

GARgano aluminium profile

- high quality aluminium profile, anodised
- flexibly useable as surface-mounted or luminaire profile; very flat design
- due to the half-round cover the profile is barely visible and therefore ideal for integration into furniture or suitable as a luminary
- in combination with an opal white cover and compatible LEDlight flex, a homogenous light distribution can be achieved
- RAL powder coating on request



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

ALUMINIUM PROFILE

	62399901	62399902	62399903	62399905
Description	aluminium anodized			
Length	1000 mm	2010 mm	3020 mm	5030 mm
Width	17,9 mm			
Height	9,5 mm			
Material	Aluminium 6063			

COVER

	62396901	62397901	62398901
Description	Diffuser semi-circular, satined, for a diffused light distribution and concealment of the technology	Diffuser semi-circular, opal, for a homogenous and glare-free light distribution	Diffuser semi circular, clear, for maximum light yield and protection of the LED strip
Material	PMMA		
Version	satined	opal white	clear
Transmission in %	85	69	92
Length	1000 mm		
Width	20 mm		
Height	10 mm		

	62389961	62395901
Description	Diffuser clear, 30° lens for a directed light focus	Diffuser circular, high, opal, for glarefree light distribution
Material	PMMA	
Version	klar 30°	opal white
Transmission in %	92	69
Length	1000 mm	
Width	20 mm	27 mm
Height	10 mm	27 mm

For other lengths please replace the last digit of the article number by: 2 = 2.01m / 3 = 3.02m / 5 = 5.03m



END CAPS

	62399912	62399962	62399963
Description	2x GARgano end cap grey	2x GARgano Endkappe schraublose Sichtfläche	2 x GARgano Endkappe weiß, für Abdeckung 6239590x
Material	plastics	Aluminium EN AW 5052	plastics
Colour	silber	Aluminium	weiß
Length	6,2 mm	2 mm	1,5 mm
Width	22,5 mm	20,32 mm	30,6 mm
Height	15,56 mm		34,9 mm



MOUNTING CLIPS

	62399906	62399914	62399916	62399918	62399920	62399935
Description	holding set, 2x brackets + 2x screws, 306 stainless steel, suitable for GARgano, GARliano, CATania profile	2x brackets, incl. 4 screws, dimensions: 34 x 13 x 5mm, suitable for GARgano, GARliano profile	2x brackets for concrete walls, incl. 4 screws and anchor bolt, suitable for GARgano, Walllight 2.0	1x supermagnet holder incl. locking screw, suitable for GARgano, GARliano profile	2x 45°-clips for mounting in corner, transparent, incl. screws, suitable for GARgano, GARliano profile	2x 45°-clips for mounting in corner, transp., incl. 4 dowels + 4 screws, for GARgano, GARliano profile
Material	304 stainless steel	polycarbonate		steel;NdFeB	polycarbonate	plastics
Length	40 mm	34,2 mm		45 mm	34,2 mm	
Width	13,5 mm	13 mm		11,7 mm	16 mm	
Height	4 mm	5,4 mm		2 mm	15,2 mm	



ACCESSORIES

	62399908	62399919	62399936	65400100	65400150
Description	1x vandal-proof mounting, aluminium, anodised, the alu-profile is fixed to the mounting with a hex key	1x profile connector, incl. locking screws, suitable for GARgano, GARliano, CATania profile	1x profile 90°-connector, incl. 2 locking screws, suitable for GARgano, GARliano profile	suspension for ceiling installation (2x 150cm wire cable Ø 1mm with M4 thread, 2x mounting plates, 2x suspension brackets)	suspension for ceiling installation (4x 150cm wire cable Ø 1mm with M4 thread, 4x mounting plates, 4x suspension brackets) for profile lengths > 3m
Material	aluminium	steel		stainless steel	
Finish	anodised	nickel-plated	galvanized	chrome-plated	nut treated
Colour	aluminium	silver grey		silber	
Length	40 mm	45 mm	30,4 mm	1500 mm	
Width	27 mm	10 mm	30,4 mm		
Height	5 mm	2 mm			



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



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.

In addition, contact points may occur in the middle area of the profiles (>3m) due to anodizing.

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.