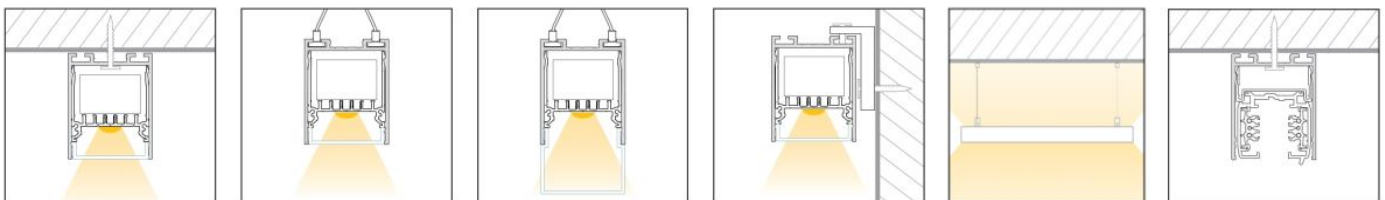


Florenz 4050 luminaire profile

- high-quality aluminium profile, anodized, natural tone or powder-coated in white (RAL 9016) or black (RAL 9005)
- can be used flexibly as a surface-mounted or luminaire profile
- direct and indirect (continuous) lighting solution
- improved clip-in technology of the multifunctional insert
- power supply units with a form factor of 30 x 21 mm can be integrated
- a homogeneous light line is possible in conjunction with the opal white diffusers and the appropriate LEDlight flex (up to pitch 13)
- further RAL powder coatings on request



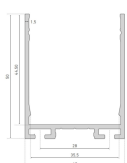
Please refer to the notes on expansion and assembly at the end of the data sheet!



ALUMINIUM PROFILE

	62390002	62390002_9005	62390002_9016
Description	Florenz 4050 luminaire profile		
Mounting type	angle bracket; surface-mounted; cable suspension		
Colour	aluminium	black RAL 9005	white RAL 9016
Length	2010 mm		
Width	40 mm		
Height	50 mm		
Material	Aluminium EN AW 6060		
Finish	anodised	powder-coated	

For other lengths please replace the last digit of the article number by: 3 = 3.02m / 5 = 5.03m



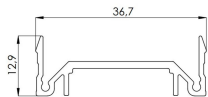
INSERT PROFILE

	62390012	62390013	62390015
Description	Florenz 40/60 insert profile		
Material	Aluminium EN AW 6060		
Finish	anodised		
Colour	aluminium		
Length	2010 mm	3020 mm	5030 mm
Width	36 mm		
Height	35,65 mm		
Remarks	for mounting LED strips		



INLAY POWER RAIL

	62390092
Description	Adapter for 3-phase 230 V track, suitable for Nordic Aluminium GLOBAL Trac Pro XTS, Stucchi ONETRACK ADVANCE, EUTRAC 3~Aufbauschiene Standard
Material	Aluminium EN AW 6060
Finish	anodised
Colour	aluminium
Length	2010 mm
Width	36,7 mm
Height	12,9 mm



DIFFUSERS

	62398952	62398962	62398972	62399662	62399682
Description	Diffuser clear, for maximum light yield and protection of the LED strip	Diffuser opal, for a homogenous and glare-free light distribution	Diffuser satined, for a diffused light distribution and concealment of the technology	Diffuser high, opal, 180°, for an all-round homogenous light distribution	Diffuser prisma, to reduce the dazzling effect
Material	PMMA				
Version	clear	opal white	satined	opal white	prisma
Transmission in %	91	77	84	77	91
Length	2010 mm				
Width	37,3 mm			40 mm	35,9 mm
Height	8,5 mm			33,6 mm	8,5 mm

For other lengths please replace the last digit of the article number by: 3 = 3.02m / 5 = 5.03m



DIFFUSERS INDIRECT

	62398202	62398212	62398222
Description	Diffuser flat, clear, for maximum light yield and protection of the LED strip	Diffuser flat, opal, for a glarefree light distribution and concealment of the technology	Diffuser flat, satined, for a diffused light distribution and concealment of the technology
Material	PMMA		
Version	clear	opal white	satined
Transmission in %	98	76	92
Length	2010 mm		
Width	15,6 mm		
Height	3,8 mm		

BLIND COVER

	62390112	62390112_9005	62390112_9016
Description	Florenz 40 blind cover		
Colour	aluminium	black RAL 9005	white RAL 9016
Length	2010 mm		
Width	40 mm		
Height	9,3 mm		
Material	Aluminium EN AW 6060		
Finish	anodised	powder-coated	

For other lengths please replace the last digit of the article number by: 3 = 3.02m / 5 = 5.03m

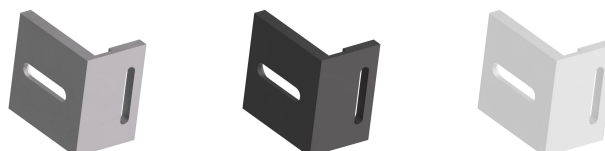
END CAPS

	62390006	62390006_9005	62390006_9016
Description	Florenz 4050 end cap set		
Material	Aluminium EN AW 6060		
Colour	aluminium	black RAL 9005	white RAL 9016
Length	2 mm		
Width	40 mm		
Height	50 mm		



ANGLE BRACKETS

	62390007	62390007_9005	62390007_9016
Description	Florenz 4050 angle bracket		
Material	aluminium		
Colour	aluminium	black RAL 9005	white RAL 9016
Length	40 mm		
Width	40 mm		
Height	17,5 mm		
Remarks	for 90° wall mounting		



ACCESSORIES

	62390090	62390097	62390098
Description	Cable grommet	Florenz 40/60 profile connector 90°	Florenz 40/60 profile connector, straight
Material	EPDM	304 stainless steel	
Colour	black		
Length	9 mm	65,8 mm	80 mm
Width		65,8 mm	8,5 mm
Height		2 mm	
Diameter	19 mm		

	62390091	62390091_9005	62390095	62390096
Description	Florenz 40/60 Y-cable suspension, nickel-plated	Florenz 40/60 Y-cable suspension black	Florenz 40/60 suspension cable	Florenz 40/60 suspension cable black
Finish	nickel-plated		nickel-plated	
Colour		black RAL 9005		black
Length	3000 mm		5000 mm	
Width	1,2 mm			
Remarks	set of 2, incl. ceiling fastener Load capacity 12 kg per cable		1 piece Load capacity 12 kg per cable	



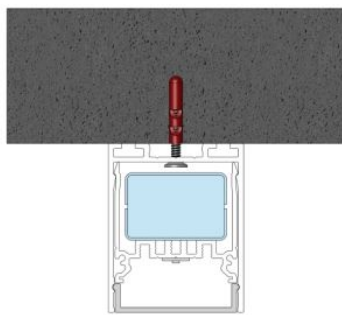
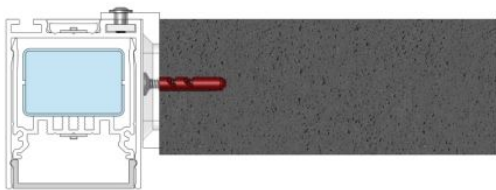
All aluminium profiles and covers are subject to certain length tolerances. This is +20/-0 mm irrespective of the length, i.e. a profile has at least the specified length, but can be up to 20 mm longer.

If you require an exact length, please specify this when ordering (article number 62397000).

Please note that the materials aluminum and PMMA can expand when the temperature changes vary greatly. With a temperature change of 20°C the expansion difference can be up to 1.2 mm per meter! This is no deficiency of the product but a normal physical process.

Installation note: If you directly install two aluminum profiles edge to edge (without end caps), please pay attention during installation, that you don't glue the LED strip directly over the joint, since the profiles at temperature fluctuations - especially at large lengths - will expand/contract (s. section 1) and then the LED tape may be damaged. At joints the LED strip has to be cut at the marked positions and reconnected with flexible solder bridges with corresponding expansion reserve (min. 5mm).

Installation situations



Picture similar

Intended Use

Profile:

- The LED profiles are a component for the reception of LED strips approved for this purpose. In combination with optional accessories such as covers, end caps, inserts, etc., LED luminaires can be produced which are used exclusively for general lighting or accent lighting and therefore do not serve emergency or safety lighting in particular.
- The assembly is carried out via appropriate holders or suspensions, which are offered as accessories. For brackets we recommend 3 brackets per running meter. The profiles are designed for mounting on a stable and straight surface. Depending on the substrate and local conditions, a higher number of brackets may be required and/or the installation material supplied (screws/plugs) must be replaced with suitable mounting material. The brackets must not be bent during assembly, as this has an influence on the holding force. It may not be possible to use the holders provided. Alternatively, the profile can be screwed directly to the substrate. In any case, the installer must ensure that the system is held securely.
- Make sure that the profile expands due to thermal influences. Sufficient space must be kept available for this purpose..
- The mounting instructions for the LED strips and power supplies must be viewed separately.
- The profile is to be used exclusively for the above shown installation situations.

Covers:

- All plastic covers made of PMMA have first-class photometric properties, but are very brittle due to the material, which means that the cover can splinter when subjected to mechanical influences (bending, sawing, other processing). There is a risk of injury, wear safety glasses and gloves! Plastic covers made of PC are not affected.
- PMMA or PC have a higher coefficient of thermal expansion than aluminium. This means that light slits may appear at the joints and terminations of the plastic covers, especially when the unit is not yet at operating temperature..
- To ensure that the cover is held securely, it must be clipped into the holding groove provided for this purpose along its entire length. In any case, the installer must ensure that the system is held securely.
- Alcoholic detergents remove plasticizers from the plastic profiles, which means that they lose their flexibility and can form cracks even when installed. We recommend cleaning only with a damp (clear water), soft cloth.

Accessories (end caps, holders, etc.):

- An LED profile and its accessories are not toys - these components may only be operated by persons who can assess the risks involved in handling them. There is a danger of swallowing small parts.

NOTES

Press marks or slight scratches on profiles are production-related and do not constitute a defect.

Loose, wipeable impurities may appear on the aluminum and plastic profiles. This is due to the production and its handling and does not represent a defect. We generally recommend cleaning the profiles with a soft, lint-free cloth (if necessary with a little clear water) before installation. The LED bonding surface must also be free of grease to ensure good adhesion of the LED strip. Corresponding information can be found in the instructions for the LED strips.

The adhesion of our LEDlight flex strips to the profiles we offer and their different surfaces has been tested and can be ensured if the processing instructions are followed. If there are adhesion problems between LED strips and aluminum profiles, we recommend pre-treatment with the adhesion promoter "3M™ Tape Primer 94".

The guarantee period for the product is 5 years and begins on the day of shipment. Reference is the date of the delivery bill. The guarantee period may differ for accessories.