

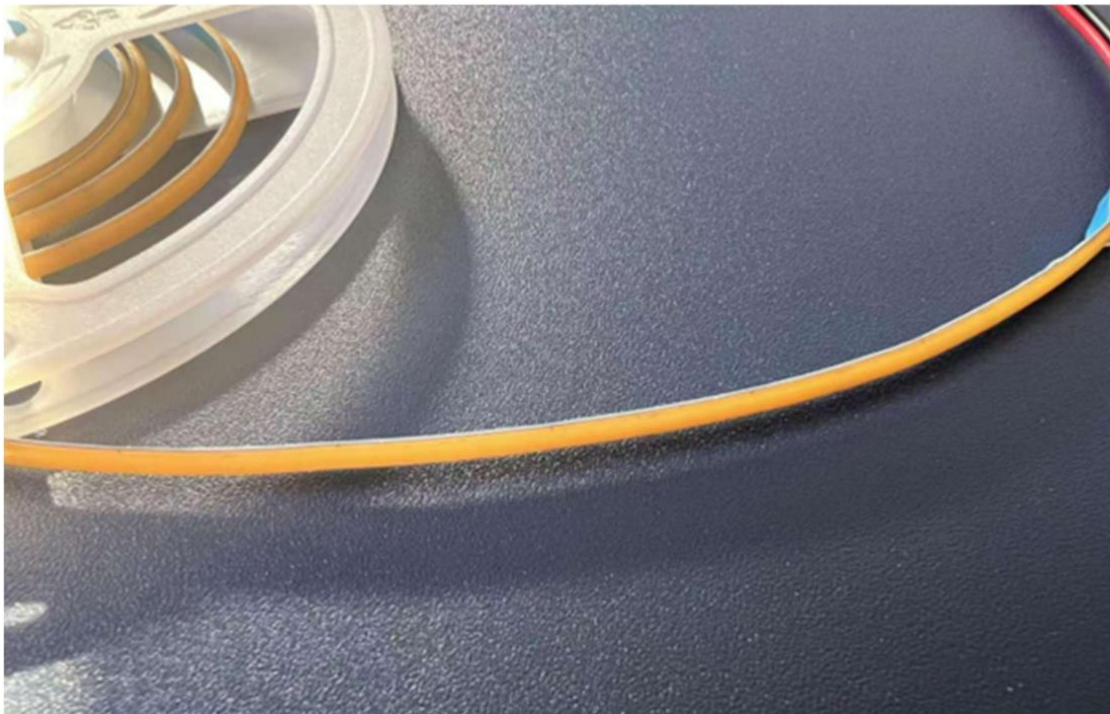


Lumistrips

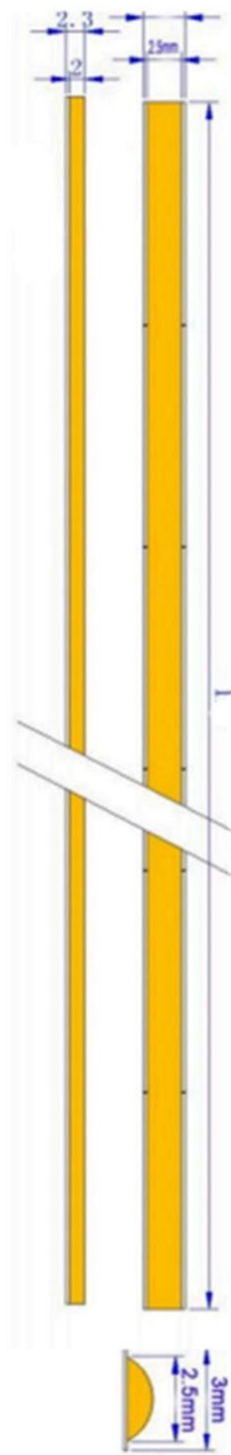
DATASHEET

SLIMFLEX COB ECONOMY LED STRIP WARM WHITE 3000K CRI90 2050LM 24V
22.7W 384 LEDS/M 5M

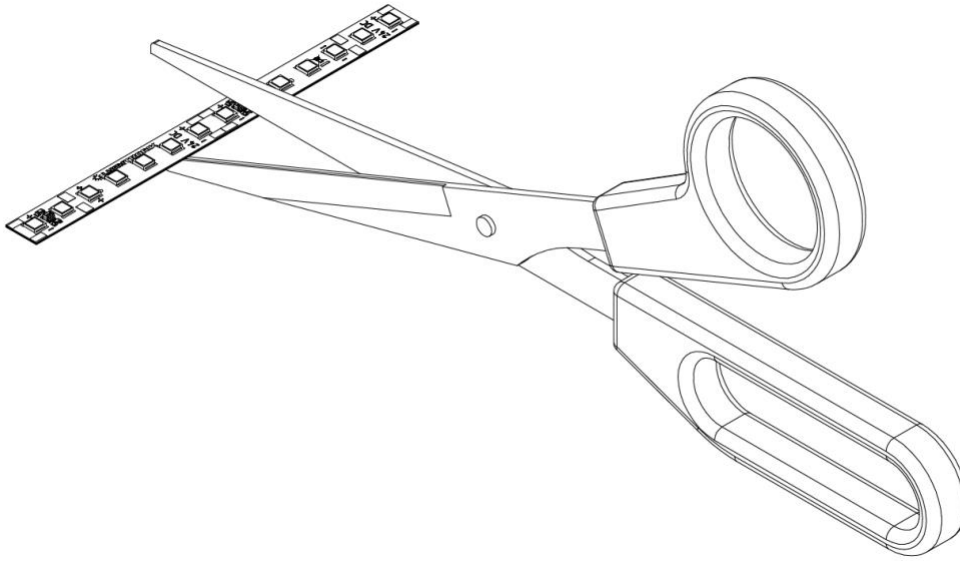
SKU: 42873



Article number (SKU)		42873	
Product name		SlimFlex COB Economy LED Strip Warm White 3000K CRI90 2050lm 24V 22.7W 384 LEDs/m 5m	
Classification		Economy	
Model identifier / family		SlimFlex COB Economy	
Photometric data (at T _J = 65°C, ±10%)			
Light color		Warm White	
Color temperature (K)		3000 K	
CRI (Ra)		>90	
Binning		3-Step MacAdam	
Luminous flux		2050 lm (5 x 1 m total)	410 lm/m
Luminous efficacy		90 lm/W	
Beam angle (FWHM)		180°	
Lifetime		>60,000 h	
Photometric code		930/339	
LED manufacturer / type		Not specified / COB	
LED density		384 LEDs/m	
Electrical data (at T _J = 65°C, ±10%)			
Operating mode		Constant voltage	
Nominal voltage		24 V DC	
Current		945 mA total; 189 mA/m	
Power		22.7 W total	4.54 W/m
Dimmable		Yes - PWM / CC dimming (observe I _{min})	
Cut interval		Not specified in source datasheet	
Flexible strip / mechanical data		Metric units	Imperial units
Total supplied length		5000 mm (5 x 1 m)	196.85 in
PCB width		3 mm	0.118 in
PCB height		2 mm	0.079 in
LED count / density		1920 COB LEDs total	384 LEDs/m
Adhesive backing		Adhesive foil	
Heat dissipation		Adhesive foil / mounting surface	
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		G	
Reference efficacy (energy label)		83.63 lm/W	
Document information			
Product data date		29 Jul 2025	

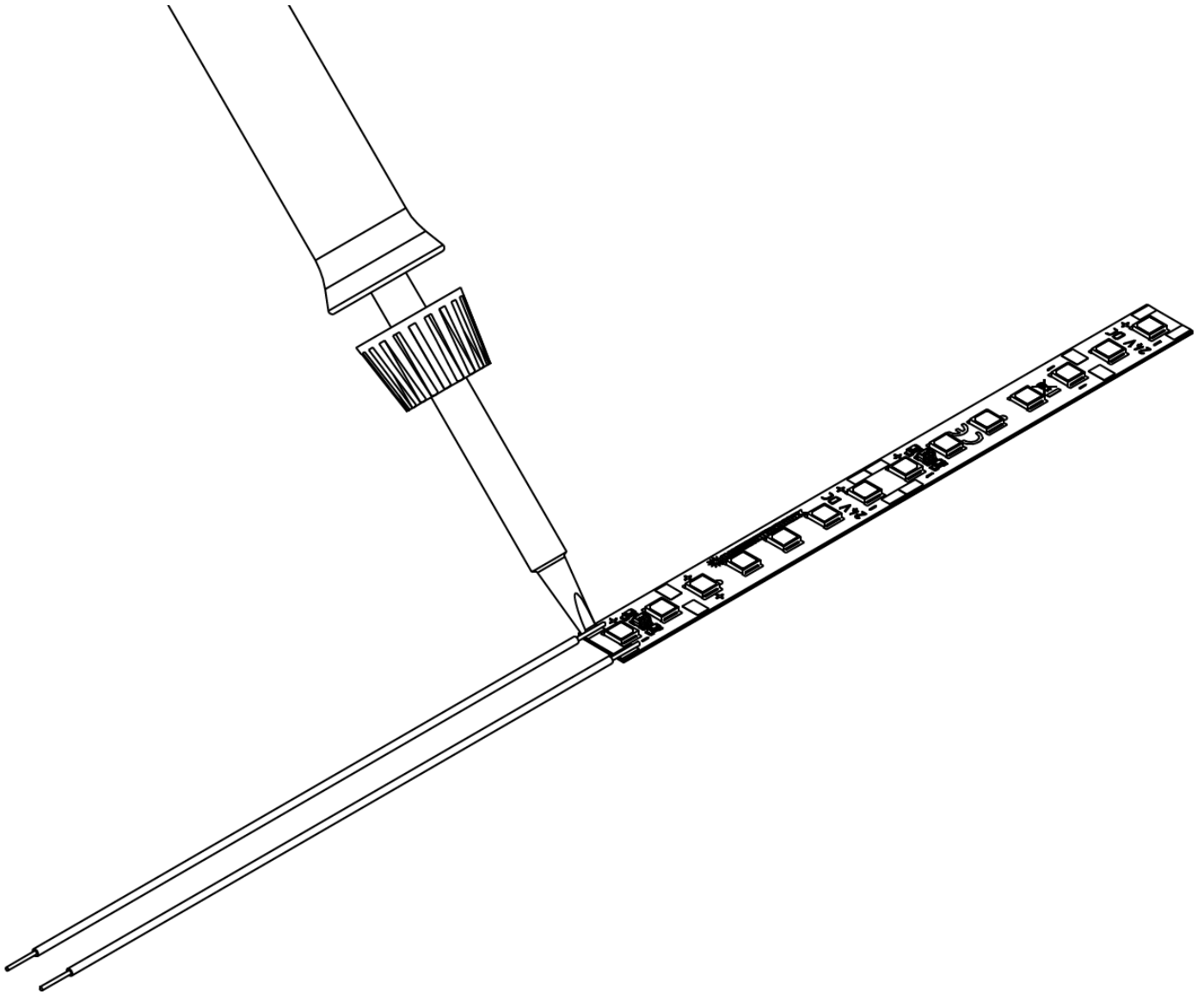


CUTTING AND SEGMENTATION



Cutting instructions: The supplied source datasheet does not specify a cut interval. Disconnect power before cutting and cut only at cut marks explicitly present on the product. Do not infer cut points from the 1 m mechanical drawing.

ELECTRICAL CONNECTION



Connect the strip to a regulated 24 V DC constant-voltage supply and observe polarity. The source specifies 189 mA and 4.54 W per metre. PWM and constant-current dimming are supported subject to the minimum-current requirement (I_{min}).

INSTALLATION AND THERMAL GUIDELINES

Mechanical handling. Do not twist, crease or sharply bend the COB strip, and do not apply force to the light-emitting surface or conductor tracks.

Thermal installation. Mount the strip to a clean, stable surface and keep T_c and ambient temperature within the specified limits. The source datasheet identifies adhesive foil as the mounting / heat-transfer interface.

Handling and environment. Observe ESD precautions and avoid aggressive chemicals or incompatible cleaning agents. For multi-metre installations, size wiring and feed points to limit voltage drop.

POWER SUPPLY REQUIREMENTS

Use an electronically regulated 24 V DC constant-voltage power supply with short-circuit, overload and overtemperature protection. Size the supply for the connected length: 4.54 W/m, or 22.7 W for the complete 5 x 1 m set.

PRODUCT INFORMATION & SUPPORT

www.ledrise.eu | www.lumistrips.com