

# CATania DUO Wandprofil

- high-quality wall profile made of aluminium, powder-coated
- ideal for indirect lighting via wall reflection
- when mounted horizontally, can be directed upwards and/or downwards radiating
- for vertical mounting, radiates to the left and/or right as desired radiating
- with integrated cable guide
- power supply units 66000315 and 66000316 can be integrated
- basic profile in RAL 9016, front panel optionally in RAL 9016 or RAL 9005
- to accommodate LED strips of the LEDlight flex family or boards according to Zhaga classes L28W2 and L56W2.
- Mounting surfaces of the light sources are not powder-coated --> for optimum adhesion of adhesive strips and heat dissipation
- Front panel can optionally be screwed in a vandal-proof manner

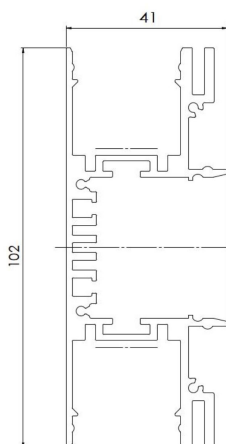


**Please refer to the notes on expansion and assembly at the end of the data sheet!**

## ALUMINIUM PROFILE

	62393151	62393152	62393153	62393155
Length	1000 mm	2010 mm	3020 mm	5030 mm
Width	102 mm			
Height	41 mm			
Colour	white RAL 9016			
Material	Aluminium EN AW 6060			
Finish	anodised			
Weight	1969 gr	3957 gr	5946 gr	9904 gr

## DIMENSIONED DRAWING



## FRONT COVER

	62393161	62393171
<b>Material</b>	Aluminium EN AW 6060	
<b>Finish</b>	anodised	
<b>Colour</b>	black RAL 9005	white RAL 9016
<b>Length</b>	1000 mm	
<b>Width</b>	102 mm	
<b>Height</b>	41 mm	

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



## COVER

	62399821	62399851	62399861
<b>Description</b>	cover opal white, PMMA, for a homogenous and glare-free light distribution	cover nature, little light consumption and hiding technical view at the same time	cover clear, for the protection of the LED stripe
<b>Material</b>	PMMA		
<b>Transmission in %</b>	77	84	91
<b>Length</b>	1000 mm		
<b>Width</b>	27,4 mm		
<b>Height</b>	7,9 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

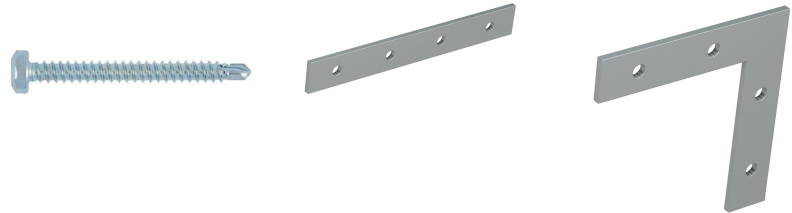
	62399719	62399720
<b>Description</b>	2 end caps incl. 4 screws	
<b>Material</b>	Aluminium EN AW 6060	
<b>Colour</b>	white RAL 9016	black RAL 9005

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).



## ACCESSORIES

	<b>62393157</b>	<b>62398802</b>	<b>62398803</b>
<b>Description</b>	Screw set for fixing the front panel, 6 x drilling screw	2x straight connectors, metal, incl. 8 grub screws	2x connectors, 90° angle, metal, incl. 8 grub screws
<b>Material</b>	steel	304 stainless steel	
<b>Length</b>	9,5 mm	80 mm	50,5 mm
<b>Width</b>	3,5 mm	10,5 mm	50,5 mm
<b>Height</b>		1,7 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).

## 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.

**NOTE**

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

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.