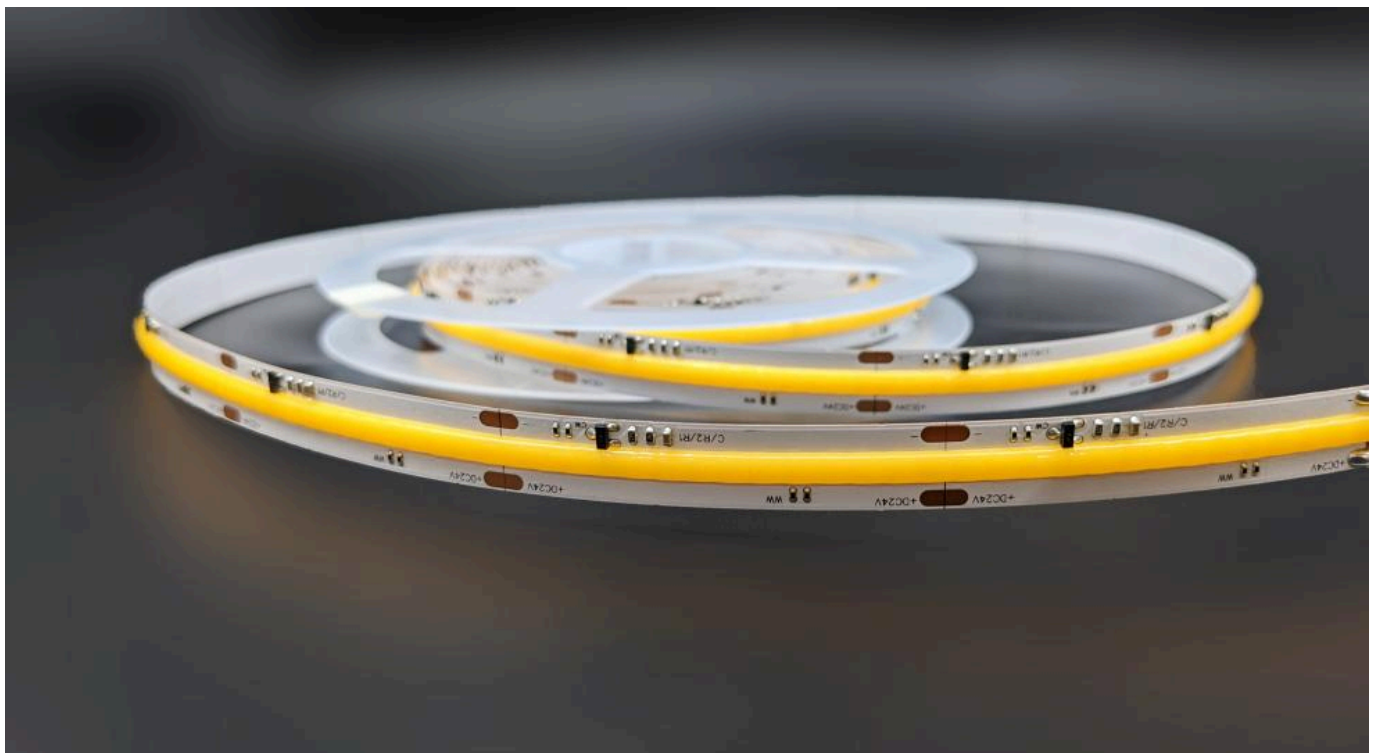


Product Datasheet

HiluX Dim-To-Warm COB LED Strip – 24V – 12W/m – 996lm/m – 1800-3000K – CRI90+ – 10mm x 5m – IP65

Item No.: **97-031-DTW** · EAN: **5714255012699**

Series: HiluX COB LED Strip · Dim-to-warm 1800-3000 K, CRI90+

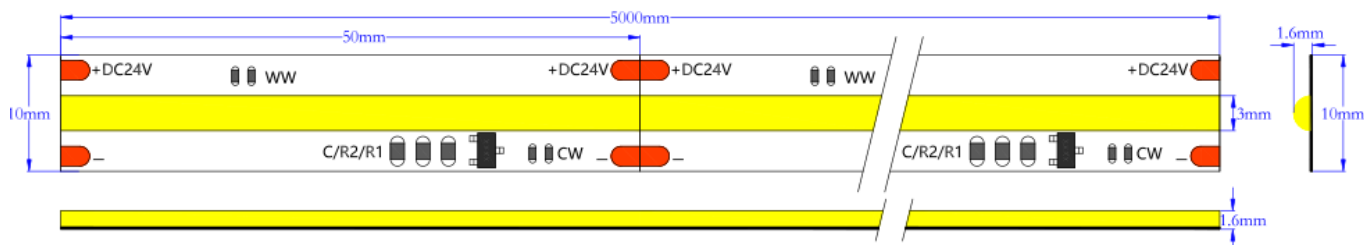


24 Vdc Voltage	12 W/m Power	996 lm/m Luminous flux	1800-3000 K CCT	Ra 90+ CRI	IP65 IP rating
--------------------------	------------------------	----------------------------------	---------------------------	----------------------	--------------------------

Features

- Dim-to-warm design – the colour temperature decreases synchronously as the brightness is dimmed, from 3000 K down to a warm 1800 K.
- Works with standard PWM dimming controllers.
- Chip-on-board (COB) design – continuous light line with no dark areas or visible dots.
- Double-layer 2 oz flexible PCB, balancing voltage drop, heat dissipation and flexibility.

Dimensions

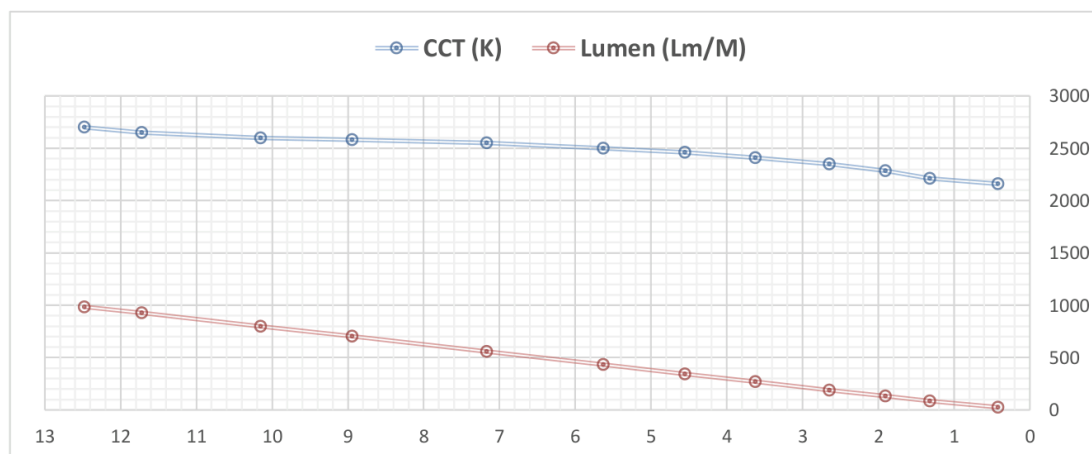


Specifications

Item No.	97-031-DTW
EAN	5714255012699
Input voltage	24 Vdc
CRI	Ra 90+
CCT	1800 K – 3000 K
Power	12 W/m @ 3000 K
Luminous flux	996 lm/m @ 3000 K
Efficacy	83 lm/W @ 3000 K
Size	W 10 mm H 1.6 mm L 5,000 mm
Cutting length	50 mm
Lifespan	50,000 h
IP rating	IP65 – heat-shrink tube
Working temperature	-20 °C to +40 °C
Storage temperature	-20 °C to +60 °C
Warranty	3 years

* The given electrical data reflect typical values; each can vary up to ±10 %.

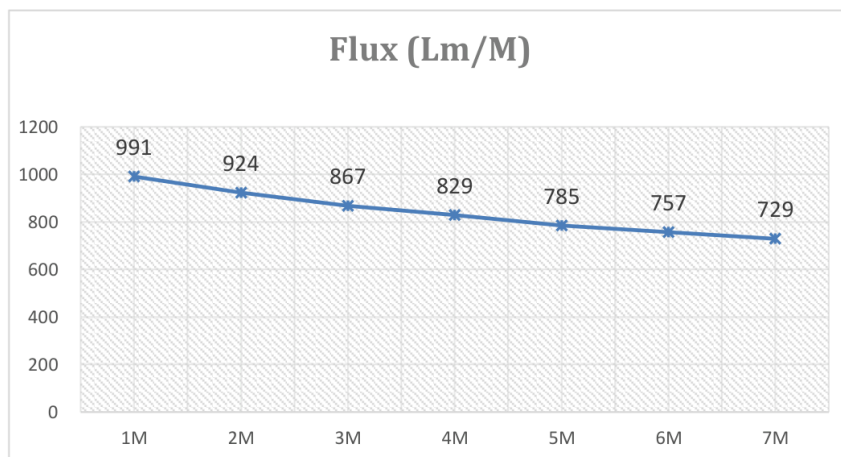
Dim-to-warm curve



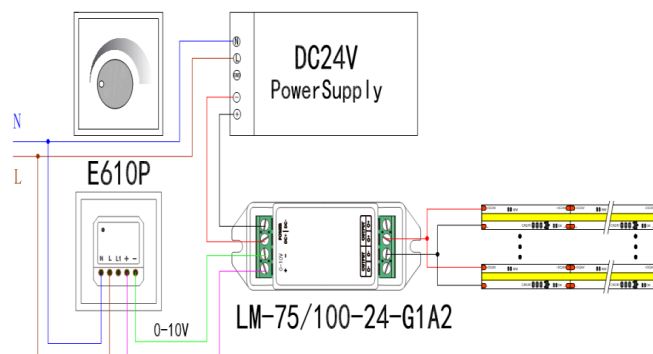
The curves show how the colour temperature (CCT) and the luminous flux change as the strip is dimmed down. As the flux decreases, the colour temperature decreases synchronously.

Brightness consistency

The recommended maximum run length with power fed from one end is 7 metres. The luminous flux per metre along the run is shown below.



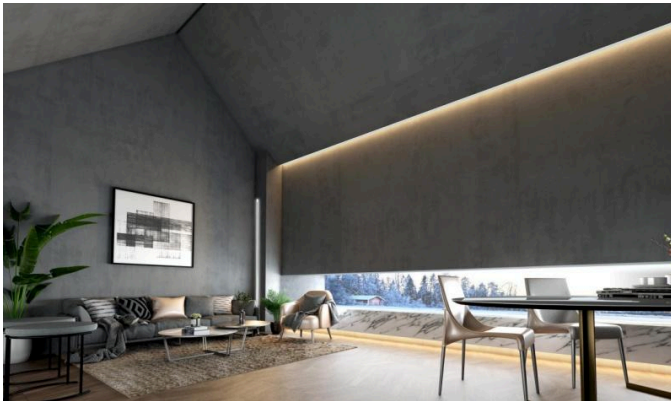
Installation



- The maximum run length is 7 metres. For longer runs, connect the sections in parallel.
- Make sure the total wattage of the LED strip is less than 80 % of the power supply's maximum output.
- Match the polarity according to the marks ('+' and '-') on the PCB when connecting.

Applications

Residential lighting, decorative lighting, cove and profile lighting.



Packaging

1. 5 metres per roll.
2. Each roll is packed in an anti-static bag and labelled.
3. 25 rolls per inner box (32 × 25 × 26 cm).
4. 2 inner boxes per master box (51 × 34 × 29 cm).

