DOTLESS LED NEON FLEX STRIP · TOP VIEW · IP65

FLEX-1445

14 × 4.5 mm dotless silicone LED strip with a neon look, 24 V DC



PROFILE 14 × 4.5 mm	POWER 5–15 W/m
VOLTAGE 24 V DC	PROTECTION IP65
MAX. RUN 5 m	CUT UNIT 25 mm

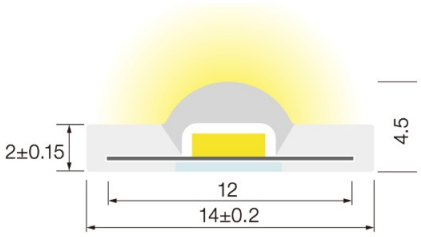
Overview

FLEX-1445 is a slim 14 × 4.5 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 × 14 × 4.5 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**
Colour options	**Single colour 2400K–6500K and R, G, B, Yellow, Amber, Pink; tunable white, RGB, RGBW**
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-1445	3000K	15 W	24 V
MODEL	COLOUR	POWER	VOLTAGE
	2400–6500K · colours · TW · RGB · RGBW	5 · 10 · 15 W/m	24 V DC

Specify colour, version and power when ordering. Example: **FLEX-1445**, 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	449	89.8	845	84.5	1234	82.3
2700K	445	89.1	853	85.3	1272	84.8
3000K	444	88.7	858	85.8	1271	84.7
3500K	489	97.7	950	95.0	1399	93.2
4000K	449	89.9	862	86.2	1273	84.9
5000K	453	90.6	869	86.9	1283	85.5
6500K	458	91.6	879	87.9	1298	86.5
Red	142	28.4	282	28.2	420	28.0
Green	375	75.0	674	67.4	882	58.8
Blue	70	14.0	123	12.3	179	11.9
Yellow	116	23.2	223	22.3	318	21.2
Amber	140	28.0	274	27.4	386	25.7
Pink	287	57.4	534	53.4	782	52.1

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

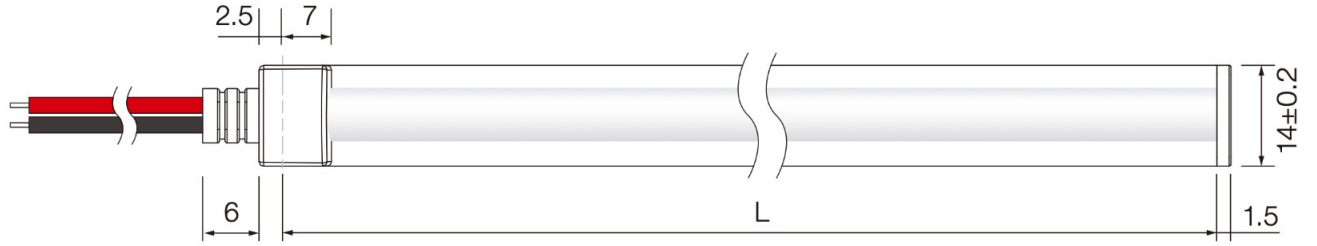
Multi-channel Versions

VERSION	CHANNEL	POWER	LM/M	LM/W
Tunable white	4000K, both channels	10 W/m	860	86.0
Tunable white 15 W	4000K, both channels	15 W/m	1264	84.0
RGB	All channels	10 W/m	260	26.0
RGB 15 W	All channels	15 W/m	334	22.3
RGBW	RGB + W 4000K, all on	15 W/m	701	46.7

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
RGBW	4-channel RGBW controller

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
RGBW	83.33 mm	5 m	5-core

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