DOTLESS LED NEON FLEX STRIP · TOP VIEW · IP65

FLEX-1004

10 × 4 mm dotless silicone LED strip with a neon look, 24 V DC



PROFILE	10 × 4 mm
POWER	5–10 W/m
VOLTAGE	24 V DC
PROTECTION	IP65
MAX. RUN	5 m
CUT UNIT	25 mm

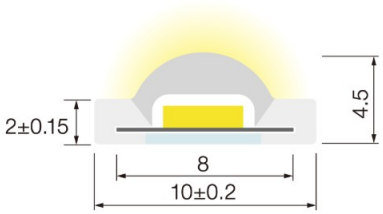
Overview

FLEX-1004 is a slim 10 × 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 × 10 × 4 mm (5 m reel)
Construction	Three-colour silicone one-piece extrusion, frosted dome
Light	Dotless, continuous line
Power	5 or 10 W/m
Voltage	24 V DC, constant voltage (SPI: 5 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-1004	3000K	10 W	24 V
MODEL	COLOUR	POWER	VOLTAGE
	2400–6500K · colours · TW · RGB · SPI	5 · 10 W/m	24 V DC

Specify colour, version and power when ordering. Example: **FLEX-1004**, 3000K, 10 W/m, 24 V DC.

Photometric Data

COLOUR	5 W/M · LM/M	LM/W	10 W/M · LM/M	LM/W
2400K	409	81.9	815	81.5
2700K	423	84.6	822	82.2
3000K	422	84.4	829	82.9
3500K	476	95.2	918	91.8
4000K	439	87.9	866	86.6
5000K	443	88.5	869	86.9
6500K	453	90.6	886	88.6
Red	146	29.2	308	30.8
Green	413	82.6	707	70.7
Blue	70	14.0	137	13.7
Yellow	106	21.2	226	22.6
Amber	128	25.6	278	27.8
Pink	287	57.4	567	56.7

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

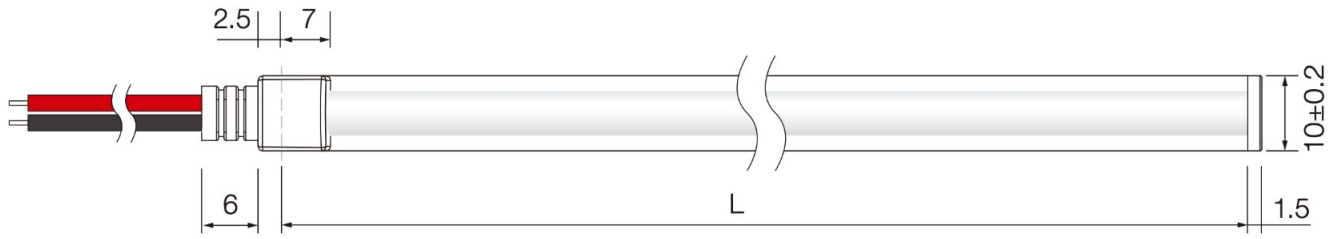
Multi-channel Versions

VERSION	CHANNEL	POWER	LM/M	LM/W
Tunable white	2700K / 6500K, each channel	5 W/m	415 / 418	83.0 / 83.6
Tunable white	4000K, both channels	10 W/m	826	82.6
RGB	R / G / B	10 total W/m	60 / 176 / 32	18.2 / 53.3 / 9.7
RGB	All channels	10 W/m	268	26.8
SPI RGB (5 V)	All channels, 100 px/m, UCS1903	8 W/m	87.3	10.9

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, 5 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 (5 V)	10 mm	2 m	3-core, data

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