Barthelme
LED Solutions

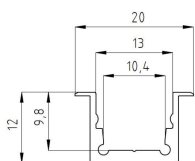# BARdolino Midi aluminium profile T

- high quality LED profile made of aluminum, anodized, natural tone or black
- recessed profile in compact design and low installation depth
- optimized for versatile use in furniture, store and trade fair construction; can be integrated inconspicuously depending on the application
- in combination with the opal white cover and the appropriate LEDlight flex (< pitch 8), a homogeneous light line is possible
- RAL powder coating on request

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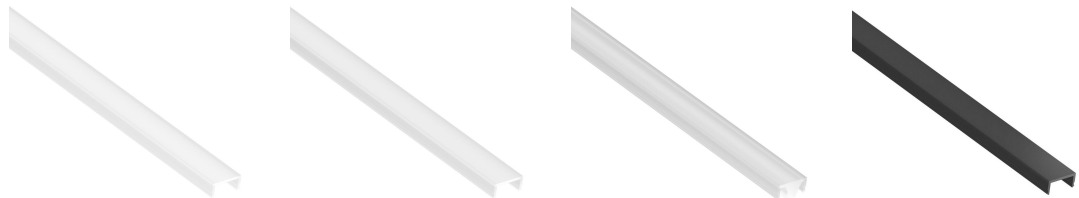
ALUMINIUM PROFILE

	62378151	62378152	62378153	62378155	62378191	62378192	62378193
Colour	aluminium	natur			black		
Length	1000 mm	2010 mm	3020 mm	5030 mm	1000 mm	2010 mm	3020 mm
Width	20 mm						
Height	12 mm						
Material	Aluminium EN AW 6060						
Finish	anodised						
Remarks	This profile is intended for flush mounting in e.g. furniture. To keep the installation depth as low as possible, the profile is installed without retaining clips and must be glued in place by the customer.	Dieses Profil ist für den flächenbündigen Verbau in z.B. Möbeln vorgesehen. Um die Einbautiefe möglichst gering zu halten wird das Profil ohne Halteklammern verbaut und muss bauseits eingeklebt werden.			This profile is intended for flush mounting in e.g. furniture. To keep the installation depth as low as possible, the profile is installed without retaining clips and must be glued in place by the customer.	Dieses Profil ist für den flächenbündigen Verbau in z.B. Möbeln vorgesehen. Um die Einbautiefe möglichst gering zu halten wird das Profil ohne Halteklammern verbaut und muss bauseits eingeklebt werden.	

20
13
10,4
12
9,8

COVER

Date: 02.2024, Revision: 1.4
Subject to technical changes and errors.

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	62378011	62378021	62378031	62378161
Description	BARdolino Midi cover PMMA satined	BARdolino Midi cover, PMMA, opal white	BARdolino Midi cover PMMA satined asymmetric	BARdolino Midi cover, PMMA, opal white
Material	PMMA			
Transmission in %	85	69	85	22
Fire protection class	B2 DIN4102			
Length	1000 mm			
Width	12,8 mm			
Height	6 mm		6,8 mm	6 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

	62378157	62378158
Description	BARdolino Midi T end cap set, plastic gray	BARdolino Midi T end cap set, plastic black
Material	plastics	
Colour	gray RAL7035	black
Length	7 mm	
Width	20 mm	
Height	12 mm	

Note: The screws for the end caps must be placed and screwed in at a right angle (90°) to the screw channel and may only be screwed in with a max. tightening torque of 0.35 Nm to prevent the screw head from unscrewing or the screw from overtightening (recommended bit PH1).

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).

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.
- 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 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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