

Plug-Play

2835 | 10W/m | 12mm

SMD

p/n: VFL-HV2835-940K-120-12-120V10



Features

- Plug and Play, 120VAC input with American Plug
- Cuttable unit 100mm
- Silicone extrusion IP65 waterproof
- CRI>90
- Durable, flexible and low profile
- Maximum pack 30 meters per reel



Electrical Data

Voltage	120V AC
Wattage per meter	10W
Current per meter	0.08A/120V

LED Data

LED type	SMD 2835
Manufacturer	OSRAM
Chips per meter	120

Photometric Data

Color temperature	2700K / 3000K 4000K / 6500K
Color rendering index Ra 	>90
Luminous flux per meter	900 Lm @ 4000K 855 Lm @ 3000K
Luminous efficacy	90Lm/W @ 4000K
Beam angle	120°
Dimmable	0~100%

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°
Storage temperature	-20 ~ +70 C°

Dimensions

Cutting increments	100 mm
	See figure 1.
Length	30 m
Width	16 mm
Height	7.0 mm

Lifetime

Lifespan (L70)	>36,000 hours
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Testing environment temperature = 25 C°



Figure 1.

Dimensions & Cutting increments

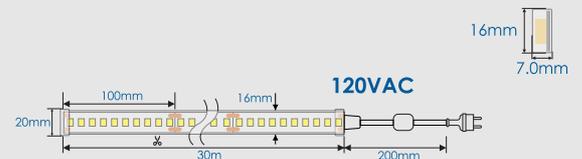


Figure 2.

Suitable Accessories

1.Connection accessories



PC-120V-20CM
Power cable connection

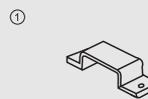


EC120V-20CM
Extension cable connection



SE-12
Sealed end cap

2.Mounting accessories



SC-12
Silicone clip



AT-10
Anchor and Tie cable



3M VHB tape
3M VHB tape



VL-1914
Fixed aluminum profile

Figure 3.

IP Protection Ratings



- LED
- FPCB
- Silicone Gel
- Double-sided tape 3M 300LSE (indoor)
- Double-sided tape 3M VHB (outdoor)