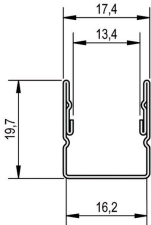**Barthelme**
LED Solutions

BARdolino stainless steel 316L profile

- high quality surface-mounted stainless steel (316L) profile
- corrosion-resistant to natural environmental influences as well as moderate concentrations of chlorine (max. 2 mg/l) and salt
- especially suitable for use in the maritime, wellness, swimming pool and industrial sectors (e.g. food and pharmaceutical industry)
- in combination with an opal white cover and compatible LEDlight flex, a homogenous light distribution can be achieved

STAINLESS STEEL PROFILE (316L)

	62398502	62398505	62398510	62398520	62398529	62398530
Description	Edelstahlprofil					
Length	250 mm	550 mm	1000 mm	1990 mm	2890 mm	3000 mm
Width	17,4 mm					
Height	19,7 mm					
Material	316L stainless steel					
Finish	nut treated					

COVER

	62399301	62399311	62399351	62399371	62399401
Description	Diffuser opal, for a homogenous and glare-free light distribution	Diffuser opal, walkable up to 500 kg, break-proof/impact resistant	Diffuser reflector, opal, for up to 20% more effective lumen yield	Diffuser satined, for a diffused light distribution and concealment of the technology	Diffuser clear, for max. light yield and protection of the LED strip
Material	PMMA				
Version	opal white			satined	clear
Transmission in %	69			85	92
Fire protection class	B2 DIN4102				
Length	1000 mm				
Width	14,8 mm				
Height	8 mm		15,1 mm	8 mm	

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

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Date: 08.2024, Revision: 1.7
Subject to technical changes and errors.

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END CAPS

	62399146	62399147
Description	1x BARdolino endcap, stainless steel (V4A)	1x BARdolino endcap with 8mm drill hole, stainless steel (V4A)
Material	316L stainless steel	
Colour	Edelstahl	
Length	1 mm	
Width	18 mm	
Height	20 mm	

MOUNTING CLIPS

	62399148
Description	BARdolino mounting clip set, 2 holding clips + 2 screws, stainless steel (V4A)
Material	316L stainless steel
Length	100 mm
Width	70 mm
Height	15 mm

ACCESSORIES

	62399149	63500040	63500041
Description	thread for cable M8, stainless steel (V4A), for cables Ø 3.5-5.0mm, suitable for BARdolino Edelstahl profile	adhesive for stainless steel, 2K epoxy 3g, manual mixture, incl. mixing pad and mixing rod, suitable for BARdolino Edelstahl profile	structure instant adhesive for stainless steel, 2K, 50ml mixture through mixing nozzles, incl. 5 mixing nozzles, suitable for BARdolino Edelstahl profile

	63500042	63500043
Description	replacement of static mixing nozzles for structure instant adhesive, suitable for BARdolino Edelstahl profile	adhesive spray gun for dosing of structure instant adhesive, suitable for BARdolino Edelstahl profile

Intended Use

Profile:

- The LED profiles are a component for the reception of LED strips approved for this purpose. In combination with

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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.r
- 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.

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