

HV Flicker-Free

SMD 2835 | 12mm (0.47in)

SMD

p/n: VFL-FFHV2835-927K-70-12-230V14



Features

- Plug and Play, 230VAC input with European Plug
- Cuttable unit 200mm (7.87in)
- Silicone extrusion IP65 waterproof
- Flicker-free
- Durable, flexible and low profile
- Maximum run 50 meters (164ft) per reel



Electrical Data

Voltage	220 ~ 240V AC / 50/60Hz
Wattage	14W/m (4.26W/ft)
Current	0.06A/m (0.01A/ft)/230V

LED Data

LED type	SMD 2835
Manufacturer	OSRAM
Chips	70 Led/m (21 Led/ft)

Photometric Data

Color temperature	2700K / 3000K / 3500K 4000K / 6500K
Color rendering index Ra	>90
Luminous flux	1,178 Lm/m (359 Lm/ft) @ 3000K 1,120 Lm/m (341 Lm/ft) @ 2700K
Luminous efficacy	80 Lm/W @ 2700K
Beam angle	120°
Dimmable	0~100%
Flicker	Pst LM < 1 & SVM < 0.4

Construction / Protection

Substrate	Double layer FPCB
Thickness of FPCB	2 oz
Mounting	Double sided tape or clips
IP rating	See figure 3.
Operating temperature	-20 ~ +50 °C (-4 ~ 122 °F)
Storage temperature	-20 ~ +70 °C (-4 ~ 158 °F)

Dimensions

Cutting increments	200 mm (7.87 in) See figure 1.
Length	50 m (164 ft)
Width	16.0 mm (0.62 in)
Height	12.0 mm (0.474 in)

Lifetime

Lifespan (L70)	>50,000 hours
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Testing environment temperature = 25 °C (77°F)



Figure 1.

Dimensions & Cutting increments

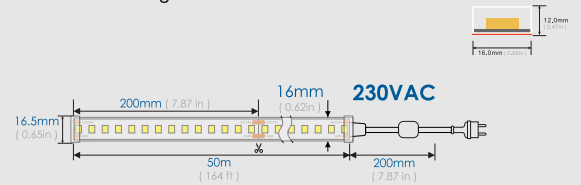


Figure 2.

Suitable Accessories

Mounting accessories

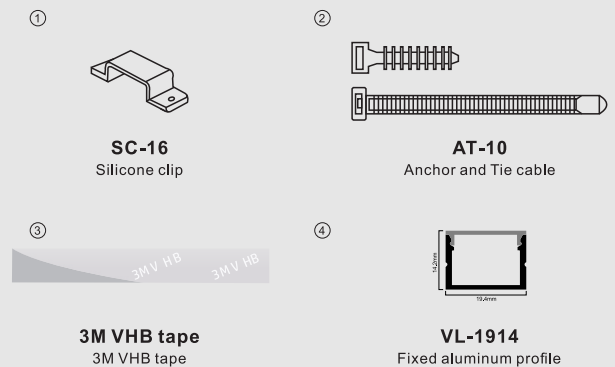


Figure 3.

IP Protection Ratings

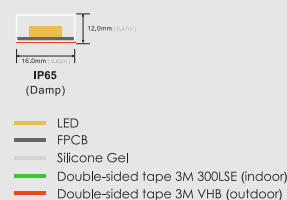


Figure 4.

Ordering Code

Series	LED type	CRI	CCT	LED Qty	PCB Width	IP Rating	Voltage	Power/m
VFL	FFHV	2835	9 xxK	70	12	WP65	230V	14
			9 - 90+ 8 - 80+	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K 65K - 6500K				