



Lumistrips

DATASHEET

LUMIFLEX3090 CREE LED STRIP WARM WHITE CR190 2700K 8900LM 24V 70
LEDS/M 5M REEL

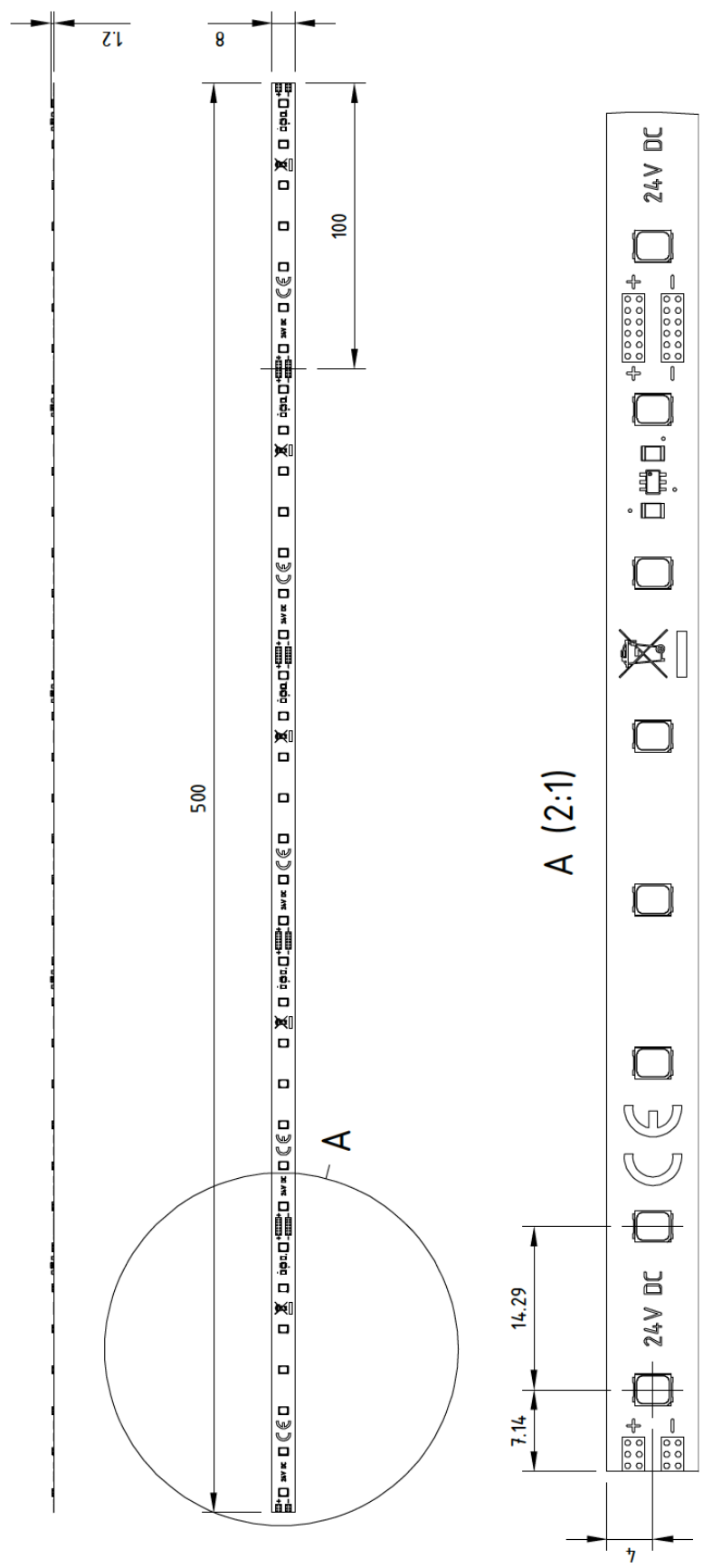
SKU: 43840



LUMIFLEX3090 CREE LED STRIP WARM WHITE CRI90 2700K 8900LM 24V 70 LEDS/M 5M REEL

Article number (SKU)		43840	
Product name	LumiFlex3090 Cree LED Strip warm white CRI90 2700K 8900lm 24V 70 LEDs/m 5m reel		
Classification	Professional		
Model identifier (equivalent models)	LumiFlex350 Pro HE		
Photometric data (at T_J = 65°C, ± 10%)			
Light color	Warm White		
Binning	3-Step MacAdam		
Color temperature (K)	2700 K		
Dominant wavelength (nm)			
Luminous flux (lm)	8900 lm	1780 lm/m	
Radiant power (mW)			
CRI (Ra)	>90		
Efficiency (lm/W)	142 lm/W		
Beam angle FWHP	120°		
Lifetime L80B10C1 (h)	>60000 h		
Photometric code	927/339		
Electrical data (at T_J = 65°C, ± 10%) (reference settings)			
Operating mode	Constant voltage		
Voltage (V)	24 V		
Current (mA)	2600 mA		
Power (W)	62.5 W	12.5 W/m	
Standby power consumption (W)	0 W		
Dimmable	Yes		
Dimensions / Mechanical data		Metric units	Imperial units
Length	5000 mm	196.50"	
Width	8 mm	0.314"	
Height	1.2 mm	0.047"	
Number of LEDs (pcs)	350 pcs Cree J82835		
Weight (g)			
Heat dissipation	Yes		
Temperatures			
Operating temperature at T _c	-40 °C to +85 °C		
Ambient temperature	-40 °C to +50 °C		
Storage temperature	-40 °C to +100 °C		
Approvals / Certifications			
CE / RoHS / Reach	Yes		
EN 62471 Risk group	RG0		
Energy efficiency class	D		
Mains voltage luminous efficacy (lm/W)	155 lm/w		
Version			
Date	10. Apr 2026		

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WARRANTY INFO



This LED Strip has 5 years commercial warranty. Please refer to <https://www.lumistrrips.com/lumistrrips-en-warranty> for warranty terms.

MANUFACTURING INFO



LED strip made in Germany with Reel-to-Reel (R2R) Flex manufacturing—a fully automated, high-precision process that ensures consistent quality and scalable efficiency. Ideal for high-volume production, R2R reduces interconnects, and enhances durability—delivering uniform, cost-effective LED strips with superior reliability.



LED Strips and Modules with LEDs from market leaders

With more than 20 year's experience, we at Lumistrips were a part of the early success of LEDs and thus have extensive application knowledge from a wide range of sectors.

Our team of experts works tirelessly to design and produce cutting-edge LED solutions that meet the highest standards of quality and performance.

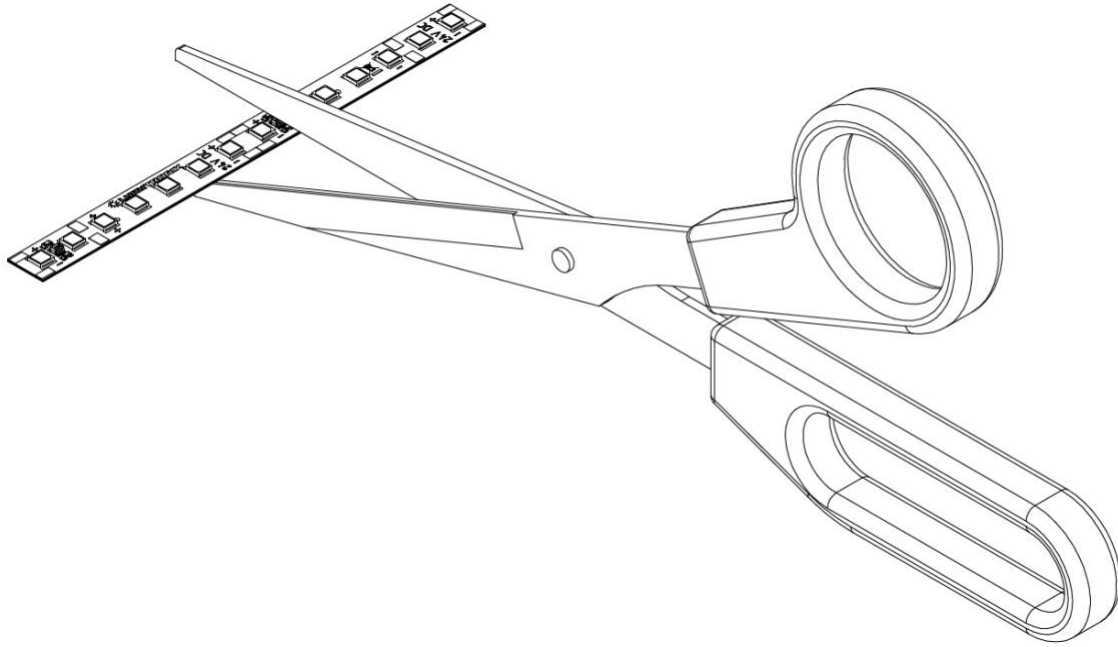
We develop and manufacture our LED strips at a state of the art facility in Germany, with the highest quality standards and by using only LEDs from market leaders such as Nichia, Cree, Osram, Seoul Semiconductor or Toshiba.

- **Nichia** is the LED market leader, with over 25% market share and decades of experience. Nichia researchers invented the blue and white LED production technology, also receiving the Nobel Prize for this achievement. Nichia LEDs are the **most efficient** (200 lm / w efficacy), durable (> 100,000 hours) and are also available with unique technologies such as **Optisolis**, CRI98+ natural light spectrum and **Rsp0a**, special white light for horticulture.
- **Cree**, world's top 2 LED manufacturer, that offers one of the industry's most extensive portfolios of application-optimized LEDs, leading in both performance and reliability. With over 30 years of experience, Cree LED develops products backed by expert design assistance, superior sales support and industry-best global customer service. **We are a member of the Cree LED branding partner program, giving our customers the confidence of knowing that our custom LED modules are powered with the highest-quality Cree LEDs.**
- **Toshiba** is a Japanese conglomerate with a history of more than a century, now specialized in semiconductors, electronics and hardware, with nearly 20,000 employees and an annual turnover of 40 billion USD. Toshiba has built the TRI-R technology and built the LED chips used in **SunLike CRI97+ LEDs** produced by Seoul Semiconductor in South Korea. With the new **SunLike™ TRI-R™** technology from Toshiba-SSC (Seoul Semiconductor) and our strips and modules you can always enjoy a natural light source with the light spectrum very close to the sun.
- **Seoul Semiconductor**, in the top 3 of global LED manufacturers is known for its advanced and innovative lighting technologies. Headquartered in South Korea, the company offers a broad portfolio of LED solutions for automotive, general illumination, display, and UV applications. Seoul Semiconductor is the inventor of key LED technologies such as SunLike, and Violeds (UV LEDs for sterilization).

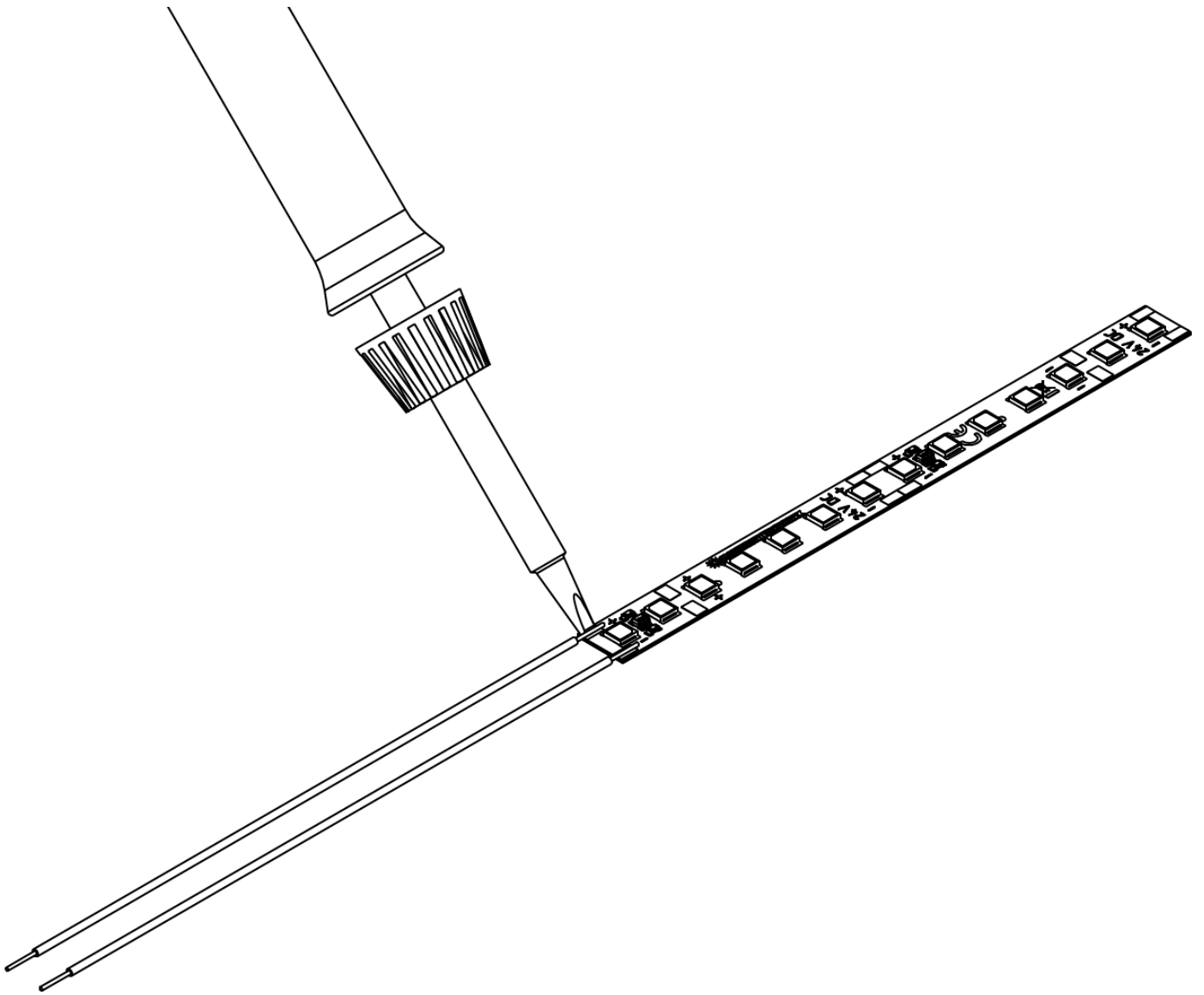
Our strips have high quality components and professional support:

- We use LEDs from top brands and have superior designs
- We offer **professional support** for lighting projects
- The PCBs use high quality materials for best resistance, current flow and heat transfer
- Performance values in this datasheet match those in real world applications
- Function perfectly at high temperatures that would destroy many other strips

CUTTING INFO

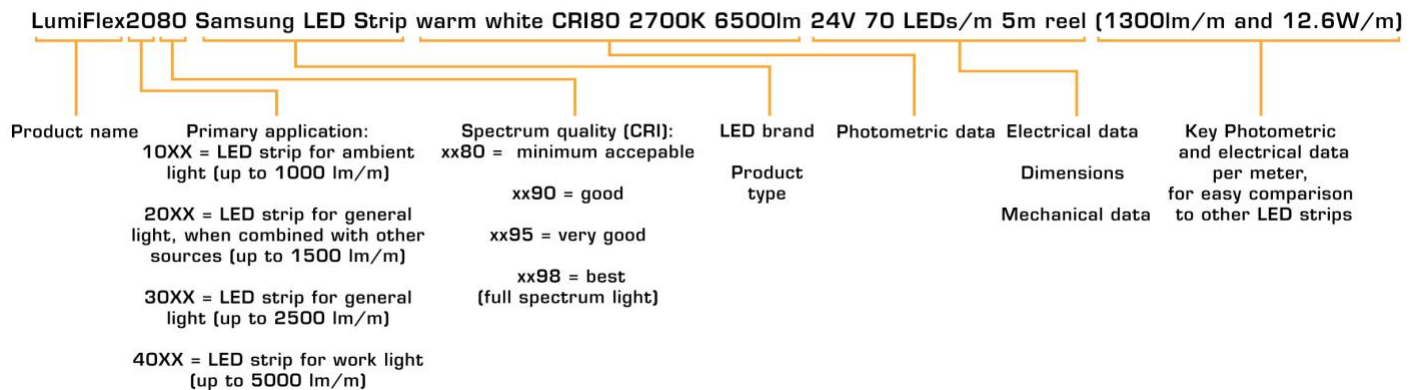


CONNECTION OF LED STRIP



The Professional LED Strips are connected via a lead connection to the connection pads provided for this purpose. The LED strip can be separated or shortened every 100 mm. On the back of the LED strip is a double-sided heat-conducting adhesive tape, which allows installation of the LED strip. Professional LED strips can be cut with scissors.

LED STRIP PRODUCT NAME EXPLAINED



LED STRIP INSTALLATION GUIDELINES

The LED modules and all their components must not be mechanically stressed.

Avoid undue claw action, e.g. by screwing or excessive bending.

The LED modules must not come into contact with aggressive chemical substances, either in operation or in storage.

The installation of the module (with the operating device) must be carried out in compliance with all applicable electrical and safety standards.

Pay attention to standard ESD precautions when installing the modules.

- The components on the LED modules must not be subjected to mechanical stress.
- The conductive paths on the boards must not be damaged or interrupted by the installation.
- Store and operate the LED modules only at a final humidity of 10% to 60%.

Our LED modules are not protected against overload, overtemperature and short-circuit currents. To operate the modules safely and reliably,

it is therefore necessary to use an electronically stabilized power supply unit in which these

in which these safety functions are already integrated. If other power supplies than the ones distributed by us are used, the following protective

the following protective measures must be ensured on the power supply side:

MINIMUM REQUIREMENTS FOR POWER SUPPLIES: Short circuit protection - Overload protection - Overtemperature protection

- The installation of LED modules may only be carried out in compliance with all applicable regulations and standards by an authorized electrician.

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This LED strip can be purchased via the following websites:

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www.ledrise.eu / www.lumistrips.com

