

A 3 - YEAR WARRANTY APPLIES WHEN INTEGRATECH

LED STRIPS ARE MOUNTED IN ACCORDANCE WITH THE INSTALLATION INSTRUCTIONS!

Important: Please read this manual carefully before installation and keep the manual for future modifications.



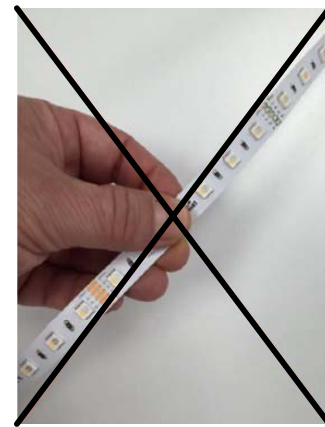
UNPACKING LEDSTRIPS

A ledstrip is a flexible printed circuit board with electronic components. These components are very sensitive to static electricity. Static electricity is inevitable and occurs through friction of e.g. clothing or carpets.

Discharge yourself of static electricity before touching ledstrips. This can be done, for example, by touching the grounding pin of an outlet. Do this on a regular basis during the installation.



Avoid direct contact with the electronic components on the LED strip.



1

CHECKING LEDSTRIP

Check the ledstrip for defects before permanently mounting or sticking it in an aluminum profile.

- Remove the ledstrip from the packaging and carefully unroll it.
- Connect the ledstrip to a suitable 24VDC power supply, with BICOLOR, RGB or RGBW LED strips. Always check each channel separately. To do this, connect the + of the LED strip to the + of the power supply, and the - of each channel to the - of the power supply.
- Check the entire LED strip for defects or color differences

2

USE THE CORRECT VERSION

IP20 is always preferred, in dry rooms the natural cooling is optimal.

IP65 is provided with a silicone protective layer which makes it suitable for moisty rooms. The silicone finish can influence the color appearance (colorshift). Do not use the IP20 and IP65 models in the same room to avoid color differences.

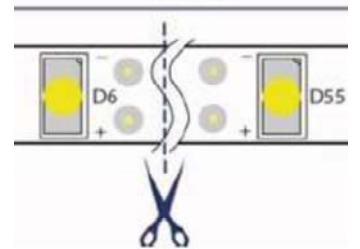
IP67C replaces the IP68 version for outdoor applications. The air-filled silicone jacket improves the optical result so that no colorshift occurs. The IP67C version is also UV and seawater resistant.

3

CUTTING LEDSTRIPS:

When cutting IP65 or IP67C ledstrips it is very important to make the ends waterproof again:

- Only cut the ledstrips on the marked lines
- Scratch softly with a screwdriver on the soldering tips to make them grease-free.
- Solder the wires to the ledstrip, always use flexible cable, e.g. type LIYY-OB
- Degrease the shortened part, and make it waterproof using (acid-free) silicones.

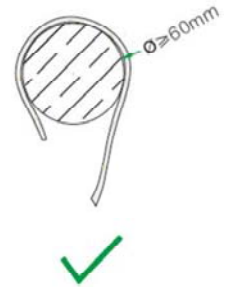
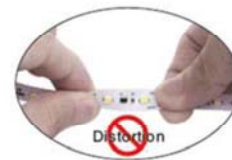


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MOUNTING LEDSTRIP:

If the ledstrip does not show any defects or color differences after checking, you can proceed to final assembly. A ledstrip is very sensitive to mechanical pressure. Always treat a LED strip with the necessary caution:

- Never exert mechanical pressure
- Do not fold or wrinkle
- Do not stick and tear loose again
- When soldering, always use flexible cable, not xvb



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ALUMINUM PROFILE:

For an optimal service life, it is very important to always stick the ledstrip in an aluminum LED profile from Integratech. This guarantees maximum heat dissipation and prevents overheating of the ledstrip. The warranty is not valid if LED profiles from another manufacturer are used!

- Do not place ledstrips in a small enclosed area. Always ensure sufficient ventilation.
- Always place the ledstrip in an Integratech LED profile = quality aluminum alloy 6060 (Al-Mg-Si) with optimal cooling properties and minimal shrinkage or expansion.
- In our catalog you will find an icon for all LED profiles indicating the maximum cooling capacity.



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LEDSTRIP CONNECTION PRINCIPLE:

A ledstrip can not be dimmed with a classic triac dimmer on the 230V side, ledstrips are always dimmed on the 24V side with a PWM dimmer.

Integratech offers a comprehensive package of controllers, including wireless, 1-10V, DALI, DMX, KNX, WiFi.

Always use a sufficiently large cable section between power supply and LED strip, consult our table in the catalog, or scan the QR code.



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