DOTLESS LED NEON FLEX STRIP · TOP VIEW · IP65

FLEX-1204

12 × 4 mm dotless silicone LED strip with a neon look, 24 V DC



PROFILE	12 × 4 mm
POWER	5–15 W/m
VOLTAGE	24 V DC
PROTECTION	IP65
MAX. RUN	5 m
CUT UNIT	25 mm

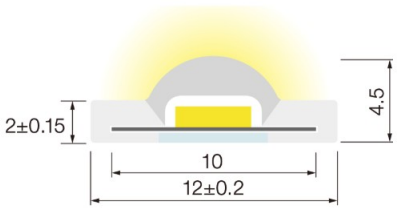
Overview

FLEX-1204 is a slim 12 × 4 mm LED strip fully encapsulated in a three-colour, one-piece silicone extrusion with a frosted dome. It gives a continuous, dot-free line of light with the look of neon flex in a much lower profile. Injection-moulded plugs seal the ends to IP65, and the frosted, dust-proof and UV-resistant surface suits yacht interiors, furniture details and sheltered exterior areas. Available in single colours, tunable white and colour-changing versions; 24 V DC, PWM dimmable.

Specifications

Dimension	5000 × 12 × 4 mm (5 m reel)
Construction	Three-colour silicone one-piece extrusion, frosted dome
Light	Dotless, continuous line
Power	5, 10 or 15 W/m
Voltage	24 V DC, constant voltage (SPI: 12 V DC)
Colour options	Single colour 2400K–6500K and R, G, B, Yellow, Amber, Pink; tunable white, RGB, SPI RGB
Colour rendering	CRI 90 (white versions)
Colour consistency	SDCM < 5
Cut unit	25 mm (single colour)
Max. run length	5 m, single feed
Protection	IP65, injection-moulded plugs
Dimming	PWM
Bend direction	Vertical
Lifetime	50,000 h

Cross Section



ORDERING INFORMATION

Product Code

FLEX-1204
MODEL

3000K
COLOUR
2400–6500K · colours · TW · RGB · SPI

15 W
POWER
5 · 10 · 15 W/m

24 V
VOLTAGE
24 V DC

Specify colour, version and power when ordering. Example: **FLEX-1204**, 3000K, 10 W/m, 24 V DC.

Photometric Data

COLOUR	5 W/M · LM/M	LM/W	10 W/M · LM/M	LM/W	15 W/M · LM/M	LM/W
2400K	429	85.9	826	82.6	1208	80.6
2700K	433	86.6	833	83.3	1244	82.9
3000K	436	87.3	840	84.0	1243	82.8
3500K	484	96.7	930	93.0	1364	91.0
4000K	442	88.4	851	85.1	1258	83.9
5000K	443	88.7	854	85.4	1259	84.0
6500K	450	90.0	867	86.7	1270	84.6
Red	142	28.4	281	28.1	416	27.7
Green	349	69.8	628	62.8	823	54.9
Blue	62	12.4	121	12.1	176	11.7
Yellow	88	17.6	200	20.0	294	19.6
Amber	108	21.6	246	24.6	345	23.0
Pink	274	54.8	519	51.9	755	50.3

Single colour, measured at 24 V DC; white versions CRI 90, SDCM < 5. Typical values, tolerance ±10%.

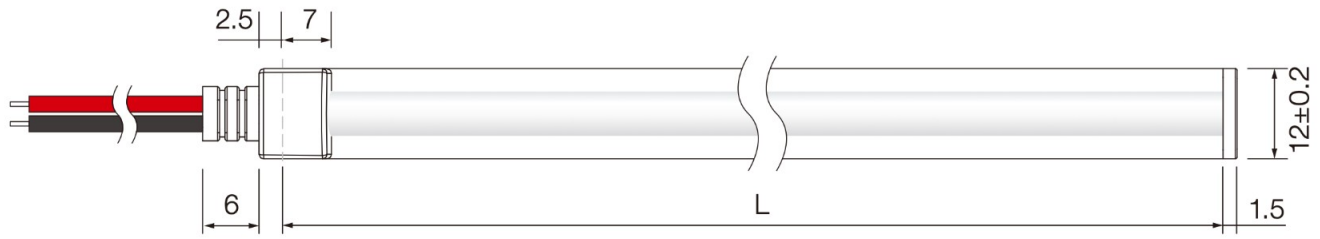
Multi-channel Versions

VERSION	CHANNEL	POWER	LM/M	LM/W
Tunable white	2700K / 6500K, each channel	5 W/m	422 / 434	84.4 / 86.8
Tunable white	4000K, both channels	10 W/m	849	84.9
Tunable white 15 W	4000K, both channels	15 W/m	1241	82.7
RGB	R / G / B	10 total W/m	54 / 175 / 31	16.4 / 53.0 / 9.4
RGB	All channels	10 W/m	264	26.4
SPI RGB (12 V)	All channels, 100 px/m, UCS1903	13 W/m	208.5	16.0

DIMENSIONS & INSTALLATION

Dimensions (unit: mm)

Top view



Side view



L = ordered length. Injection-moulded plug with lead wire at the feed end; closed plug at the far end.

Control

VERSION	CONTROLLER
Single colour	1-channel PWM dimmer
Tunable white	2-channel CCT controller
RGB	3-channel RGB controller
SPI RGB	SPI pixel controller, UCS1903, 12 V DC

Use a constant-voltage power supply matching the rated voltage and do not exceed the maximum run length; feed longer lines from several points.

Installation

Mounting	Clips or aluminium profile
Bending	Vertical plane; do not bend at the plugs
Cutting	Only at the marked cutting points; reseal cut ends

Keep plugs and connections out of standing water on deck and exterior areas.

Cut & Run Length

VERSION	CUT UNIT	MAX. RUN	LEAD WIRE
Single colour	25 mm	5 m	2-core
Tunable white	83.3 mm	5 m	3-core
RGB	50 mm	5 m	4-core
SPI RGB (12 V)	10 mm	3 m	3-core, data

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