

PRODUCT SPECIFICATION

iCOB 15 W/m Free-Cut

COB-15-24-1C

Indoor COB LED strip | 24 V DC | 15 W/m | 10 mm | IP20

A continuous, dot-free COB LED strip for indoor use. This is the Free-Cut version: it can be cut anywhere, so you can get any length you want. High colour rendering ($Ra \geq 90$) in four whites from 2700K to 6500K.

CUT ANYWHERE

IMAGE PLACEHOLDER – cut-anywhere image (supplied by Mike)

PCB width 10 mm. Reel 5000 mm with 150 mm lead wires.

FEATURES

- 1 Free-Cut COB version – no light spot
- 2 Free-Cut version – you can get any length you want
- 3 10 mm PCB, 320 LEDs, CRI (Ra) ≥ 90
- 4 Constant voltage (CV), DC24V
- 5 3M 300 strong adhesive tape on the back
- 6 UL, cUL, CE and RoHS approved; complies with the European ErP Ecodesign regulation

KEY DATA

Item	Value
LED type	CRI 90+ COB LED, 320 LEDs
Input voltage	DC24V, constant voltage (CV)
Power	15 W/m
Cutting	Free Cut COB – AnyWhere
PCB width	10 mm
Light output	1450–1550 to 1600–1650 lm/m (by colour)
Efficacy	110 lm/W
Colour rendering	CRI (Ra) ≥ 90
Beam angle	180°
Maximum run	10 m at 24 V, fed from one end
Dimming	Dimmable
Ingress protection	IP20 – non-waterproof, indoor dry locations
Warranty	3 years

ORDERING & PHOTOMETRIC

Ordering and photometric data

COLOUR OPTIONS

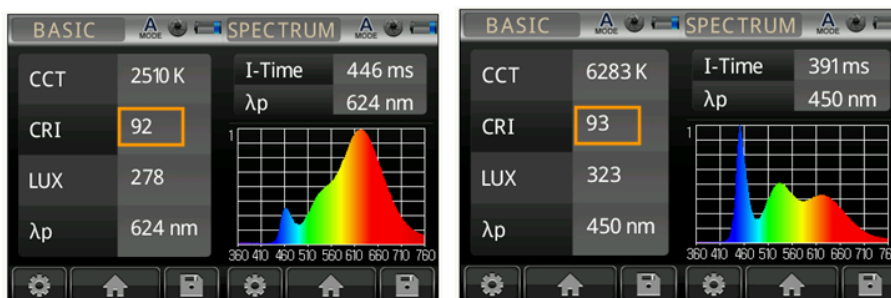
Code	Colour	CCT	Lumen (lm/m)	Efficacy	Energy class
COB-15-24-2700-1C	Warm White	2700K	1450-1550	110 lm/W	F
COB-15-24-3000-1C	Warm White	3000K	1500-1550	110 lm/W	F
COB-15-24-4000-1C	Nature White	4000K	1550-1600	110 lm/W	F
COB-15-24-6500-1C	Pure White	6500K	1600-1650	110 lm/W	F

All options: DC24V, 15 W/m, 320 LEDs, 10 mm PCB, CRI (Ra) ≥ 90, IP20, sold on 5 m reels.

ELECTRICAL

Item	Value
Supply	24 V DC constant-voltage LED driver
Power per metre	15 W/m
Maximum run	10 m at 24 V, fed from one end
Polarity	Marked on the PCB (+24V / -)
Dimming	Dimmable

COLOUR RENDERING TEST

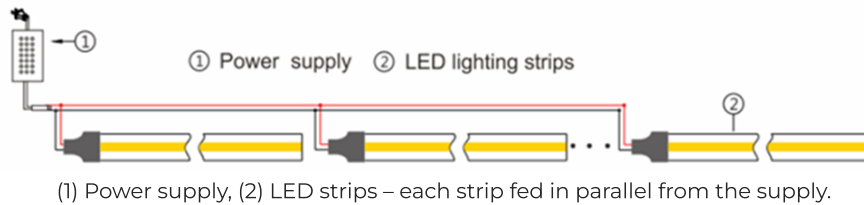


Spectrometer readings: 2510 K – CRI 92; 6283 K – CRI 93.

INSTALLATION GUIDE

Installation

PARALLEL CONNECTION



INSTALLATION STEPS

- 1 Check the strip**
Confirm the code, colour and 24 V DC supply before fitting. Keep the strip on its reel until you are ready.
- 2 Prepare the surface**
Fit indoors in dry locations only (IP20). Mount on a clean, dry, smooth surface – an aluminium profile is recommended.
- 3 Cut to length**
Free-Cut: cut anywhere along the strip with sharp scissors, square to the strip.
- 4 Mount**
Peel the 3M 300 adhesive liner and press the strip firmly into place. Do not fold the PCB sharply.
- 5 Wire in parallel**
Run each strip back to the 24 V DC supply in parallel, as shown. Match + and – to the marks on the PCB.
- 6 Commission**
Mains wiring to the driver by a licensed electrician. Check polarity, then switch on and check the light line.

VERSIONS, PACKING AND APPROVALS

Item	Value
Version supplied	IP20 – non-waterproof (an IP67 version with silicone tube also exists)
Packing	5 m reel in a sealed anti-static bag, packed in a carton
Approvals	UL, cUL, CE, RoHS; complies with the European ErP Ecodesign regulation
Beam angle	180°
Ambient temperature	-20 to +40 °C
Lifetime	30,000 hours
Warranty	3 years

Installation must follow all applicable regulations and standards; mains wiring by a licensed electrician only.