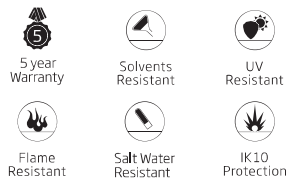


Flexglo™ F10B Monochrome - Colorful Light (Silicone)



Certification Mark	UL	CE	8
Test Standard/Directive	UL2108 Class 2	CE-EMC	IS 10922
Certificate Serial Number	20180801-E360029	SZEM1712012372LMV	R-41128376
Report Reference	E360029-20130322	SZEM171201237201	NO,20190425001

Light Color

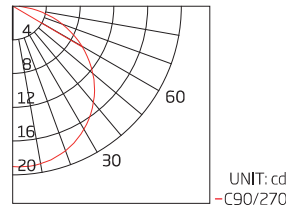


Ambient Working Temperature $\leq 12W$ $\leq 4.5W/m$ $-40 \sim 65^{\circ}C$ / $-40 \sim 149^{\circ}F$	Ambient Installation Temperature $\geq -40^{\circ}C$ / $-40^{\circ}F$	Storage Temperature $-40 \sim 60^{\circ}C$ / $-40 \sim 140^{\circ}F$
Max. Mounting Surface Temperature $85^{\circ}C$ / $185^{\circ}F$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

C-SFR-F10B-HB

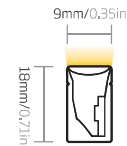


C-SFR-F10B-HB-24CV-G-
WM-72*4.5W-83.3

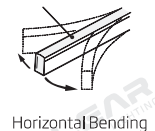


Min. Bending Diameter
90mm/3.54in

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



LIGHT SURFACE



Bending-extreme
1870 times

Tensile-instantaneous
> 40 kg.f

Twist-extreme
4025times

AVERAGE BEAM ANGLE (50%): 114.2°

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

Note:

1. The illuminated light length shall be an integral multiple of min. cutting length.
2. 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

Flexglo™ 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		IP67		IP67		IP68	
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 Lenght					PageF10 080				

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.