

The liniLED® COB R Tunable White 2700K-6500K offers a broad spectrum of colour temperatures, ranging from warm 2700K to cool 6500K, providing unprecedented flexibility for creating diverse lighting atmospheres.

With a wide 180° beam angle, the liniLED® COB R Tunable White ensures expansive and uniform illumination, making it a versatile choice for various applications. Experience efficient and reliable performance even in demanding conditions, thanks to the product's excellent heat dissipation capabilities.

Boasting high package density, this solution delivers powerful and concentrated lighting output, catering to the specific needs of your lighting projects. The liniLED® COB R Tunable White is designed with good flexibility, facilitating ease of installation and adaptability to various design requirements.

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

### USPs

- 180° beam angle.
- Good heat dissipation.
- High package density.
- Good flexibility.

### Available colours

Colour	Description
<span style="color: cyan;">■</span> 2700-6500K	liniLED® COB R Tunable White 1700 2700-6500K CRI90



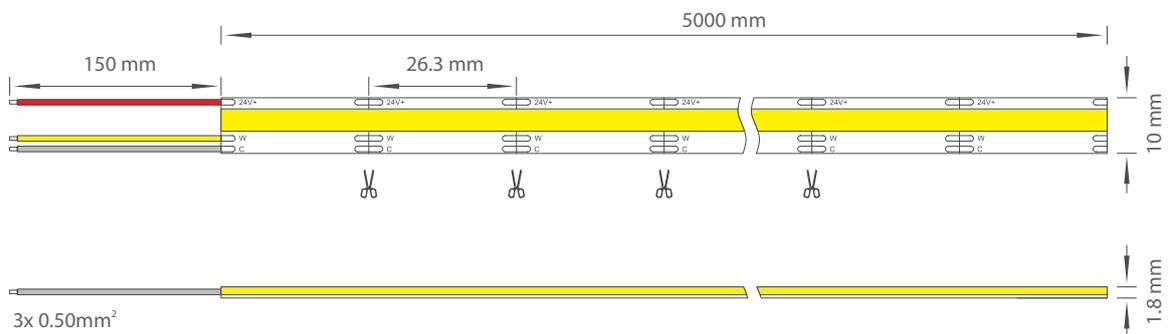
## Technical specifications

### 2700K - 6500K

Product code	RC17-92765-TW
Power (24V DC)	14 W/m
CCT	2700K - 6500K
CRI	90
Luminous flux	1260 lm/m
Luminous efficiency	90 lm/W
Spool length	5 m
Section length	26.3 mm
LED type	COB
Number of LEDs	608 pcs
Max. connection length	5m
Min. operating voltage	23V DC
Max. operating voltage	25V DC
Width	10 mm
Height	1.8 mm
Dimmable	PWM, 0-10V, DALI and DMX dimming
MacAdam Steps	3 Steps
Type of protection	IP22
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.

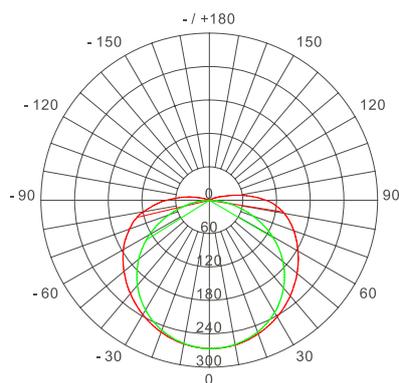
$$P_{STRIP} = P_{PRODUCT} \times X_{LENGTH} \times 110\% \left[ \times \frac{U_{SUPPLY}}{24} \right]$$

- $P_{STRIP}$**  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)

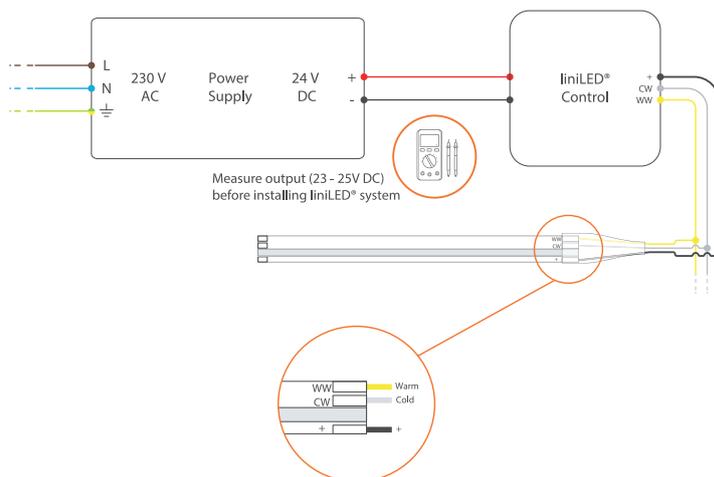


Unit: cd  
 - C 0 /180,157.2°  
 - C 90/270,116.9°  
 AVERAGE BEAM ANGLE(50%): 137.0°

Flux Out: 645.0lm		2700-6500K	
0.02m	481.9,1705lx	6.52cm	
0.04m	120.5,426.1lx	13.03cm	
0.06m	53.55,189.4lx	19.55cm	
0.08m	30.12,106.5lx	26.06cm	
0.10m	19.28,68.18lx	32.58cm	
0.12m	13.39,47.35lx	39.09cm	
0.14m	9.835,34.79lx	45.61cm	
0.16m	7.530,26.63lx	52.12cm	
0.18m	5.950,21.04lx	58.64cm	
0.20m	4.819,17.05lx	65.15cm	
Height	Eavg, Emax	Beam Angle:116.90°	Diameter

Note: the above data is based on RC17-92765-TW. For other data, please consult sales rep.

## Power and connection diagram



## Disclaimer

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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.



System guarantee of 3 years when the complete system consist of liniLED® products with the 3 years system warranty logo. Terms & conditions apply.