

Flexglo™ F10B Monochrome - Colorful Light (Silicone)



| Certification Mark | UL | CE | 8 |
|---------------------------|------------------|-------------------|----------------|
| Test Standard/Directive | UL2108 Class 2 | CE-EMC | IS 10322 |
| Certificate Serial Number | 20180801-E360029 | SZEM1712012372LMV | R-41128376 |
| Report Reference | E360029-20130322 | SZEM171201237201 | NO,20190425001 |

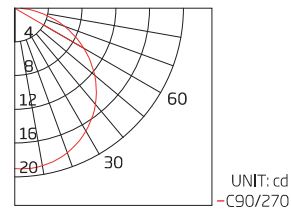


| | | |
|--|--|---|
| Ambient Working Temperature $\leq 12W$ $\leq 4.5W/m$ $-40 \sim 65^{\circ}C$ / $-40 \sim 149^{\circ}F$ | Ambient Installation Temperature $\geq -40^{\circ}C$ / $-40^{\circ}F$ | Storage Temperature $-40 \sim 60^{\circ}C$ / $-40 \sim 140^{\circ}F$ |
| Max. Mounting Surface Temperature $85^{\circ}C$ / $185^{\circ}F$ <i>specified in the non-working state of light.</i> | Constant Voltage DC24V, DC12V | |

C-SFR-F10B-HB

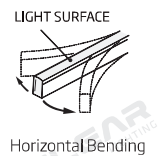
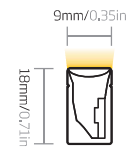


C-SFR-F10B-HB-24CV-G-
WM-72-4.5W-83.3



Min. Bending Diameter
90mm/3.54in

Min. Cutting Length
125mm/4.92in, 9LEDs
83.3mm/3.28in, 6LEDs



Bending-extreme
1870 times

Tensile-instantaneous
> 40 kg.f

Twist-extreme
4025 times

AVERAGE BEAM ANGLE (50%): 114.2°

Warning: Extreme Destructive Tests in laboratory only, and it's forbidden to operate in practice.

Note:

- The illuminated light length shall be an integral multiple of min. cutting length.
- The waterproof reliability of the lighting fixture depends on the IP rating of connector, and please make sure connector is properly assembled before installation. The highest IP rating we can achieve is IP68.

Item Code

| | | | | | | | | | |
|---------|---------------------------|-------------------|------------------------|--|--|-------------------------|------------|--------------|-------------------------------------|
| C | SFR | F10B | HB | 24CV | G | WM | 72 | 4.5W | 83.3 |
| Company | Material | Product Series | Bending Direction | Voltage & Circuit Type | Color | Base & Lighting Surface | LEDs Qty/m | Power/m | Min. Cutting Length (mm) |
| Clear | SFR= Silicone Flex Ribbon | F10 B= Monochrome | HB= Horizontal Bending | DC24V & Constant Voltage DC12V & Constant Voltage | R=Red A=Amber G=Green B=Blue R=Red A=Amber G=Green B=Blue | WM= White & Milky | 72 | 3.5W 4.5W | 125 83.3 (DC24V) 41.7 (DC12V) |

Feature

FlexJlo™ F10B Monochrome - Colorful Light (Silicone), thanks to the excellent weatherproof and UV-resistant performance of silicone material, it features a wide ambient working temperature range of -40-55 °C, especially suitable for harsh environment application.









Multiple connector options are available for different applications. Combined with the adoption of the DryWire™ technology,

*The IP68 Injection-moulded Connector is engineered for outdoor use, owing to its elegant appearance and strong adhesiveness acquired by the liquid silicone injection workmanship.









*The IP67 Field Assembly Connector, which is underpinned by the Insulfit™ technology that enables quick assembly in the field along with waterproof reliability (proper assembly required).

This product features a ultra long lifespan in outdoor application by leveraging other ClearTech™ such as the PinBoost™ technology enhancing physical reliability of light engine, the TwinFlex™ technology improving the conductivity and optimizing heat dissipation performance, the C-Mask™ technology making the light body self-cleaning and anti-UV and enabling consistent illumination.

Electrical Parameter

| Category | C-SFR-F10B-HB | | C-SFR-F10B-HB | | C-SFR-F10B-HB | | | |
|--------------------------|---|---|---|---|---|---|---|---|
| |  |  |  |  |  |  |  |  |
| Voltage (V) | 24 | | 24 | | 12 | | | |
| Current (mA/m) | 145,8 | | 187,5 | | 375 | | | |
| Power (W/m) | 3,5 | | 4,5 | | 4,5 | | | |
| Circuit Type | CV | | CV | | CV | | | |
| LED Type | 2835 | | 2835 | | 2835 | | | |
| LEDs Qty/m | 72 | | 72 | | 72 | | | |
| LEDs Qty/unit | 9 | | 6 | | 3 | | | |
| Unit/m | 8 | | 12 | | 24 | | | |
| Min. Cutting Length (mm) | 125 | | 83,3 | | 41,7 | | | |
| Min. Cutting Length (in) | 4,92 | | 3,28 | | 1,64 | | | |

Optical Parameter

| Item Code | Finished Product | | | | LED |
|--------------------------------------|---|------------|---------|----------|-----------------|
| | Color | Wavelength | Lumen/m | Lumen/ft | Color Tolerance |
| C-SFR-F10B-HB-24CV-R-WM-72-3.5W-125 |  Red | 618-624nm | 50lm | 15lm | <3nm |
| C-SFR-F10B-HB-24CV-G-WM-72-4.5W-83,3 |  Green | 522-528nm | 130lm | 40lm | <3nm |
| C-SFR-F10B-HB-24CV-B-WM-72-4.5W-83,3 |  Blue | 468-474nm | 25lm | 8lm | <3nm |
| C-SFR-F10B-HB-24CV-A-WM-72-3.5W-125 |  Amber | 588-594nm | 50lm | 15lm | <3nm |
| C-SFR-F10B-HB-12CV-R-WM-72-4.5W-41,7 |  Red | 618-624nm | 65lm | 20lm | <3nm |
| C-SFR-F10B-HB-12CV-G-WM-72-4.5W-41,7 |  Green | 522-530nm | 130lm | 40lm | <3nm |
| C-SFR-F10B-HB-12CV-B-WM-72-4.5W-41,7 |  Blue | 468-474nm | 25lm | 8lm | <3nm |
| C-SFR-F10B-HB-12CV-A-WM-72-4.5W-41,7 |  Amber | 588-594nm | 65lm | 20lm | <3nm |

Note: Color Tolerance refers to CLEAR standard for LED.

Max. Running Length

| Type | Swivel Connector | | Snap Connector | | Socket Connector | | Silicone Injection-moulded Connector | | |
|------------------------|------------------|-----------------|-----------------|-----------------|------------------|-----------------|--------------------------------------|-----------------|-------------|
| IP Rating | IP20 | | | | | | | | |
| Item Code | Single-end Feed | Double-end Feed | Single-end Feed | Double-end Feed | Single-end Feed | Double-end Feed | Single-end Feed | Double-end Feed | |
| DC24V | C-SFR-F10B-3.5W | 15m/49.2ft | 30m/98.4ft | 30m/98.4ft | 60m/196.8ft | 30m/98.4ft | 60m/196.8ft | 30m/98.4ft | 60m/196.8ft |
| | C-SFR-F10B-4.5W | 15m/49.2ft | 30m/98.4ft | 30m/98.4ft | 60m/196.8ft | 30m/98.4ft | 60m/196.8ft | 30m/98.4ft | 60m/196.8ft |
| DC12V | C-SFR-F10B-4.5W | 7.5m/24.6ft | 15m/49.2ft | 15m/49.2ft | 30m/98.4ft | 15m/49.2ft | 30m/98.4ft | 15m/49.2ft | 30m/196.8ft |
| Dimension of Connector | PageF10 032 | | PageF10 035 | | PageF10 038 | | Page10 047 | | |
| Max.Packing Length | | | | | | | | | |

Note:

- Above conclusion is based on voltage drop testing result of the light with 0.3m (0.98ft) cable only.
- The maximum running length is based on the light in static full loading status.
- Above running length is only the light length excluding lengths of connectors. Please refer to the specific dimension of each connector
- The delivery length might be subject to the maximum packing length.