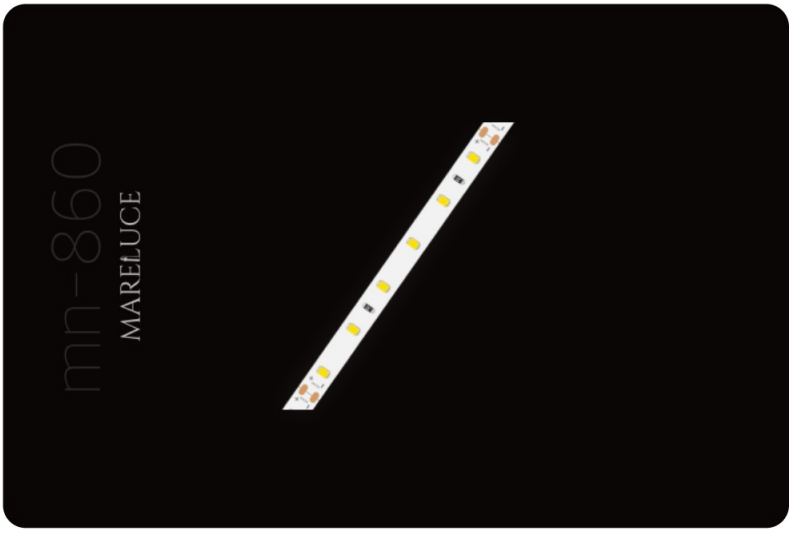
LED STRIP · SINGLE COLOUR · 2835 SMD

MN-860

8 mm single-colour LED strip, 60 LEDs/m, 12 W/m · 12 / 24 V DC



PCB WIDTH	8 mm
POWER	12 W/m
VOLTAGE	12 / 24 V DC
CUT UNIT (24 V)	100 mm
LED DENSITY	60 LEDs/m
MIN. BEND RADIUS	50 mm

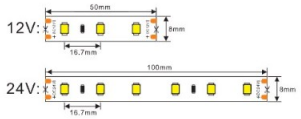
Overview

MN-860 is a slim 8 mm single-colour LED strip with 60 2835 LEDs per metre, delivering around 1100 lm/m at only 12 W/m. Its low power and narrow PCB suit indirect and accent lighting in shallow profiles, under cabinets, along steps and in coves on board, where an even line of light with low heat is needed. Available for 12 or 24 V DC, PWM dimmable.

Specifications

Dimension	5000 × 8 × 1.2 mm (5 m reel)
LED	2835 SMD, 60 LEDs/m, 16.7 mm pitch
Cut unit	6 LEDs / 100 mm (24 V) · 3 LEDs / 50 mm (12 V)
Power	12 W/m
Current	0.5 A/m (24 V) · 1 A/m (12 V)
Colour temperature	2700K, 3000K, 4000K, 6000K
Colour rendering	CRI 90 (CRI 80 on request)
Beam angle	120°
Dimming	PWM
PCB	2 oz double-layer copper, 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

MN-860	3000K	CRI 90	24 V
MODEL	COLOUR TEMPERATURE	COLOUR RENDERING	VOLTAGE
	2700K · 3000K · 4000K · 6000K	CRI 90 · CRI 80 on request	12 · 24 V DC

Specify colour temperature, CRI and supply voltage when ordering. Example: **MN-860**, 3000K, CRI 90, 24 V DC.

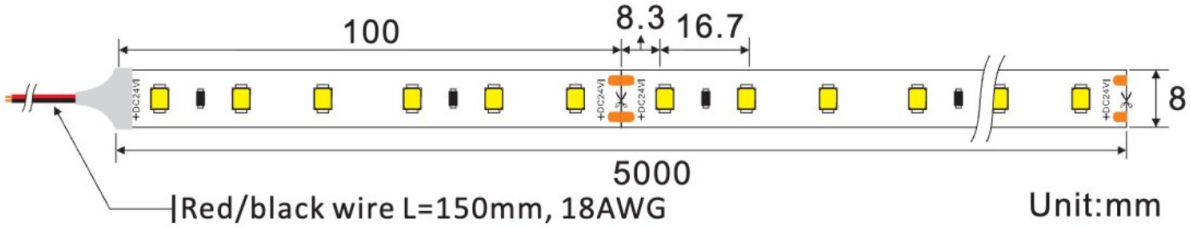
Photometric Data

COLOUR TEMPERATURE	POWER	LM/M CRI 90	LM/W CRI 90	LM/M CRI 80	LM/W CRI 80
MN-860 · 2700K	12 W/m	1063	88.6		on request
MN-860 · 3000K	12 W/m	1055	87.9		on request
MN-860 · 4000K	12 W/m	1161	96.8		on request
MN-860 · 6000K	12 W/m	1138	94.9		on request

Measured on IP20 strip at 12 W/m, full output; colour temperature tolerance ±100K (4000K ±200K, 6000K ±300K). 2100K and 2400K versions on request.

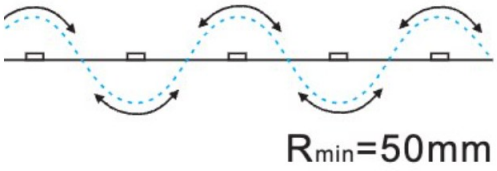
DIMENSIONS & INSTALLATION

Dimensions (unit: mm)



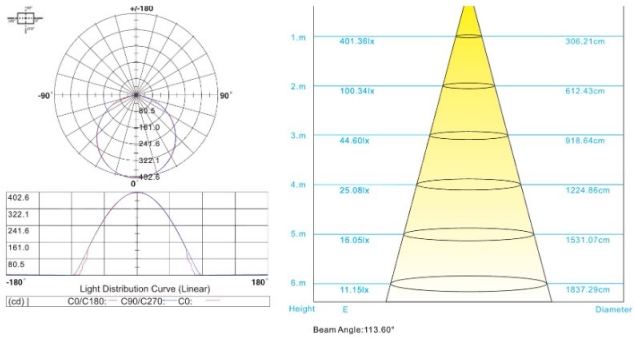
5 m reel, 8 mm PCB; cut marks every 100 mm (24 V) or 50 mm (12 V); 150 mm red/black lead wire, 18 AWG.

Bending



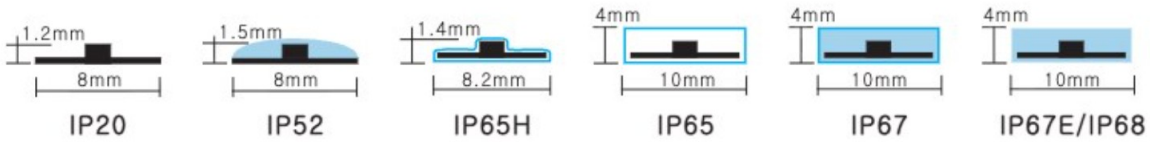
Flexible strip; minimum bend radius 50 mm. Do not bend at the cut marks.

Light Distribution



Reference: IP20, 1 m sample, CRI 90, 6000K. Beam angle 113.6°.

Waterproof Versions



VERSION	CONSTRUCTION	SIZE (W × H)
IP20	Bare PCB	8 × 1.2 mm
IP52	Silicone coating	8 × 1.5 mm
IP65H	Heat-shrink tube	8.2 × 1.4 mm
IP65	Silicone tube	10 × 4 mm
IP67	Silicone tube, filled	10 × 4 mm
IP67E / IP68	Solid silicone extrusion	10 × 4 mm

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