

SEEGER
architectural lighting



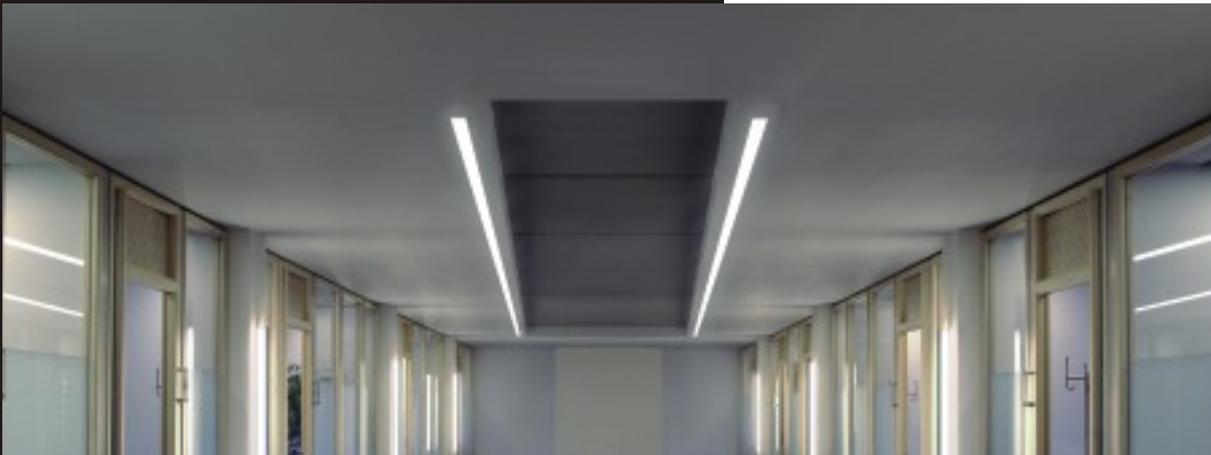
 **2011**

STORR Strip Lighting

Strip Lighting

Strip Lighting

Recess-mounted linear luminaires as individual luminaires or as a custom-length system are used in prestigious rooms and in thoroughfares. Strip lighting delineates an area and, if required, can serve to underline architectural lines or to provide homogenous illumination of general areas. The systems can be used in wall and ceiling areas.



Strip Lighting

Freely extendable lighting channel made of aluminium profile with different inserts. Suitable for vertical and horizontal mounting. Available as a frameless version or with a filigree all-round edge profile. Can be used to provide luminaire arrangements functioning as ambient lighting and/or as accent lighting. The cover of the strip lighting is made of opal acrylic with satinized surface. The miniaturised louvred luminaires have high-quality parabolic specular louvres made of aluminium. Spotlight systems and building technology components can be integrated into the system.



Strip Lighting

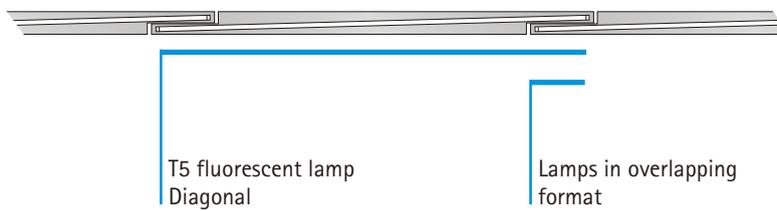
Lamp Overlap

When implementing the system, it is important to avoid the characteristic dark zones between one lamp and the next by overlapping the lamps.

Our system luminaires have been specially designed for this type of application. The illuminating surface of the diffuser is illuminated without any transitions or shadows.



Strip lighting with shadow-free acrylic lens

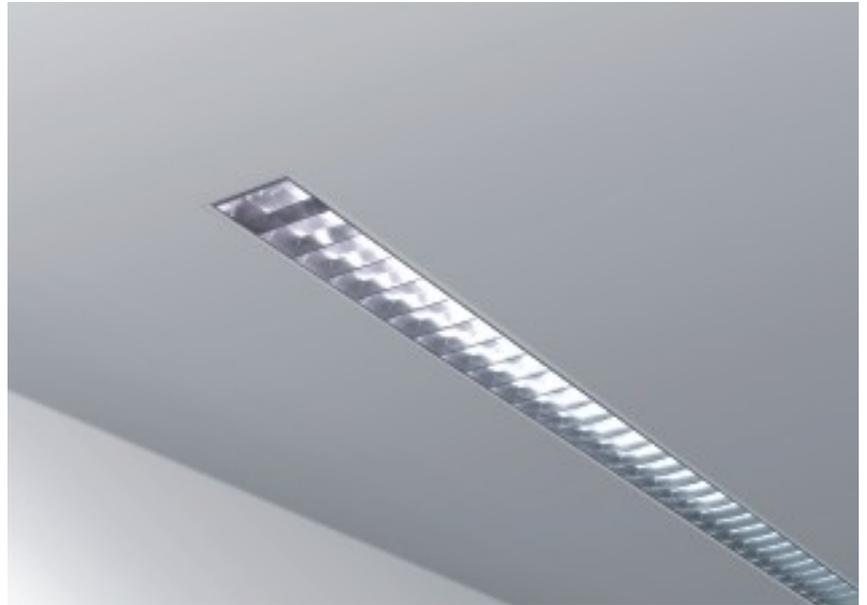
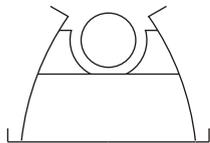


Diffuser

Cover designed as an acrylic diffuser. Satinized opal surface with high transmission factor for diffuse light distribution and glare-free light.

Parabolic Louvre

The parabolic louvres used are fitted as a continuously louvred strip with end plates. Our aluminium louvres are noted for their high efficiency and good glare control. They are suitable for use with computer workstations and for professional use in offices.



Strip lighting with parabolic louvre



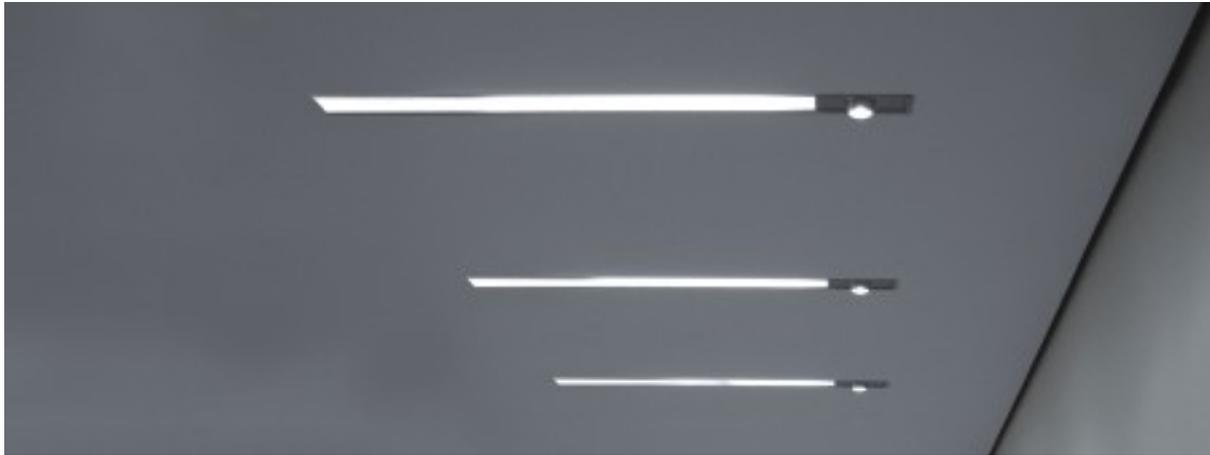
Can be fitted as a continuously louvred strip or positioned anywhere in the profile with blank covers over the empty elements.



Parabolic Louvre

Parabolic louvre with highly reflective surfaces. Aluminium with reflection-intensifying coating to increase the light output ratio. CAT 2

Strip Lighting



Dual Light

To provide scenic light, spot-light inserts are available. Highly diverse lighting moods can be created by using different light sources. Diffuse and pin-pointed light are combined as a double function in one luminaire that does not come to the fore itself. The even ambient light produced by the T5 fluorescent lamps is complemented by additional, independent lighting.

Spotlight Module

When combined with fixed or adjustable projection inserts, high vertical accentuation is possible. Light sources for the auxiliary lighting are halogen lamps in low voltage, ceramic HID lamps - such as BriteSpot Es50 - and LED.



Fixed luminaire inserts



Tiltable luminaire inserts

STORR



RAIL+



RAIL



Spot, fixed



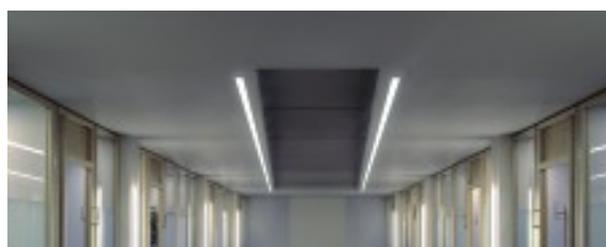
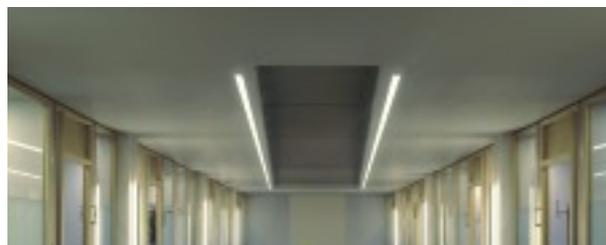
Spot, tiltable



T5 / LED Lighting Control

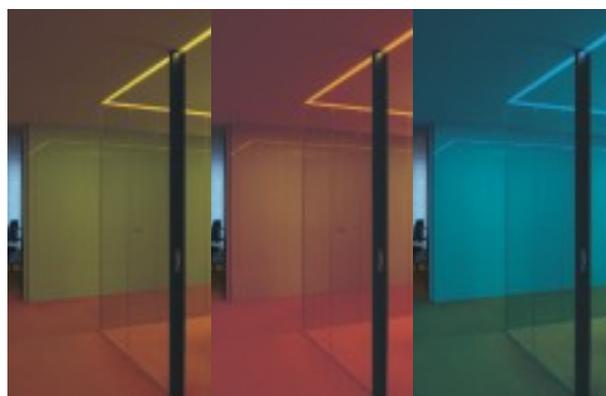
Altering the colour temperatures in line with the colour progression of natural light is, alongside brightness, the most significant factor when implementing biologically regulated light. In this way, periods of activity and rest can both be supported practically.

A program control with pre-defined light scenes up to and including dynamic colour temperature is possible as an optional extra.

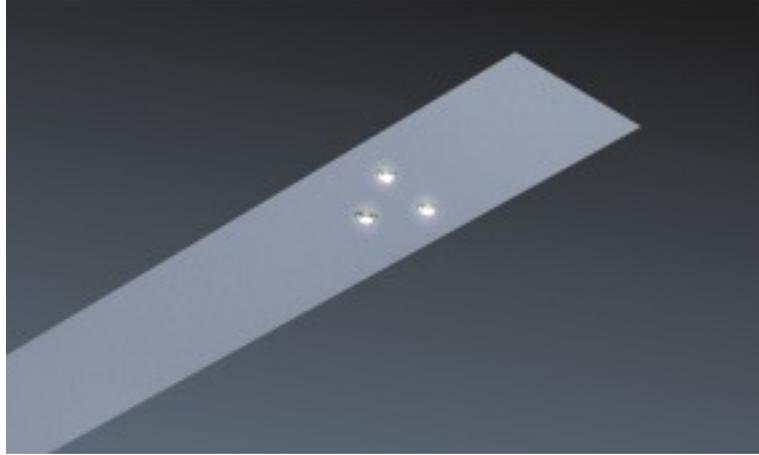


LED / RGB Strip Lighting

The additive colour mixing in infinitely adjustable colour spectra enable scenic colour changing, decorative and inspiring light or colour matching to suit the natural dynamics of our surroundings.



Strip Lighting



Safety Luminaires

Independent luminaire inserts with or without single batteries are integrated as system elements in a non-maintained circuit. A wide variety of wattages allows the emergency lighting units to be used as safety or secondary lighting. Rescue signs can be integrated in continuous circuits or into reference luminaires by using optical lighting accessories. Easy revision of the additional elements allows usage of single batteries.

LED Emergency Module

Specific components such as monitoring modules, AC/DC switching points, address modules and individual batteries can be integrated for the emergency lighting function.



Emergency lighting unit
single battery
with control LED



Monitoring component



Change-over relays



Multifunctional Luminaires

Holistic concepts in building engineering decrease construction costs and increase flexibility. Here multifunctional luminaires offer a solution through an increased system integration without affecting the interior design. System adaptors or complete system elements realize the connection to building engineering. Project related realization should be clarified in detail.

STORR



RAIL+



RAIL



Air-conditioning technology



Sensor



Loudspeakers



Fire alarm detectors



Water sprinkler preparation



Fire Alarm Detectors

In principle conventional fire alarm detectors can also be integrated as a system element into the multifunctional luminaires. To ensure conformity with the current German VDE guidelines, the possibility of integration must be checked in detail and must be confirmed by the fire alarm detector manufacturer with a certificate of compliance (German regulation for the German market).

Water Sprinkler

System adaptors allow the installation of a covering plate with 50mm cut out hole. Avoiding frictional connected luminaire the installation of suspended screen sprinklers and the supply of the sprinkler pipes can be realized.

A certificate of compliance by the water sprinkler manufacturer is recommended.

Tone

Wide band loudspeakers are available as a system element. They integrated, aligned and reversible through bayonet lock.

Special Equipment

Besides the mentioned basic elements further technical elements can be integrated in addition to the indicated basic modules. This includes: video monitors; alarm and sensor technology; revision elements for control valves and maintenance elements.

Air Conditioning Technology

In addition to the harmonious design styling, the combination

of air conditioning and lighting technology also reduces installation time by reducing the ceiling cut-outs. System adaptors allow the integration of additional elements at the same time fulfilling various climatic demands. A spatial separation of individual technical elements guarantees highly efficient individual functions. Controllable integration of air input and output.

Strip Lighting with Frame

Various mounting options are available for installation purposes. Please see below for an overview of the most commonly used systems. Project specific solutions are also possible and are solved by our design team.

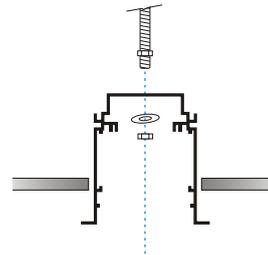
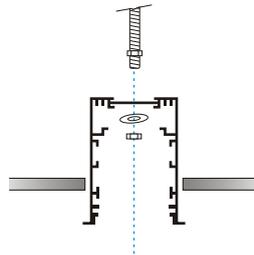
RAIL

STORR



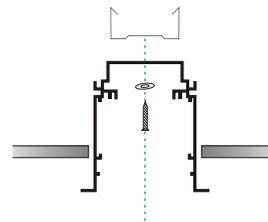
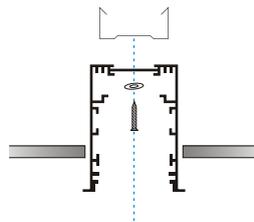
SYSTEM K
Mounting on stud bolts

Screw fixing for cut ceiling systems, for retro-fitting on threaded bar.



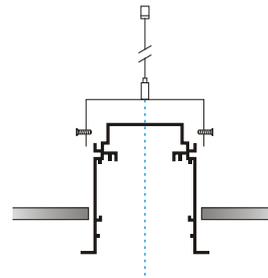
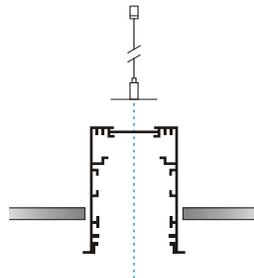
SYSTEM H
Mounting on auxiliary construction

Screw fixing for cut ceiling systems, for retro-fitting on a previously installed mounting construction.



SYSTEM B
Wire rope suspension with rapid connector system

Wire-rope suspension for mounting the luminaire to the bare ceiling. For retro-fitting to suspended ceiling.

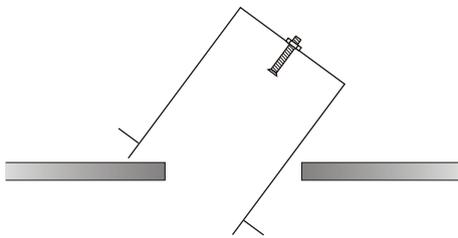




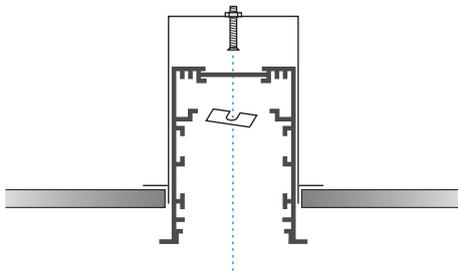
SYSTEM M
Mounting with
stirrup M

Bracket-mounting for cut ceiling systems for retro-fitting on a suspended-ceiling construction to be fabricated on-site.

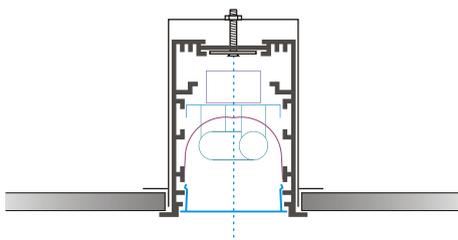
- 1 Insert the mounting bracket into the ceiling cut-out and secure in position



- 2 Insert the mounting plate



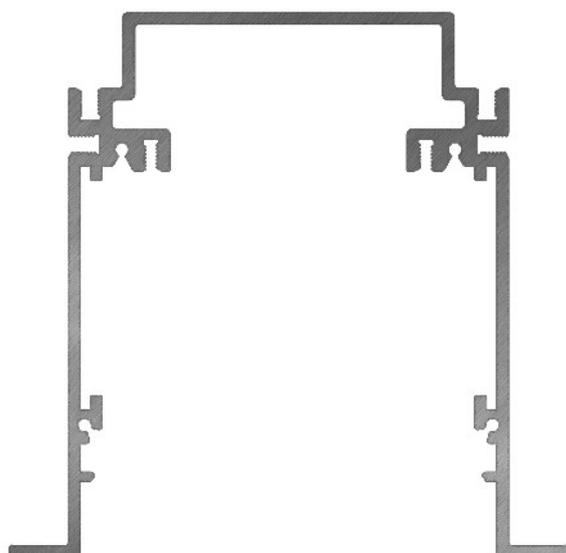
- 3 Tighten screw



- 4 Connect the equipment carrier, screw in place, fit the lamps and check proper operation.





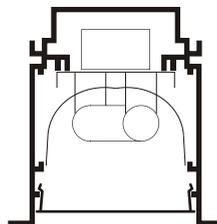
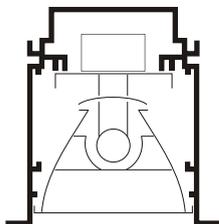


STORR Strip Lighting

Strip Lighting Installation Profile

Special tasks require special solutions. The use of rigid aluminium profiles enables a wide variety of design possibilities. Clean transitions, horizontal or vertical corners, connectors, different lens systems and various luminaire inserts give the creative mind much freedom for design and are the basis for giving rooms a complete new feel.





STORR

Individual lighting design with this lighting channel for recessed ceiling installation. The housing is made of extruded aluminium profile and has a narrow edge frame all-round to cover the edge of the ceiling cut-out. The wide range of accessories provides various options for fitting out the channel. In addition to fluorescent elements covered with parabolic louvres or diffusers, low-voltage inserts and LED inserts offer emotive lighting accents. The use of clip-on aluminium covers allows the luminaire insert to be positioned anywhere within the lighting strip.



Parabolic Louvre

Parabolic louvre with highly reflective surfaces. Aluminium with reflection-intensifying coating to increase the light output ratio. CAT 2



Diffuser

Cover designed as an acrylic diffuser. Satinized opal surface with high transmission factor for diffuse light distribution and glare-free light.

STORR Strip Lighting

► Individual Luminaire

As a design aid we distinguish between individual luminaires and system luminaires. Individual luminaires are ready-to-connect one-piece units. They are prepared for installation as per mounting system H. The delivery includes the system related accessories including the end plates, the electrical components and the lens system.

Mounting Systems:



SYSTEM K
Mounting on
auxiliary construction



SYSTEM H
Mounting on
stud bolts

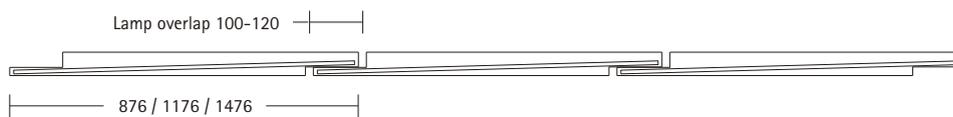


SYSTEM M
Mounting with
stirrup

Unit length for STORR luminaire row:

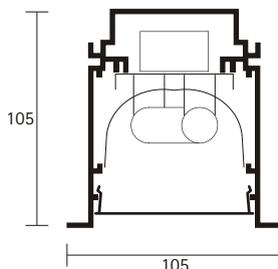


Unit length for STORR strip lighting:



STORR Strip Lighting

Individual luminaires made of sharp-edged extruded aluminium profile with an all-round trim overlapping onto the ceiling. Complete luminaire with integrated MultiPower electronic control gear. Equipped for T5 fluorescent lamps, optionally HO or HE. Wired ready-to-connect with heat resistant cable. Luminaire cover optionally available with computer-workstation compatible aluminium parabolic louvre or with wide-beam, opal, acrylic diffuser.



			T16 HO 	39W G5	49W G5	54W G5	80W G5
			T16 HE 	21W G5	28W G5	35W G5	

							Version					
							Parabolic louvre	Acrylic diffuser	White	Silver C3	Made to RAL	Anodized aluminium
Article No. ECG Lamp version												
Single luminaire												
	ED=105x 900mm	CCO=85x 884mm	1700.121	.-02	1 x 1 x T16	21/39W	●		●	○	○	○
	ED=105x1200mm	CCO=85x1184mm	1700.128	.-02	1 x 1 x T16	28/54W	●		●	○	○	○
	ED=105x1500mm	CCO=85x1484mm	1700.135	.-02	1 x 1 x T16	35/49/80W	●		●	○	○	○
	ED=105x1776mm	CCO=85x1760mm	1700.221	.-02	2 x 1 x T16	21/39W	●		●	○	○	○
	ED=105x2376mm	CCO=85x2360mm	1700.228	.-02	2 x 1 x T16	28/54W	●		●	○	○	○
	ED=105x2976mm	CCO=85x2960mm	1700.235	.-02	2 x 1 x T16	35/49/80W	●		●	○	○	○
Single luminaire												
	ED=105x 900mm	CCO=85x 884mm	1701.121	.-02	1 x 1 x T16	21/39W		●	●	○	○	○
	ED=105x1200mm	CCO=85x1184mm	1701.128	.-02	1 x 1 x T16	28/54W		●	●	○	○	○
	ED=105x1500mm	CCO=85x1484mm	1701.135	.-02	1 x 1 x T16	35/49W		●	●	○	○	○
	ED=105x1556mm	CCO=85x1540mm	1701.221	.-02	2 x 1 x T16	21/39W		●	●	○	○	○
	ED=105x2156mm	CCO=85x2140mm	1701.228	.-02	2 x 1 x T16	28/54W		●	●	○	○	○
	ED=105x2756mm	CCO=85x2740mm	1701.235	.-02	2 x 1 x T16	35/49W		●	●	○	○	○
	ED=105x3112mm	CCO=85x3096mm	1701.328	.-02	3 x 1 x T16	28/54W		●	●	○	○	○
	ED=105x4012mm	CCO=85x3996mm	1701.335	.-02	3 x 1 x T16	35/49W		●	●	○	○	○
Ceiling thicknesses > 12mm Width of cut-out 88mm			1700.080		Stirrup-M							



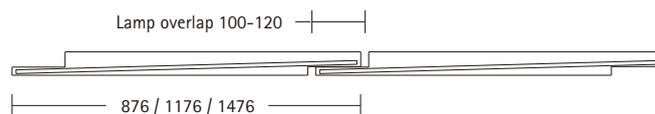
STORR Strip Lighting

A system luminaire installation as a modular toolbox, consisting of sharp-edged, drawn aluminium extrusions in trimless design or in a version with a narrow, all-round edge frame. Mounting strips with integrated MultiPower electronic control gear. Equipped for T5 fluorescent lamps, optionally HO or HE. Prewired with heat-resistant cable and ready-to-connect. Luminaire cover is optionally available with computer-workstation compatible aluminium parabolic louvre or with wide-beam, opal, acrylic diffuser.

► Louvre Spacing

The various louvre dimensions are dictated by the different lamp positions. With individual luminaires and with system luminaires that have louvres there is no overlapping arrangement of the fluorescent lamps. Therefore the construction dimension = lamp length plus lampholder.

Unit length for STORR strip lighting:



Unit length for STORR luminaire row:

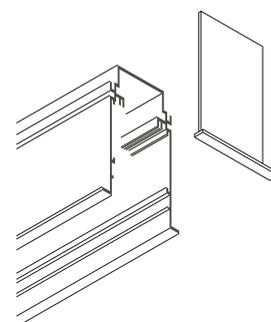
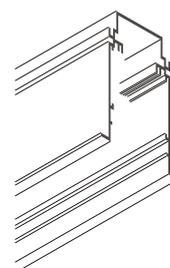
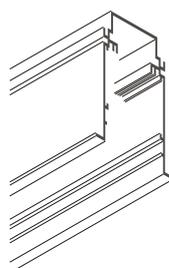


► **System Luminaire**

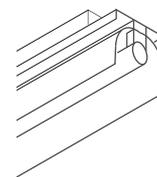
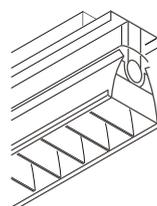
Lighting channel system designed as a custom-length luminaire with which different system components can be individually combined. This makes it possible for luminaire arrangements that delineate a room or area to be realised according to the designer's plans. The detailed design-work for such a system can be done directly and easily.

System Luminaire Options:

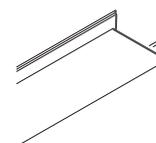
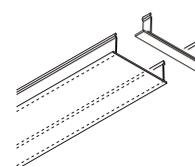
Luminaire profile, empty
- Profile with edge frame



Light Unit
- Unit with parabolic louvre
- Unit with reflector for fluorescent lamp
- Unit with reflector for overlapping lamps



Luminaire Cover
- Blank aluminium profile
- Acrylic diffuser

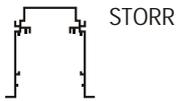


Operating Equipment Order Codes

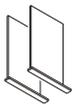
- .01 Low-loss control gear
- .02 Electronic control gear
- .03 Dimmable ECG 1-10 volt
- .04 2 x individual ECG
- .05 2 x dimmable ECG 1-10 volt
- .10 Dimmable ECG DALI
- .11 2 x dimmable ECG DALI

Colour Key

- .-14 Anodized aluminium
- .-20 Made to RAL
- .-23 Silver C3
- .-25 Titanium silver
- .-31 White
- .-32 Matt white



STORR



End cover
Art. No. 1712.099



T-connector
Art. No. 1712.095



L-connector
angle 90°
Art. No. 1712.093



L-connector
Special angle
Art. No. 1712.090



Straight connector
Art. No. 1712.098



Spacing cover
Art. No. 1714.099



Mounting brackets, System M
1700.080 For ceiling thicknesses 12mm
Width of cut-out 88mm



Wire-rope suspension, system B
1712.111 wire rope L= 1000mm
1712.112 wire rope L= 2000mm



Wire-rope suspension with canopy and cable
1712.121 wire rope L= 1000mm
1712.122 wire rope L= 2000mm

► System Components

The system components shown here are just a small excerpt of the current range of accessories that are available. More detailed design documents and an overview of the entire product range can be downloaded from our homepage as PDF files.

Mounting Systems:



SYSTEM K
Mounting on
auxiliary construction



SYSTEM H
Mounting on
stud bolts



SYSTEM M
Mounting with
stirrup



Through-wiring

3-pole	Butted lamps
1720.321	for luminaire insert 21W
1720.328	for luminaire insert 28W
1720.335	for luminaire insert 35W

3-pole	Overlapping lamps
1722.321	for luminaire insert 21W
1722.328	for luminaire insert 28W
1722.335	for luminaire insert 35W

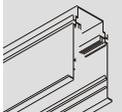
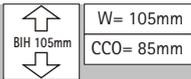
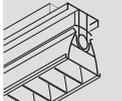
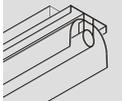
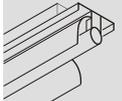
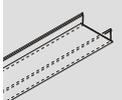
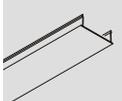


5-pole	Butted lamps
1720.521	for luminaire insert 21W
1720.528	for luminaire insert 28W
1720.535	for luminaire insert 35W

5-pole	Overlapping lamps
1722.521	for luminaire insert 21W
1722.528	for luminaire insert 28W
1722.535	for luminaire insert 35W

► To specify the profile's length, the placeholders ".xxx" are replaced by the length in cm.

Ordering example:
Empty profile STORR
Length 3100mm in white would be:
Art. No.: 1710.310.32

		Article No.		Lamp version		Version					
						Anodized E6EV1	White	Made to RAL	Not dimmable	DALI, dimmable	1-10 volt, dimmable
STORR with frame											
		1710.xxx	Empty profile in metres			<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>			
		1710.000	Sawn to size			<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>			
Luminaire insert with parabolic louvre											
	Length 875mm	1720.121	.-02	1 x T16	21/39W				<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Length 1175mm	1720.128	.-02	1 x T16	28/54W				<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Length 1475mm	1720.135	.-02	1 x T16	35/49/80W				<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Luminaire insert with reflector (without diffuser)											
	Length 875mm	1721.121	.-02	1 x T16	21/39W				<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Length 1175mm	1721.128	.-02	1 x T16	28/54W				<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Length 1475mm	1721.135	.-02	1 x T16	35/49/80W				<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Overlapping lamp arrangement											
	Length 875mm	1722.121	.-02	1 x T16	21/39W				<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Length 1175mm	1722.128	.-02	1 x T16	28/54W				<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Length 1475mm	1722.135	.-02	1 x T16	35/49/80W				<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Acrylic diffuser											
	1714.xxx	Empty profile in metres									
	1714.000	Sawn to size									
Blank aluminium cover											
	1715.xxx	Empty profile in metres				<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>			
	1715.000	Sawn to size									

Imprint

SEEGER

Technische Leuchten e. K.
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