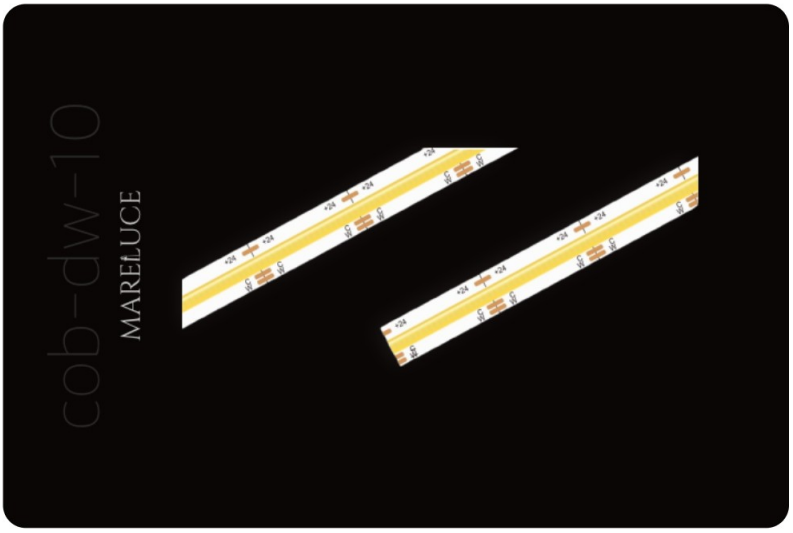
LED STRIP · COB · DYNAMIC WHITE

COB-DW-10

10 mm dot-free tunable-white COB LED strip, 576 chips/m, 10 / 15 W/m · 24 V DC



PCB WIDTH	POWER
10 mm	10 / 15 W/m
VOLTAGE	**CUT UNIT**
24 V DC	27.8 mm
CCT RANGE	**MIN. BEND RADIUS**
2700–6500K	10 mm

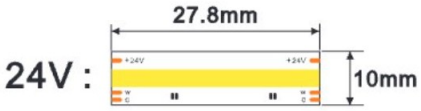
Overview

COB-DW-10 is a 10 mm tunable-white chip-on-board LED strip with 576 warm and cool white chips per metre under a continuous phosphor layer. It produces a dot-free line of light whose colour temperature can be tuned from warm 2700K to cool 6500K with a two-channel controller, up to 1605 lm/m at 15 W/m. 24 V DC, PWM dimmable.

Specifications

Dimension	5000 × 10 × 1.8 mm (5 m reel)
LED	COB tunable white, 576 chips/m
Cut unit	16 chips / 27.8 mm
Power	10 or 15 W/m (both channels on)
Current	0.42 A/m (10 W) · 0.625 A/m (15 W)
Colour temperature	2700K to 6500K, tunable
Colour rendering	CRI 90
Beam angle	180°
Dimming	PWM, two channels (WW / CW)
PCB	2 oz copper, high-thermal 3M adhesive
Ambient temperature	−20 °C to +50 °C
Max. run length	5 m
Min. bend radius	10 mm
Protection	IP20 standard; IP65H, IP65, IP67 on request

Cut Unit



ORDERING INFORMATION

Product Code

COB-DW-10	15 W	2700–6500K	24 V
MODEL	POWER	COLOUR TEMPERATURE	VOLTAGE
	10 · 15 W/m	Tunable white	24 V DC

Specify power when ordering. Example: **COB-DW-10**, 15 W/m, 24 V DC. Requires a two-channel (tunable white) controller.

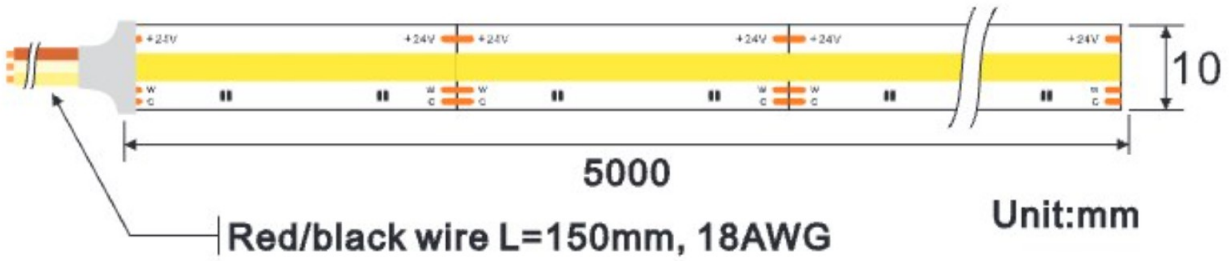
Photometric Data

CHANNEL	10 W/M LM/M	15 W/M LM/M	MAX RUN
Warm white only (2700K)	519	750	5 m
Cool white only (6500K)	614	881	5 m
Both channels	1120	1605	5 m

Measured on IP20 strip at 24 V DC, full output.

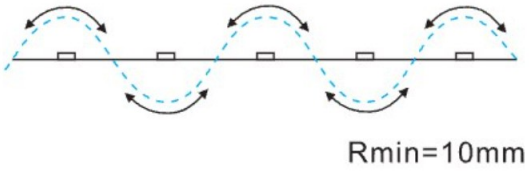
DIMENSIONS & INSTALLATION

Dimensions (unit: mm)



5 m reel, 10 mm PCB; cut marks every 27.8 mm (16 chips); 150 mm lead wire, 18 AWG.

Bending



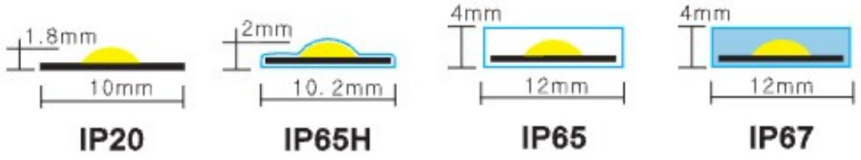
Flexible strip; minimum bend radius 10 mm.

Control

Channels	Warm white 2700K · cool white 6500K
Controller	Two-channel tunable-white (CCT) controller, 24 V DC
Dimming	PWM, below 2 kHz recommended

Mix the two channels to set any colour temperature between 2700K and 6500K.

Waterproof Versions



VERSION	CONSTRUCTION	SIZE (W × H)
IP20	Bare PCB	10 × 1.8 mm
IP65H	Heat-shrink tube	10.2 × 2 mm
IP65	Silicone tube	12 × 4 mm
IP67	Silicone tube, filled	12 × 4 mm

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