

High-Efficacy series

SMD 2835 | 8mm (0.32in)

SMD

p/n: VFL-HE2835-927K-160-8-24V09



Features

- 160x SMD LED per meter (48xSMD LEDs per foot)
- Up to 1,395Lm/m (425Lm/ft)
- High efficacy of 155Lm/W
- CRI>90
- Durable, flexible and low profile
- Double sided 3M tape mounting



Electrical Data

Voltage	24V DC
Wattage	9W/m (2.74W/ft)
Current	0.4A/m (0.12A/ft)/24V

LED Data

LED type	SMD 2835
Manufacturer	Lumileds
Chips	160 Led/m (48 Led/ft)

Photometric Data

Color temperature	2700K / 3000K / 3500K 4000K / 6500K
Color rendering index Ra	>90
Luminous flux	1,545 Lm/m (471 Lm/ft) @ 4000K 1,395 Lm/m (425 Lm/ft) @ 2700K
Luminous efficacy	155 Lm/W @ 2700K
Beam angle	120°
Dimmable	0~100%

Construction / Protection

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

Dimensions

Cutting increments	50 mm (1.97 in) See figure 1.
Length	5 m (16.4 ft)
Width	8 mm (0.32 in)
Height	1.6 mm (0.06 in)

Lifetime

Lifespan (L70)	>54,000 hours
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Testing environment temperature = 25 °C (77°F)



Figure 1.

Dimensions & Cutting increments

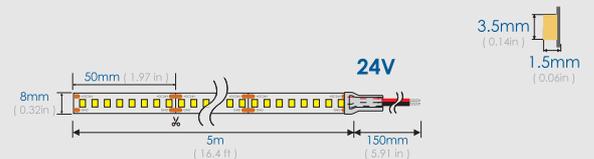


Figure 2.

Suitable Accessories

Connector-IP20/IP54



Profile



Figure 3.

IP Protection Ratings

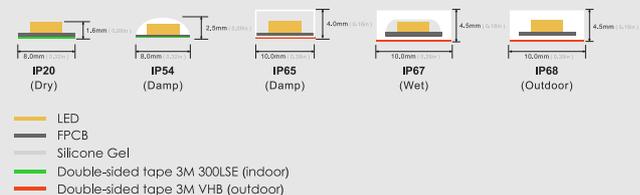


Figure 4.

Ordering Code

Series	LED type	CRI	CCT	LED Qty	PCB Width	IP Rating	Voltage	Power/m
VFL	HE 2835	9	xxK	160	8	WPyy	24V	09
		9 - 90+	27K - 2700K			Blank - IP20		
		8 - 80+	30K - 3000K			54 - IP54		
			35K - 3500K			45 - IP65		
			40K - 4000K			67 - IP67		
			65K - 6500K			68 - IP68		