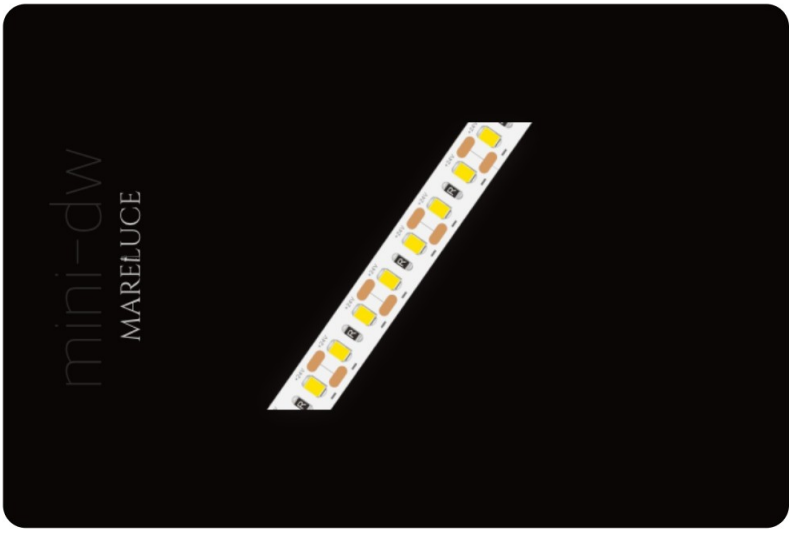
LED STRIP · MINI CUTTING · DYNAMIC WHITE

MINI-DW

10 mm tunable-white LED strip, 2700K–6000K, 120 LEDs/m, cuttable every 16.6 mm · 5 / 12 / 24 V DC



PCB WIDTH 10 mm	POWER (24 V) 19 W/m
VOLTAGE 5–24 V DC	CUT UNIT 16.6 mm
CCT RANGE 2700–6000K	MIN. BEND RADIUS 50 mm

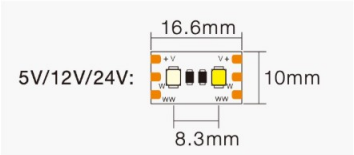
Overview

MINI-DW is a 10 mm dynamic-white LED strip that mixes warm 2700K and cool 6000K 2835 LEDs, 120 per metre, so the colour temperature can be tuned from warm to cool with a two-channel controller. It can be cut every two LEDs, at 16.6 mm intervals, for precise lengths in profiles, coves and furniture 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 (warm + cool white)
Cut unit	2 LEDs / 16.6 mm
Power	19 W/m (24 V) · 14 W/m (12 V) · 12 W/m (5 V), both channels on
Current	0.79 A/m (24 V) · 1.16 A/m (12 V) · 2.4 A/m (5 V)
Colour temperature	2700K to 6000K, tunable
Colour rendering	CRI 80 or CRI 90
Beam angle	120°
Dimming	PWM, two channels (WW / CW)
PCB	2 oz copper, high-thermal 3M adhesive
Lead wire	150 mm, 3-core, 20 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-DW	2700–6000K	CRI 90	24 V
MODEL	COLOUR TEMPERATURE	COLOUR RENDERING	VOLTAGE
	Tunable white	CRI 80 · CRI 90	5 · 12 · 24 V DC

Specify CRI and supply voltage when ordering. Example: **MINI-DW**, CRI 90, 24 V DC. Requires a two-channel (tunable white) controller.

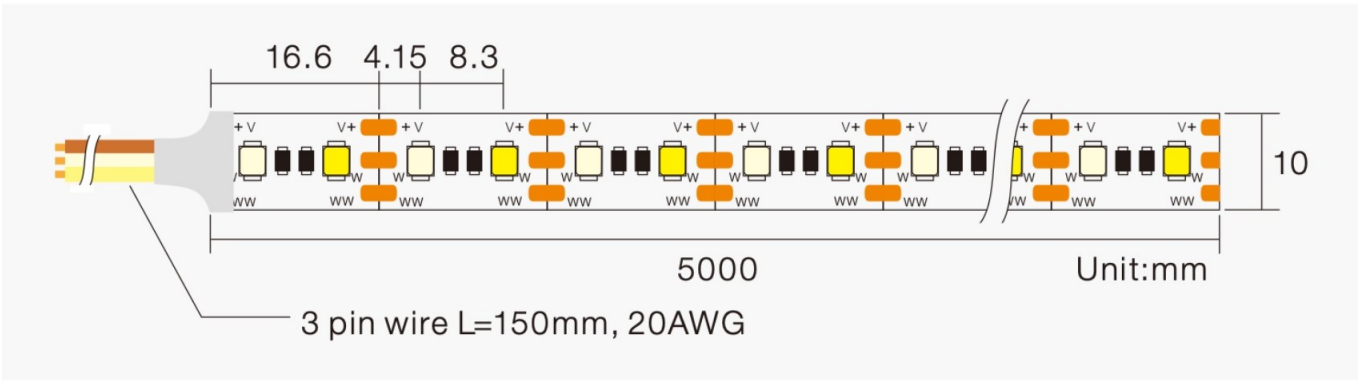
Photometric Data

CHANNEL	CCT	LM/M CRI 90	LM/W CRI 90	LM/M CRI 80	LM/W CRI 80
Warm white only	2700K	760	80.0	1026	108.1
Cool white only	6000K	815	85.8	1149	121.1
Both channels	2700K + 6000K	1531	80.6	2189	115.2

Measured on IP20 strip at 24 V DC, full output; colour temperature tolerance 2700K ±100K, 6000K ±400K. At 12 V and 5 V power is 14 W/m and 12 W/m with correspondingly lower output.

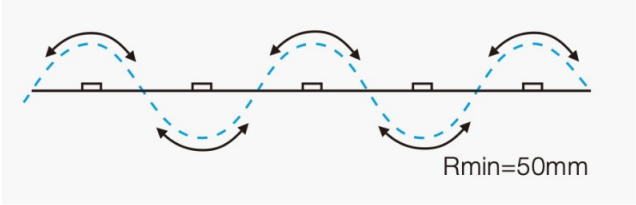
DIMENSIONS & INSTALLATION

Dimensions (unit: mm)



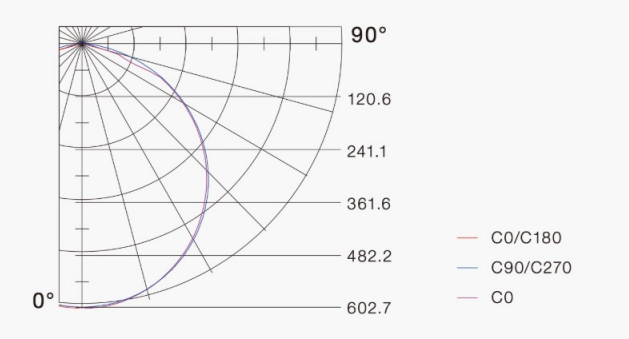
5 m reel, 10 mm PCB, cut mark every 16.6 mm (two LEDs); 150 mm 3-core lead wire, 20 AWG.

Bending



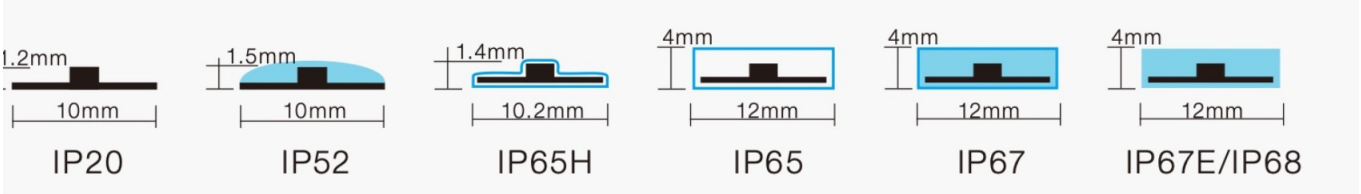
Flexible strip; minimum bend radius 50 mm. Do not bend at the cut marks.

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.