

## High-Efficacy series

2835 | 9.6W/m | 10mm

p/n: VFL-HE2835-928K-80-10-24V09

# SMD



### Features

- 80x SMD LED per meter
- Cost effective
- Up to 1,248Lm per meter
- High efficacy of 130Lm/W
- CRI>90
- Durable, flexible and low profile
- Double sided 3M tape mounting

### Electrical Data

|                   |             |
|-------------------|-------------|
| Voltage           | 24V DC      |
| Wattage per meter | <b>9.6W</b> |
| Current per meter | 0.4A/24V    |

### LED Data

|                 |                 |
|-----------------|-----------------|
| LED type        | <b>SMD 2835</b> |
| Manufacturer    | Lumileds        |
| Chips per meter | 80              |

### Photometric Data

|                                                                                                              |                                      |
|--------------------------------------------------------------------------------------------------------------|--------------------------------------|
| Color temperature                                                                                            | 2700K / 3000K<br>4000K / 6500K       |
| Color rendering index Ra  | >90                                  |
| Luminous flux per meter                                                                                      | 1,274 lm >3,000K<br>1,248 lm <2,800K |
| Luminous efficacy                                                                                            | 130 lm/W >2,800K                     |
| 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 ~ +45 C°         |
| Storage temperature   | -20 ~ +70 C°         |

### Dimensions

|                    |                         |
|--------------------|-------------------------|
| Cutting increments | 100 mm<br>See figure 1. |
| Length             | 5,000 mm                |
| Width              | 10 mm                   |
| Height             | 1.6 mm                  |

### Lifetime

|                |               |
|----------------|---------------|
| Lifespan (L70) | >54,000 hours |
|----------------|---------------|

Testing environment temperature = 25 C°



**Figure 1.**

Dimensions & Cutting increments

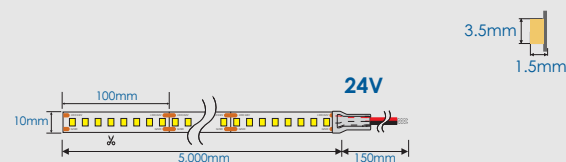
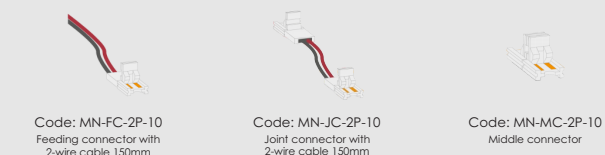


**Figure 2.**

Suitable Accessories

#### Connector-IP20



#### Profile



**Figure 3.**

IP Protection Ratings

