Emil 40 x 40 mm	K240	1.4401/04	24 mm	35	60
A000117	27 mm	Paula ø 48,3 mm	K240	1.4401/04	30 mm	35	60
A000118	35 mm	Nina ø 60,3 mm Ronny 60 x 45 mm	K240	1.4401/04	34 mm	35	60

d - 2x countersink for M6 countersunk screws. Distance 40 mm.

Maximum span				
Horizontal payload F		0,5 kN/m	1 kN/m	2 kN/m
	A000116	1,6 m	1,0 m	0,4 m
Maximum distance between two brackets L	A000117	1,6 m	1,0 m	0,4 m
	A000118	1,6 m	1,0 m	0,4 m



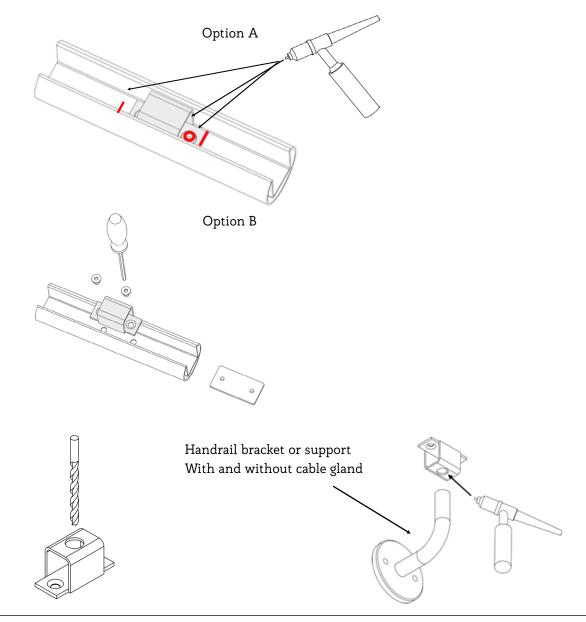


Note: This data applies only to the support brackets, which are compatible with the profiles. Information regarding the distance of handrail holders when using LUX GLENDER brackets can be found in the respective product data sheets. The holders, shorings, and posts provided by the customer must be calculated by the customer. This data specifically pertains to the support brackets when used with a compatible profile.

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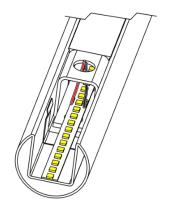
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Support brackets for screwing and welding



Installation Instructions:

- Option A: The support bracket is welded to the handrail profile at the marked areas in the groove.
- Option B: The support bracket is screwed to the profile within the groove. However, due to the small wall thickness of the profile (1.5 mm), it is not sufficient for accommodating a sufficient number of M6 threads in the groove base. Therefore, the use of a sliding block is required. A permanently stable connection is not possible without a slot nut.
- The shape of the base holder allows electrical cables and LED strips to be fed through the groove without, for example, the LED strip having to be interrupted.
- The power feed/power supply line can be routed through the base receptacle by drilling it out for this purpose. Use a hollow handrail bracket, pipe bend, or pipe support for this application. Ensure that there is a sufficient cross-section for the cable inside the pipe and that any burrs are removed.
- Refer to the sliding block data sheet for information on how the sliding block is installed.



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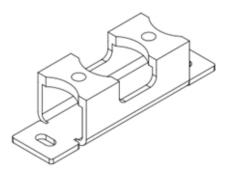
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Seperation base

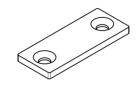
Item no.	For slot	For profile	Surface	Material	Lenght	High	Distance countersink M6	Distance for blind rivets
A000806	24 mm	Lilly ø 42,4 mm Emil 40 x 40 mm	blank	1.4401/04	80 mm	20	34	66 + 1x center
A000807	27 mm	Paula ø 48,3 mm	blank	1.4401/04	80 mm	26	34	66 + 1x center
A000808	35 mm	Nina ø 60,3 mm Ronny 60 x 45 mm	blank	1.4401/04	80 mm	30	34	66 + 1x center

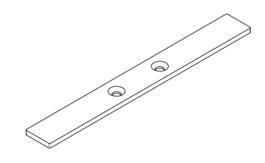
2x countersink for M6 countersunk screws. Distance 34 mm

Item no.	For slot	Surface	Material	Lenght	High	Distance countersink
A000809	24 mm	polished	1.4401	50 mm	4	34
A000810	27 mm	polished	1.4401	50 mm	4	34
A000811	35 mm	polished	1.4401	50 mm	4	34
A000812	24 mm	polished	1.4401	200 mm	4	34
A000813	27 mm	polished	1.4401	200 mm	4	34
A000814	35 mm	polished	1.4401	200 mm	4	34
A000815	24 mm	blank	steel	50 mm	4	34
A000816	27 mm	blank	steel	50 mm	4	34
A000817	35 mm	blank	steel	50 mm	4	34
A000818	24 mm	blank	steel	200 mm	4	34
A000819	27 mm	blank	steel	200 mm	4	34
A000820	35 mm	blank	steel	200 mm	4	34



For seperation steel and stainless steel components





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Installation Instructions - separation base

Option 1

Installation Instructions:

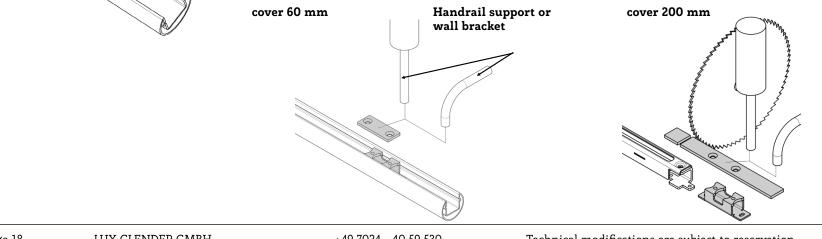
- Option 1: Separation base is welded to the handrail profile at the marked areas in the groove.
- Option 2: Separation base is fastened in the groove with 3x stainless steel ø 4 mm blind rivets.

The cover plate is attached to the separation base using either M6x8 or M6x10 countersunk screws. The cover plate, which has a length of 200 mm, can be adjusted in length if necessary.

The cover plate is available in stainless steel or steel version. Choose the appropriate material, according to the material of the support element.

The shape of the separating base allows electric cables and LED tapes to pass along the groove without having to interrupt the LED tape, for example.

The power feed or power supply can be routed through the separation base by drilling holes in the associated cover plate. For this application, utilize a hollow handrail holder, pipe bend, or pipe support. Ensure that the pipe has a sufficient cross-section to accommodate the cable and is properly deburred for smooth cable passage.



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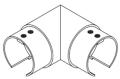
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Corner connector 90° and joint connector

Corner connector 90°

Item no.	For profile	Surface	Material	Туре
A000720	Lilly ø 42,4 mm	polished	1.4301	horizontal
A000721	Lilly ø 42,4 mm	polished	1.4301	vertical





Joint connector

Item no.	For profile	Surface	Material	Type
A000726	Lilly ø 42,4 mm	polished	1.4301	up
A000727	Lilly ø 42,4 mm	polished	1.4301	down





Installation Instructions:

• The corner or joint connectors can be secured by either screwing them into the profile or using a stainless steel adhesive for bonding.

IMPORTANT: Do not use these corner connectors and joint connectors as load-bearing components.

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Joint closures

Joint closures

Item no.	For profile	Surface	Material	Type	Lenght	Suitable for joint
A000822	Lilly ø 42,4 mm	polished	1.4401	up	85 mm	A000726
A000823	Lilly ø 42,4 mm	polished	1.4401	down	65 mm	A000727

Installation Instructions:

- The joint closure is first bent by hand or with the help of tools to the appropriate shape.
- Then, joint closure is simply placed in the profile groove and tightened with the help of wrench. The fastening screw is included in the scope of delivery.
- Press the joint lock in until it reaches the bottom of the groove, ensuring it can be tightened properly.
- The shutter can be inserted directly over the LED strip; there's no need to separate the LED strip. It's important to use only original parts of the shutter.

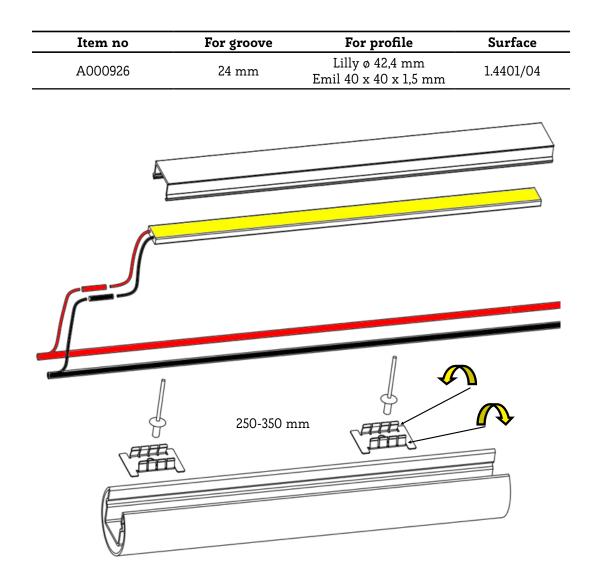
Disassembly instructions:

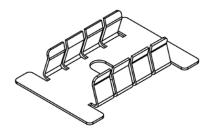
• Loosen the screw and pull the cap out of the groove. A flat screwdriver is helpful for disassembly.

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Retaining clip for cable and LED strip - groove 24 mm





The retaining clip for the cable and LED strip is primarily used to lay the cables next to the LED strip. Only one power supply is necessary for longer handrails.

- As an additional function, the LED strip can be held extra mechanically in the IP65 version.
- Retaining clips for cables are fixed with blind rivets or by tacking. The distance between the clips should be 250-350 mm.
- Cables (up to approx. ø 6 mm or 6 mm²) can be laid next to the LED tape, the cables are fixed by folding the tabs.
- Folding the tabs in the other direction additionally supports the LED strip against lowering.

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Groove tube - ring

Item no.	For profile	Surface	Material
A000983	Lilly ø 42,4 mm	blank	1.4401/04
A000984	Paula ø 48,3 mm	blank	1.4401/04
A000985	Nina ø 60,3 mm	blank	1.4401/04

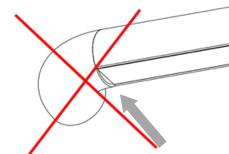


Grooved tube - ring is used with a LED handrail at the transitions between a round tube / tube bends and groove tube. The ring closes the gap between round tube and groove tube.

This groove tube - ring is suitable for the round tubes and bends with 2mm wall thickness. Other sizes on request.

Installation Instructions:

Insert the ring between the round tube / tube bend and the grooved tube and weld.



Then grind the weld seams.

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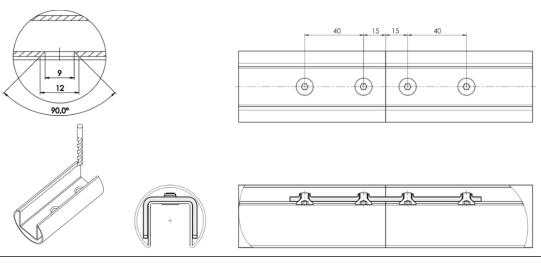
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Universal fixing bolt

Item no.	For slot	For profile	Material	L	A1	A2	М
A000022	24 mm	Lilly ø 42,4 mm	1.4401/04	130	10	40	M6
	24 IIIII	Emil 40 x 40 mm	1.1101/01	mm	mm	mm	
A000030	27 mm	Daula a 19.2 mana	1.4401/04	130	10	40	M6
A000030	27 11111	Paula ø 48,3 mm	1.4401/04	mm	mm	mm	
	25 mama	Nina ø 60,3 mm	1.4401/04	130	10	40	МС
A000021	35 mm	Ronny 60 x 45 mm	1.4401/04	mm	mm	mm	M6

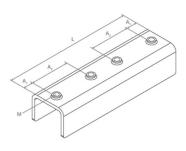
Incl. 4x countersunk screws ISO 10642 / DIN 7991 A4 M6x8

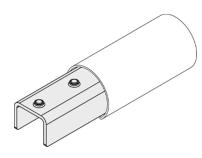
Universal connector enables hairpin joints without a waistband. Connection lies in the cavity of the profile and is invisible from the outside. The universal connector was dimensioned as a load-bearing component and successfully tested by the LGA (Landesgewerbeanstalt Bayern) up to 19 kN static load. If the joint is between two nozzles, the universal connector absorbs the forces of up to 19 kN without breaking.



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Installation Instructions:

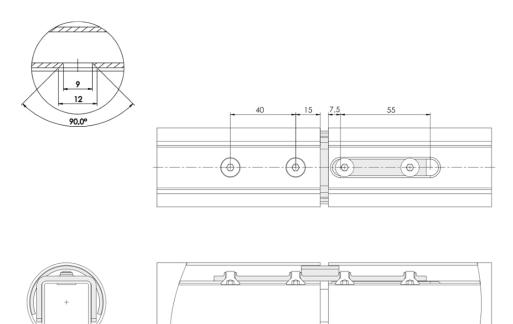
- The profiles are drilled through and countersunk on the inside of the groove. Countersunk head screws are more space-saving and must be used with all-glass railings and LED applications. Flat head or pan head screws can also be used for other applications.
- Refer to the sketch for the drilling distances or use our auxiliary template. The template makes your work easier, especially when working on the construction site.
- One side of the connector is pushed into one of the two profile pieces and screwed tight.
- Then the second tube is pushed in and screwed.

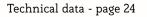
Universal fixing bolt with a clamp for expansion gap

Item no.	For profile	Material	L	A1	A2	М	В	s
A000028	Lilly ø 42,4 mm	1.4401/04	130 mm	10 mm	40 mm	M6	23	2
A000029	Paula ø 48,3 mm	1.4401/04	130 mm	10 mm	40 mm	M6	23	2
A000031	Nina ø 60,3 mm	1.4401/04	130 mm	10 mm	40 mm	M6	23	2
A000033	Emil 40 x 40 mm	1.4401/04	130 mm	10 mm	40 mm	M6	23	2
A000032	Ronny 60 x 45 mm	1.4401/04	130 mm	10 mm	40 mm	M6	23	2

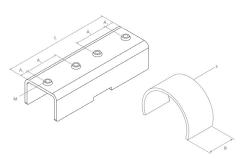
Incl. 4x countersunk screws ISO 10642 / DIN 7991 A4 M6x8.

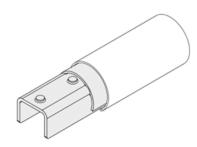
Universal fixing bolt with a clamp to adjust the gap caused by termal expansion.





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Installation Instructions:

- The tubes are drilled through and countersunk or milled on the inside of the groove. Countersunk head screws are more space-saving and must be used with all-glass railings and LED applications. Flat head or pan head screws can also be used for other applications.
- For the expansion joint, screw the universal connector tightly to one end of the profile, as with a hair pile. Then mill an elongated hole in the other end of the profile, which allows movement when the material expands.
- The clamp sits in a recess in the universal connector, but can also be attached to one end of the profile.
- We recommend an expansion joint every 12 m.

Handrail holder hollow and full

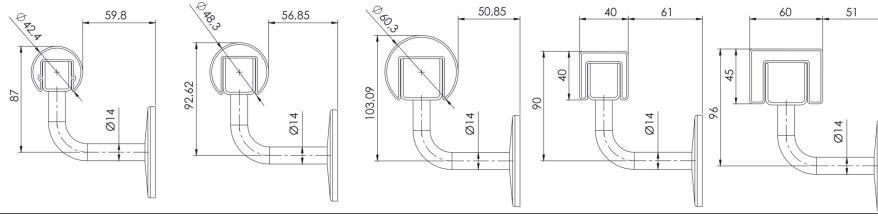
Item no.	For profile	H (mm)	T1 (mm)	T2 (mm)	A (mm)	F (mm)	D1 (mm)	d1 (mm)	D2 (mm)	d2 (mm)	Incl. rosette
A000247	All profiles	50	81	4	50	-	75	M6 counter- sunk	14	10	yes
A000248	All profiles	50	81	4	50	-	75	M6 counter- sunk	14	10	yes

Material: 1.4401/04

Maximum span				
Horizontal playload F		0,5 kN/m	1 kN/m	2 kN/m
No. 1 1 1 11 1	A000247	1,1 m	0,55 m	0,25 m
Maximum handrail holder span L	A000248	1,5 m	0,55 m 0,25 m	0,35 m

Note: This information only applies to LUX GLENDER handrail holders in conjunction with our supply brackets and handrail profiles.

Construction and assembly substrates or fastening materials are not taken into account for the maximum distances and must be designed and checked by the customer.



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with rosette

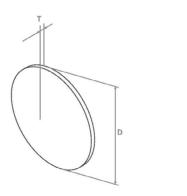


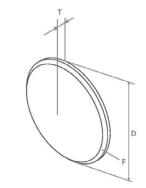
with rosette

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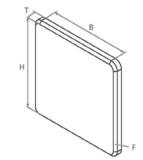
End cap for welding and screwing

Item no.	For profile	Material	Schape	Form	D	В	н
A000092	welding	Lilly ø 42,4 mm	1.4401/04	flat	42,4 mm	-	-
A000093	welding	Paula ø 48,3 mm	1.4401/04	flat	48,3 mm	-	-
A000090	welding	Paula ø 48,3 mm	1.4401/04	arched	48,3 mm	-	-
A000094	welding	Nina ø 60,3 mm	1.4401/04	flat	60,3 mm	-	-
A000091	welding	Nina ø 60,3 mm	1.4401/04	arched	60,3 mm	-	-
A000095	welding	Emil 40 x 40 mm	1.4401/04	flat	-	40 mm	40 mn
A000096	welding	Ronny 60 x 45 mm	1.4401/04	flat	-	60 mm	45 mn
A000214	screwing/ sticking	Lilly ø 42,4 mm	1.4401/04	flat	42,4 mm		
A000299	screwing	Paula ø 48,3 mm	1.4401/04	flat	48,3 mm		
A000300	screwing	Paula ø 48,3 mm	1.4401/04	arched	48,3 mm		
A000301	screwing	Nina ø 60,3 mm	1.4401/04	flat	60,3 mm		
A000302	screwing	Nina ø 60,3 mm	1.4401/04	arched	60,3 mm		
A000303	screwing/ sticking	Emil 40 x 40 mm	1.4401/04	flat		40 mm	40 mn









End cap options may vary.

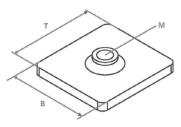
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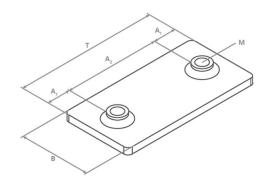
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Sliding block - simple and dual

Item no.	For profile	Material	В	Т	М
A000130	Lilly ø 42,4 mm Paula ø 48,3 mm	1.4571	28 mm	30 mm	M6
A000131	Nina ø 60,3 mm	1.4571	45,75 mm	25 mm	M6
A000132	Emil 40 x 40 mm	1.4571	35 mm	30 mm	M6
A000133	Ronny 60 x 45 mm	1.4571	55 mm	25 mm	M6

Item no.	For profile	Material	В	Т	A1	A2	М
A000138	Lilly ø 42,4 mm	1.4571	28 mm	60 mm	10 mm	40 mm	M6
A000134	Paula ø 48,3 mm	1.4571	30 mm	60 mm	10 mm	40 mm	M6
A000135	Nina ø 60,3 mm	1.4571	46 mm	60 mm	10 mm	40 mm	M6
A000136	Emil 40 x 40 mm	1.4571	35 mm	60 mm	10 mm	40 mm	M6
A000137	Ronny 60 x 45 mm	1.4571	55 mm	60 mm	10 mm	40 mm	M6





Notes

Sliding block enable a firm connection of handrail profiles and accessories, because the wall thickness of the handrail profiles does not even allow sufficient threads for M6 screws. Sliding block should also be used if the accessories are not welded directly to the handrail.

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