LED STRIP · MINI CUTTING · 2835 SMD

MINI-MONO

10 mm single-colour LED strip, 120 LEDs/m, cuttable every 8.3 mm · 5 / 12 / 24 V DC



PCB WIDTH	10 mm
POWER (24 V)	19 W/m
VOLTAGE	5–24 V DC
CUT UNIT	8.3 mm
LED DENSITY	120 LEDs/m
MIN. BEND RADIUS	50 mm

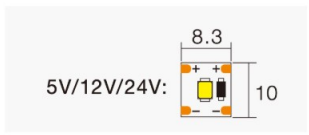
Overview

MINI-MONO is a 10 mm single-colour LED strip with 120 high-efficiency 2835 LEDs per metre that can be cut after every single LED, at 8.3 mm intervals. The very short cut unit lets the light run exactly to the end of a profile, recess or furniture edge without dark gaps, making it well suited to aluminium profiles, coves, shelves and interior details on board. Available for 5, 12 or 24 V DC, in CRI 80 and CRI 90 versions, PWM dimmable.

Specifications

Dimension	5000 × 10 × 1.2 mm (5 m reel)
LED	2835 SMD, 120 LEDs/m
Cut unit	1 LED / 8.3 mm
Power	19 W/m (24 V) · 14 W/m (12 V) · 12 W/m (5 V)
Current	0.79 A/m (24 V) · 1.16 A/m (12 V) · 2.4 A/m (5 V)
Colour temperature	2700K, 3000K, 4000K, 6000K
Colour rendering	CRI 80 or CRI 90
Beam angle	120°
Dimming	PWM
PCB	2 oz copper, high-thermal 3M adhesive
Lead wire	150 mm, red/black, 18 AWG
Min. bend radius	50 mm
Ambient temperature	−20 °C to +50 °C
Protection	IP20 standard; IP52, IP65H, IP65, IP67, IP67E, IP68 on request

Cut Unit



ORDERING INFORMATION

Product Code

MINI-MONO	3000K	CRI 90	24 V
MODEL	COLOUR TEMPERATURE	COLOUR RENDERING	VOLTAGE
	2700K · 3000K · 4000K · 6000K	CRI 80 · CRI 90	5 · 12 · 24 V DC

Specify colour temperature, CRI and supply voltage when ordering. Example: **MINI-MONO**, 3000K, CRI 90, 24 V DC.

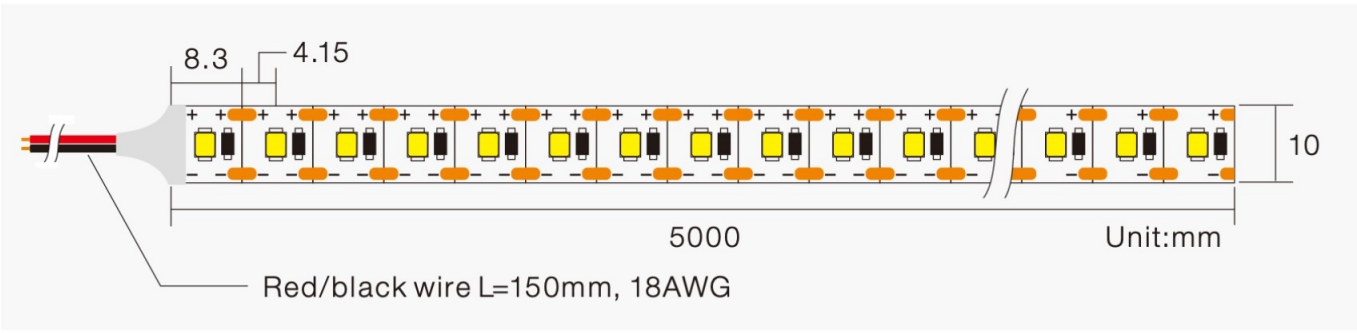
Photometric Data

COLOUR TEMPERATURE	POWER	LM/M CRI 90	LM/W CRI 90	LM/M CRI 80	LM/W CRI 80
MINI-MONO · 2700K	19 W/m	1461	76.9	2070	109.0
MINI-MONO · 3000K	19 W/m	1527	80.4	2148	113.1
MINI-MONO · 4000K	19 W/m	1579	83.1	2280	120.0
MINI-MONO · 6000K	19 W/m	1575	82.9	2300	121.1

Measured on IP20 strip at 24 V DC, 19 W/m, full output; colour temperature tolerance ±100K (4000K ±200K, 6000K ±300K). At 12 V and 5 V power is 14 W/m and 12 W/m with correspondingly lower output. 2100K and 2400K versions on request.

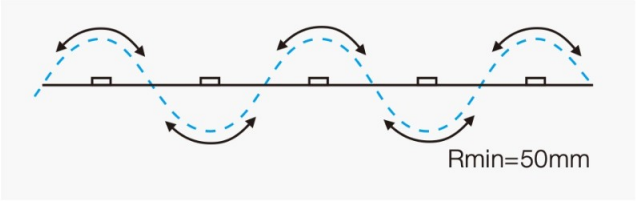
DIMENSIONS & INSTALLATION

Dimensions (unit: mm)



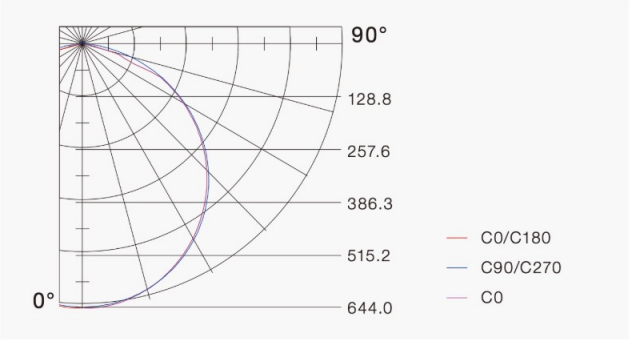
5 m reel, 10 mm PCB, cut mark every 8.3 mm (one LED); 150 mm red/black lead wire, 18 AWG.

Bending



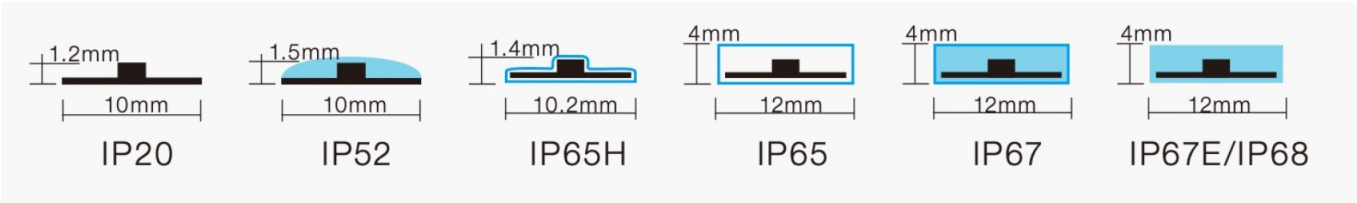
Flexible strip; minimum bend radius 50 mm. Do not bend at the cut marks.

Polar Curve



Reference: IP20, 24 V, CRI 90, 19 W/m, 6000K.

Waterproof Versions



VERSION	CONSTRUCTION	SIZE (W × H)
IP20	Bare PCB	10 × 1.2 mm
IP52	Silicone coating	10 × 1.5 mm
IP65H	Heat-shrink tube	10.2 × 1.4 mm
IP65	Silicone tube	12 × 4 mm
IP67	Silicone tube, filled	12 × 4 mm
IP67E / IP68	Solid silicone extrusion	12 × 4 mm

Light output and power may vary by up to ±10% due to production and component tolerances.