



The liniLED® Top R Tunable White LED strip empowers you to create dynamic lighting scenes, offering a spectrum of colour temperatures to suit diverse environments.

With an IP67 flexible silicon extrusion, installation becomes seamless and versatile, ensuring adaptability and reliability in various settings. Achieve remarkable efficiency with an output of up to 130 lumens per watt, not only delivering brightness but also promoting energy-conscious and sustainable lighting solutions.

Benefit from a great lumen maintenance function, ensuring a long service life for the liniLED® Top R Tunable White. This feature, coupled with a high Colour Rendering Index (CRI) of 90, guarantees precise colour representation, enhancing the visual appeal of illuminated spaces.

For the latest version of this datasheet, visit our website: <https://www.triolight.com/en/led-products/led-strips>

USPs

- IP67 flexible silicon extrusion for easy mounting
- Easy mounting due to self-adhesive tape at the back
- High Efficiency (up to 130 lum/W)
- Long lifespan with great lumen maintenance
- CRI 90
- 5 year warranty

Available colours

Colour	Description
 2200-3500K	liniLED® Top R Tunable White 1100 2200-3500K CRI90
 2700-6500K	liniLED® Top R Tunable White 1100 2700-6500K CRI90
 2200-3500K	liniLED® Top R Tunable White 3200 2200-3500K CRI90
 2700-6500K	liniLED® Top R Tunable White 3200 2700-6500K CRI90

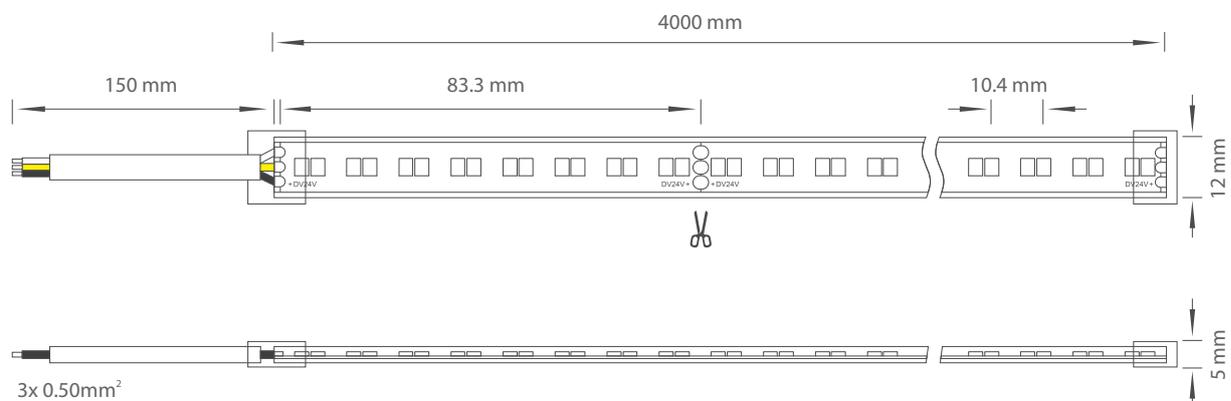


Technical specifications

	2200K - 3500K	2700K - 6500K	2200K - 3500K	2700K - 6500K
Product code	RT11-92235-TW	RT11-92765-TW	RT34-92235-TW	RT34-92765-TW
Power (24V DC)	8.64 W/m	8.64 W/m	25.92 W/m	25.92 W/m
CCT	2200K - 3500K	2700K - 6500K	2200K - 3500K	2700K - 6500K
CRI	90	90	90	90
Luminous flux	1056 lm/m	1080 lm/m	3167 lm/m	3241 lm/m
Luminous efficiency	122.2 lm/W	125.0 lm/W	122.2 lm/W	125.0 lm/W
Spool length	4 m	4 m	1.5 m	1.5 m
Section length	83.3 mm			
LED type	2835			
Number of LEDs	192 pcs			
Max. connection length	4 m	4 m	1.5 m	1.5 m
Min. operating voltage	23V DC			
Max. operating voltage	25V DC			
Width	12 mm			
Height	5 mm			
Dimmable	PWM, 0-10V, DALI and DMX dimming			
MacAdam Steps	3 Steps			
Type of protection	IP67			
Storage temperature	-20°C ... +60°C			
Operating temperature	-20°C ... +70°C			

Typical measured values are given, which due to tolerances in components and production process can vary up to 10%.

Product drawings



Power consumption

To power the liniLED® LED strips and lighting fixtures, a power supply from the liniLED® Power assortment can be selected. Selection of the correct power supply must be done by taking the total requested power and the environment into account.

The total power consumption can be calculated by summing the requested power of all connected products. To calculate the power consumption of a single length of LED strip, use the equation below. The typical equation is valid if the product is supplied by a 24 V DC constant voltage power supply. If the output voltage of a power supply is increased, the power consumption will increase with the same ratio and needs to be corrected by using the optional part of the equation found between brackets.

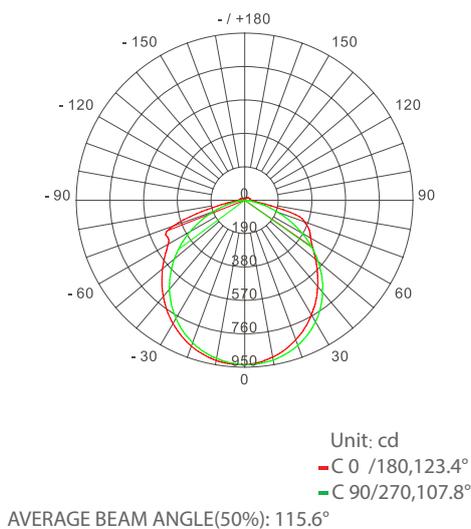
$$P_{STRIP} = P_{PRODUCT} \times X_{LENGTH} \times 110\% \left[\times \frac{U_{SUPPLY}}{24} \right]$$

- P_{STRIP}** Calculated power consumption of one LED strip in Watt
- $P_{PRODUCT}$** Typical power consumption in Watt per metre of the selected LED strip
This value can be found under 'Product characteristics' on page 2
- X_{LENGTH}** Length of the connected LED strip in metres
- 110% Safety margin to buffer differences over all production batches
- Optional:
- U_{SUPPLY}** Set supply voltage of the power supply in Volt
- 24** Nominal supply voltage of liniLED® in Volt

Photometric information

In the process of lighting design and calculations, the luminous flux and beam angle alone are not enough information to create a representative and realistic calculation or render. There is a set of photometric files for each LED strip type, available in two different file formats:

- Eulumdat (.ldt)
- IES LM-63-1995 (.ies)



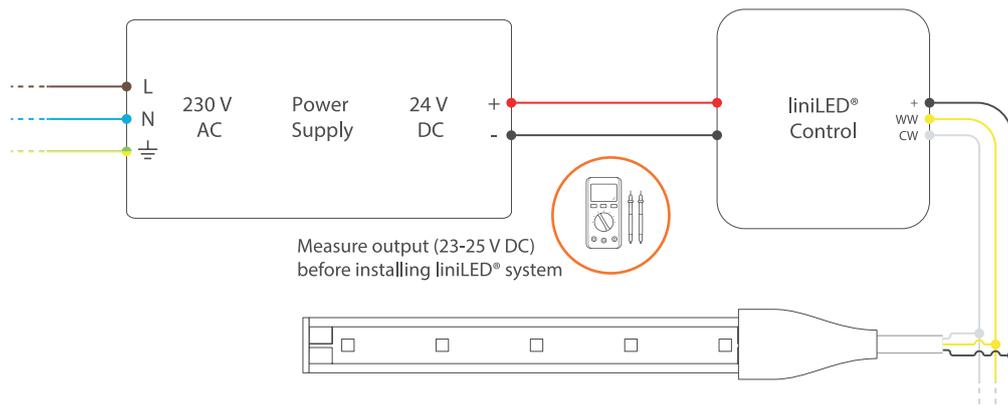
Flux Out: 1845lm

0.3m	3444,10782lx	80.88cm
0.6m	860.9,2695lx	161.76cm
0.9m	382.6,1198lx	242.64cm
1.2m	215.2,673.9lx	323.52cm
1.5m	137.7,431.3lx	404.39cm
1.8m	95.66,299.5lx	485.27cm
2.1m	70.28,220.0lx	566.15cm
2.4m	53.81,168.5lx	647.03cm
2.7m	42.51,133.1lx	727.91cm
3.0m	34.44,107.8lx	808.79cm

Height Eavg, Emax Beam Angle: 106.86° Diameter

Note: the above data is based on RT34-92235-TW. For other data, please consult sales rep.

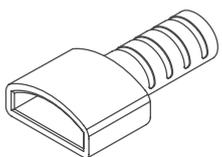
Power and connection diagram



Accessories

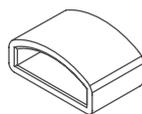
RT12-Con

liniLED® Top R Connector Cap 12 mm



RT12-Cap

liniLED® Top R End Cap 12 mm



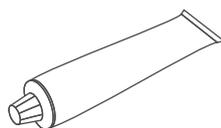
RT-C-TW

liniLED® Top R Cable TW 300mm



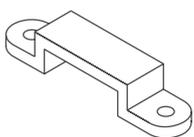
R-Glue

liniLED® Silicone glue



RT12-Clip

liniLED® Top R Mounting Clip 12mm



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Symbols



Manufacturer's declaration that the product meets the applicable EC directives.



Operating voltage of 24 V DC.



Electro Static Discharge (ESD) sensitive device, apply standard ESD precautions when handling the product.



Restriction of Hazardous Substances (RoHS): product complies with the RoHS directive and each homogeneous material does not exceed the limits for the materials mentioned under the RoHS directive (Pb, Hg, Cd, Cr6+, PBB and PBDE).



Not protected against ingress of solid foreign objects. Not-protected against ingress of water.



White colour consistency up to 2 SDCM ellipse over an entire single strip length. LEDs used are single BIN 3 SDCM ellipse, but their careful combination in a LED strip during the production process, results in a mixed light through a diffusive material which is within a 2 SDCM ellipse (probability >90%). Due to variability this is not legally binding. The guaranteed colour consistency can be found in the technical specifications.



The CRI value of this product is 90 or higher.



System guarantee of 5 years when the complete system consists of liniLED® products with the 5 years system warranty logo. Terms & conditions apply.



This product is resistant to solvents be applied its environment. These elements will have no harmful effect on the product.



This product can be stored and used below 0 degrees Celsius. Verify the minimum storage and operating temperature in the datasheet or manual for the lowest temperature allowed.



This product can be applied in seawater and its environment. Elements in seawater will have no harmful effect on the product. For chemical specifications of these elements see the liniLED® material sheet. Verify the IP rating for proper use.



This product can be applied inside swimming pool environments. Elements in the air will have no harmful effect on the product. For chemical specifications of these elements see the liniLED® material sheet. Verify IP rating for proper use.