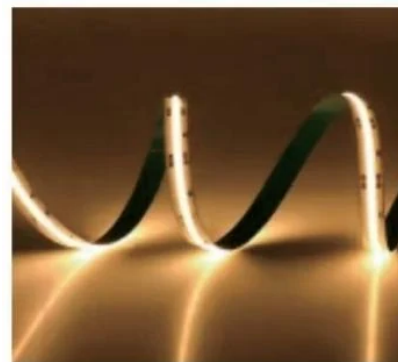


PRODUCT FAMILY DATASHEET

LED Strip and Neon Flex

Flexible strip and neon flex for cove lighting, edge lighting and linear detail: COB CCT, 5050 RGBW, DMX512-addressable neon flex and a 220 V high-voltage strip that runs long lengths without a low-voltage driver.



What This Family Is For

Where the light has to be a continuous line rather than a row of points. Four products covering dot-free COB, colour mixing, DMX control and mains-voltage runs.

Products In This Family

Product	Group	Summary
DMX512 Neon Flex Strip, 60 LEDs/m	RCC60AF12Z-1225-DMX512	DMX512-addressable RGBW neon flex, 60 LEDs/m, 24 V, 450 lm/m, cut every 100 mm, 5 m per roll.
COB LED Strip, CCT Series, 640 LEDs/m	RB0Z0WW08A	Dot-free COB strip at 640 LEDs/m, 24 V, 800 lm/m, Ra > 90, cut every 25 mm.
5050 LED Strip, Colorful Series, RGBW 60 LEDs/m	R060AH10Q (12 V) / R060AH10R (24 V)	SMD5050 RGBW strip at 60 LEDs/m, 17.2 W/m, available in a 12 V and a 24 V model with different cut lengths.
2835 LED Strip, High Voltage Series, 120 LEDs/m	R7C0GX10I	220 V mains strip at 120 LEDs/m, 1440 lm/m and 120 lm/W, cut every 100 mm.

Published Specification

Property	Value
Model	DMX512 Neon Flex Strip, 60 LEDs/m
Series	RCC60AF12Z-1225-DMX512
Module size	5000 x 12 x 25 mm
Input voltage	DC 24 V
Power	18 W per metre
LED layout	60 LEDs per metre, 16.7 mm spacing
FPC width	12 mm
Luminous efficacy	25 lm/W
Luminous flux	450 lm per metre
Colour rendering	Ra > 80
Beam angle	Not published
Ingress protection	Not published
Cascade limit	Cut every 100 mm / 6 LEDs
Colour options	SMD5050 RGBW 4-in-1
Sign depth designed for	Not applicable

Property	Value
Operating temperature	Not published
Storage temperature	Not published
Warranty	Not published
Packing	Not published
Carton weight	Not published
Carton dimensions	Not published

Figures are reproduced from the manufacturer's published specification and may be revised. Rows reading 'not published' are figures the source specification does not publish; they are confirmed in writing rather than estimated. Confirm the current revision with your quotation.

Why Buyers Choose This Range

- Cut lengths published for every product, from 25 mm on the COB strip
- A 220 V mains model for long runs with no low-voltage driver
- Ra > 90 on the COB CCT series
- DMX512 addressable neon flex for pixel-controlled runs

Problems It Solves

- A cove lit with a discrete-LED strip, where every emitter reflects as a dot in the ceiling.
- A low-voltage strip run so long that the far end is visibly dimmer.
- A colour strip cut at the wrong point, which kills the last segment.
- A tape specified without its cut length, so the detail cannot be wrapped.

Who It Is For

- Shop fitters and joiners building illuminated coves and reveals
- Architectural lighting contractors
- Signage companies adding linear detail to fascia work
- Distributors stocking strip alongside sign modules

Application Scenarios

- Illuminated coves and ceiling reveals
- Under-counter and display case lighting
- Linear detail on shop fascias
- Pixel-mapped architectural features using the DMX512 neon flex

Materials

- Injection-moulded housing with the optic moulded in, rather than a lens glued on afterwards.
- Potting compound filling the cavity around the board, which is what carries the IP rating.
- Pre-tinned lead wires on both ends for cascading, cut to the published module pitch.
- 3M backing tape on the models where the specification lists it, for direct mounting to the inside of a return.

Manufacturing Process

1. Patch - SMT placement of the emitters onto the module board, photographed as stage one on the factory's own process board.
2. Solder wire - Lead wires are soldered and strain-relieved before the housing is closed.
3. Injection moulding - The housing and the optic are moulded together, then the cavity is potted.
4. Testing - Electrical test under load before the module leaves the line.
5. Back glue - 3M backing tape is applied to a cleaned housing on the models specified with it.
6. Aging - Finished modules are run on the aging rack before packing.

Customisation Options

- Colour temperature selected per order from the published options rather than held as one stock colour.

- Lead wire length and module pitch cut to the sign layout instead of a default spacing.
- OEM and ODM work: the source site states that OEM and ODM are supported for customers in all markets.
- Packing quantity per bag and per carton adjusted to how the modules will be issued on the fabrication floor.

Certification Standards

Production follows CE, RoHS, LVD, IP68 test report, UL. Certificates are sent per model and destination market on request.

Questions Buyers Ask

Which strip has no visible dots?

The COB CCT series. 640 emitters a metre under one phosphor line reads as a continuous bar rather than a row of points.

Why is one strip 220 V?

So a long run does not need a low-voltage driver every few metres. The 2835 high-voltage series publishes 1440 lm and 12 W per metre at 220 V.

Where can these strips be cut?

Every product publishes its own cut length: 25 mm on the COB, 50 or 100 mm on the 5050 RGBW depending on voltage, and 100 mm on the DMX512 neon flex and the 2835 high-voltage strip.

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