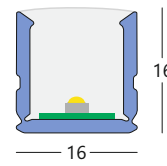
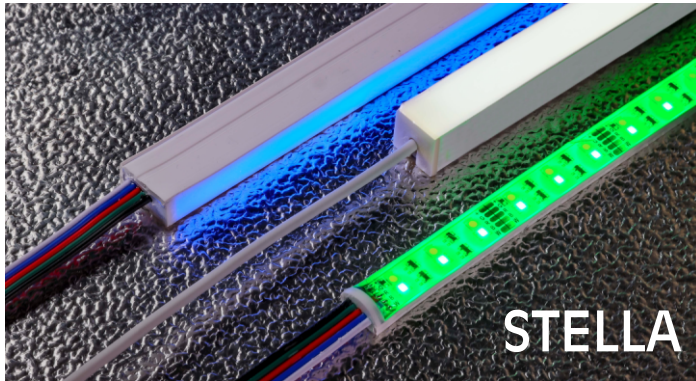
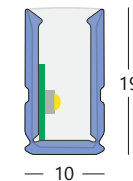


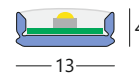
Description



STELLA
16 x 16 mm



STELLA
10 x 19 mm



STELLA
13 x 4 mm

STELLA is a linear luminaire consisting of an extruded TPE (thermoplastic elastomer) profile. The LEDs are fully embedded in the profile and sealed against water ingress.

In contrast to rigid metal profiles these profiles can be bent, allowing straight as well as round or wave-like illuminated lines to be created.

The STELLA profile is available in three variants:

16 x 16 mm “top bend” or “side bend”

10 x 19 mm “side bend”

13 x 4 mm “top bend”

The first two variants feature a continuous, uniform light appearance and are designed for creating illuminated lines on walls and ceilings or for installation in furniture.

The flat profile (13 x 4) features a dotted light appearance and is mainly used for cove lighting or backlighting purposes.

All three variants can be supplied with the following type of light:

- single-colour (white or coloured light)
- RGBW (white + RGB light)

White light is available in five shades from warm white (2,700 K) to cool white (6,500 K).

Coloured light is available in red, green or blue. The RGBW variant can be set to any displayable light colour.



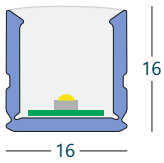
Energy efficiency in perfection:

STELLA is not only a beautiful, but also a very energy-efficient light profile.

Using state-of-the art technology, **STELLA** is designed to reduce energy consumption considerably while providing excellent and attractive lighting.

This not only helps to cut the electricity bill, but also has a positive impact on the environment.

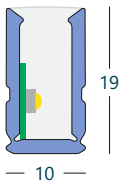
Technical data



16 x 16 mm

Variant	Voltage	LED current	LED spacing	LED module length	Wattage per metre	LED modules per metre	Lumens per metre	Min.* / max. avail. length
STELLA 16 x 16 single-colour	Series connection (100 mA conv.)	25 mA	12 mm	48 mm	wh: 5.8 W	20	.... lm	0.40 / 5.0 m
					bu, gn: 6.7 W			
					rd: 4.6 W			
STELLA 16 x 16 single-colour	12 V	25 mA	12 mm	36 mm	wh: 8.3 W	27	.... lm	0.40 / 5.0 m
					bu, gn: 8.3 W			
					rd: 8.3 W			
STELLA 16 x 16 RGBW	12 V	15 mA	12 mm	36 mm	RGBW 20 W	27	coming soon	0.40 / 3.0 m

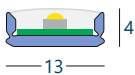
*) Please enquire for shorter lengths



10 x 19 mm

Variant	Voltage	LED current	LED spacing	LED module length	Wattage per metre	LED modules per metre	Lumens per metre	Min.* / max. avail. length
STELLA 10 x 19 single-colour	Series connection (100 mA conv.)	25 mA	12 mm	48 mm	wh: 5.8 W	20	.... lm	0.40 / 5.0 m
					bu, gn: 6.7 W			
					rd: 4.6 W			
STELLA 10 x 19 single-colour	12 V	25 mA	12 mm	36 mm	wh: 8.3 W	27	.... lm	0.40 / 5.0 m
					bu, gn: 8.3 W			
					rd: 8.3 W			
STELLA 10 x 19 RGBW	12 V	15 mA	12 mm	36 mm	RGBW 20 W	27	coming soon	0.40 / 3.0 m

*) Please enquire for shorter lengths



13 x 4 mm

Variant	Voltage	LED current	LED spacing	LED module length	Wattage per metre	LED modules per metre	Lumens per metre	Min.* / max. avail. length
STELLA 13 x 4 single-colour	Series connection (100 mA conv.)	25 mA	12 mm	48 mm	wh: 5.8 W	20	.... lm	0.40 / 5.0 m
					bu, gn: 6.7 W			
					rd: 4.6 W			
STELLA 13 x 4 single-colour	12 V	25 mA	12 mm	36 mm	wh: 8.3 W	27	.... lm	0.40 / 5.0 m
					bu, gn: 8.3 W			
					rd: 8.3 W			
STELLA 13 x 4 RGBW	12 V	15 mA	12 mm	36 mm	RGBW 20 W	27	coming soon	0.40 / 3.0 m

*) Please enquire for shorter lengths

STELLA – for monochromatic light

Simple installation and clear luminous colours

The single-colour variant of the **STELLA** profile provides a less complex, but still very versatile lighting solution. It is available with white light in five different shades and with coloured light in three different colours.

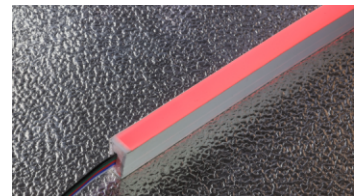
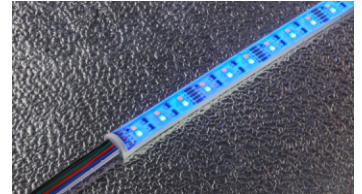
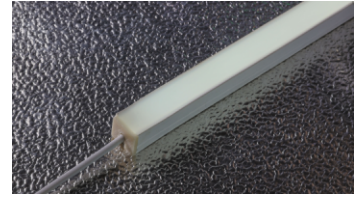
All that is required for operation is a converter (for series-connection) or a power supply (for 12 volts). Both are available in different sizes.

Choice of light colours

- Warm white (2,700 K to 3,000 K): ideal for living spaces as it creates a cosy atmosphere
- Neutral white (4,000 K to 5,000 K): well-suited for working areas as the light colour appears neither too warm nor too cool
- Cool white (6,500 K): recommended for areas where a high degree of concentration is required, such as workshops or laboratories
- Red, green, blue: These colours are suitable for special applications, e.g. for displaying corporate colours or for effect lighting purposes.

Dimmability

If a dimmable converter is used, the brightness can easily be adjusted offering additional flexibility in lighting design.



STELLA – for coloured RGBW light

A variety of luminous colours

The RGBW variant of the **STELLA** profile offers a wide range of possibilities when it comes to choosing the right light colour.

“RGB” stands for red, green and blue. “W” stands for a separate white LED, which can be ordered with a particular colour temperature.

Static light

Using the controller, a static light output with a constant light colour and brightness can be set. This is ideal for a permanent uniform illumination – for instance, when a particular room is to be illuminated in a special colour.

Dimmability

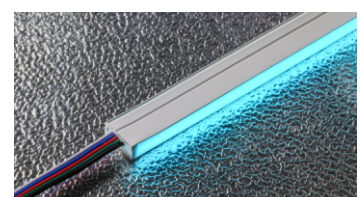
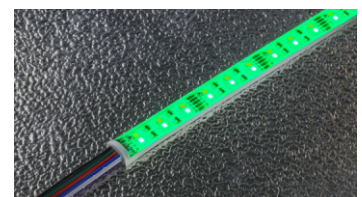
Besides varying the light colour (either for static or dynamic light), it is also possible to change the brightness, i.e. the light can be dimmed. All controllers offer this possibility.

Contoller

The control device is usually operated with a hand-held transmitter. In the simplest case, the desired light colour is set, and that's it.

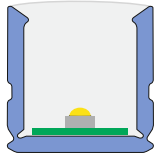
In dynamic light mode, the light colour and/or the brightness can be set to change, allowing custom light scenes to be programmed.

There are various control options including integration with a smart home system or connection to DALI.

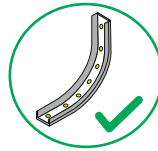
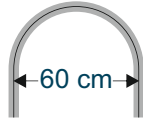


Bending options

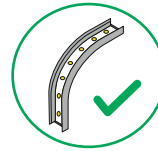
Smallest bending diameter



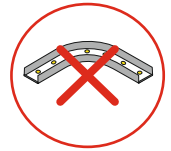
16 x 16



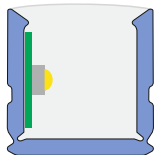
top bend



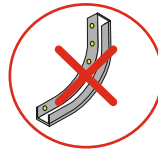
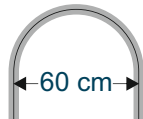
top bend



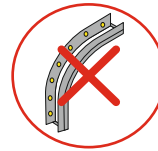
side bend



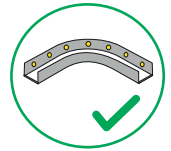
16 x 16



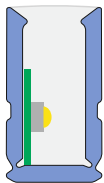
top bend



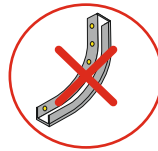
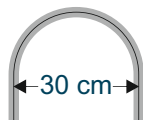
top bend



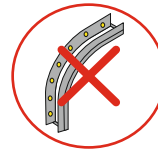
side bend



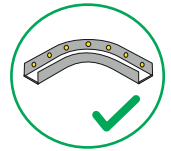
10 x 19



top bend



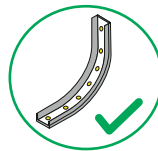
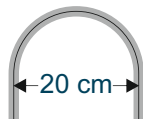
top bend



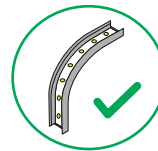
side bend



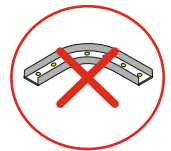
13 x 4



top bend



top bend



side bend

Please specify bending direction when ordering. The RGBW variant will be available from spring 2024.

Converters for series-connection

The single-colour light profiles can be operated in series-connection or with 12 volts.

For systems with series-connected LEDs we supply special converters ensuring the lowest possible energy consumption, a constant current and thus optimal operating conditions for the LEDs.

All converters are fully potted to give an IP rating of **IP67**.

The dimmable versions allow the brightness to be adjusted using a 0–10 V control voltage.

The converter C200/600D is designed for very bright light. The other models supply an LED current of 100 mA, which is perfectly adequate for most applications.

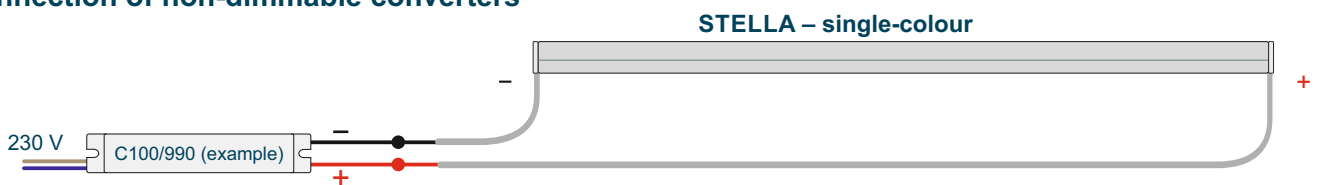
Dimmable converters (0–10 V)

Model	Dimensions (mm)	LED type	No. of LEDs
C100/300D	200 x 50 x 30	White, Blue, Red	1 to 95, 1 to 80, 1 to 120
C100/990D	260 x 53 x 38	White, Blue, Red	1 to 330, 1 to 280, 1 to 430
C200/600D	260 x 53 x 38	White, Blue, Red	1 to 200, 1 to 170, 1 to 250

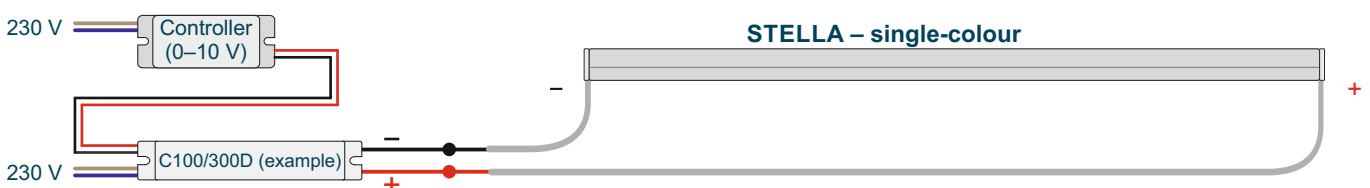
Non-dimmable converters

Model	Dimensions (mm)	LED type	No. of LEDs
C100/150	185 x 24 x 25	White, Blue, Red	1 to 45, 1 to 40, 1 to 60
C100/300	205 x 30 x 29	White, Blue, Red	1 to 95, 1 to 80, 1 to 120
C100/600	243 x 59 x 29	White, Blue, Red	1 to 200, 1 to 170, 1 to 250
C100/990	260 x 50 x 38	White, Blue, Red	1 to 330, 1 to 280, 1 to 430

Connection of non-dimmable converters



Connection of dimmable converters



12 V power supplies

Power supplies

The power supply units shown here are suited for both single-colour (12 volts) and RGBW operation. Power supplies with a higher voltage must not be used.

The right choice of power supply is determined by the length of the profile.

Example 1: Four **STELLA profiles 16 x 16** (single-colour) reach an overall length of 14 m. The wattage per metre is 8.3 W, resulting in an overall wattage of 116.2 W. Therefore, a power supply with 150 W is needed.

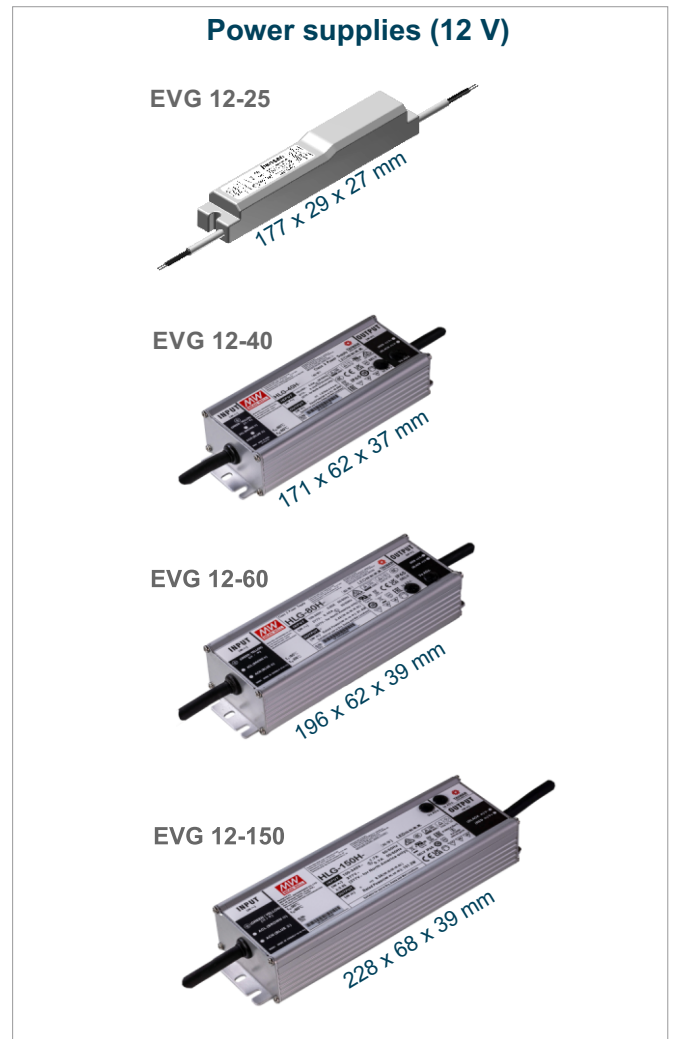
Example 2: A **STELLA RGBW** profile is 2.5 m long. With a wattage per metre of 20 W, the overall wattage is 50 W. So a 60 W power supply is required.

All power supplies are fully potted to give an IP rating of IP67. Short-circuit protection, overload protection and open-circuit protection are provided.

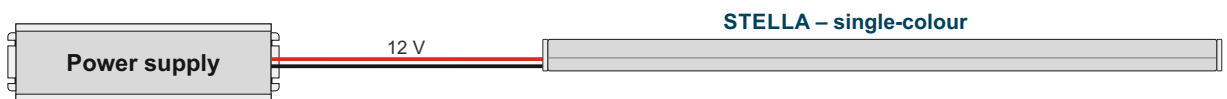
Controllers for RGBW

RGBW operation requires a controller in addition to the power supply, which allows individual light colours, mixed light or dynamic, moving light to be set.

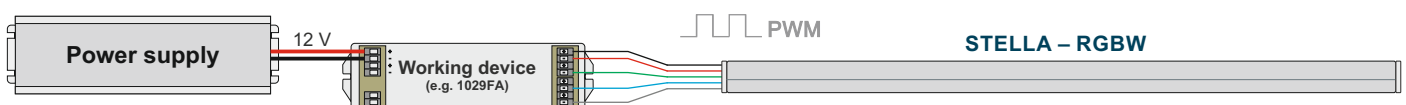
There is a choice of controllers, which usually comprise a remote control and a so-called working device (e.g. a slave module or radio receiver).



Connection of a single-colour STELLA profile to a power supply (example)



Connection of an RGBW STELLA profile to a controller (example)



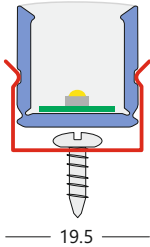
Fixing and mounting accessories

Spring steel mounting brackets

Metal thickness: 0.5 mm

Length: 15 mm

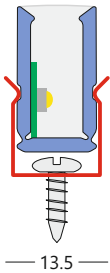
Fixing hole: 4 mm



Type 5

for STELLA 16 x 16 mm

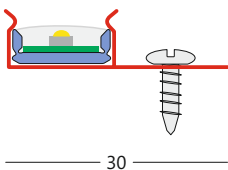
Art. no.: 5 6700 016



Type 6

for STELLA 10 x 19 mm

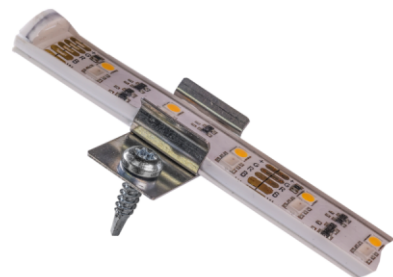
Art. no.: 5 6700 017



Type 7

for STELLA 13 x 4 mm

Art. no.: 5 6700 018



Double-sided adhesive tape

Width: 9 mm

Art. no.: 5 5000 095

Width: 15 mm

Art. no.: 5 5000 094

