

Flexglo™ F21B 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

Light Color

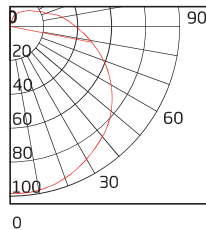


Ambient Working Temperature ≤8W/m -40 ~ 60°C / -40 ~ 140°F 12W/m -40 ~ 55°C / -40 ~ 131°F	Ambient Installation Temperature ≥ -40°C / -40°F	Storage Temperature -40 ~ 60°C / -40 ~ 140°F
	Max. Mounting Surface Temperature 85°C / 185°F <i>specified in the non-working state of light.</i>	Constant Current DC24V

C-SFR-F21B-HB



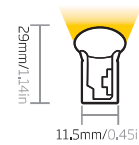
C-SFR-F21B-HB-24CC-G-WM-72-12W-83.3



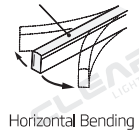
AVERAGE BEAM ANGLE (50%) : 152.4°

Min. Bending Diameter
120mm/4.72in

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



LIGHT SURFACE



Bending-extreme
3318 times

Tensile-instantaneous
>60 kg.f

Twist-extreme
3346 times

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	F21B	HB	24CC	G	WM	72	12W	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	F21 B= Monochrome	HB= Horizontal Bending	DC24V & Constant Current	R=Red A=Amber G=Green B=Blue	WM= White & Milky	72	8W 12W	125 83.3

Feature

Flexglo™ F21B 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-F21B-HB 	C-SFR-F21B-HB
Voltage	24	24
Current (mA/m)	333.3	500.0
Power (W/m)	8	12
Circuit Type	CC	CC
LED Type	2835	2835
LEDs Qty/m	72	72
LEDs Qty/unit	9	6
Unit/m	8	12
Min. Cutting Length (mm)	125	83.3
Min. Cutting Length (in)	4.92	3.28

Optical Parameter

Item Code	Finished Product				LED
	Color	Wavelength	Lumen/m	Lumen/ft	Color Tolerance
C-SFR-F21B-HB-24CC-R-WM-72-8W-125	Red	618-624nm	140lm	43lm	< 3nm
C-SFR-F21B-HB-24CC-G-WM-72-12W-83.3	Green	522-528nm	370lm	113lm	< 3nm
C-SFR-F21B-HB-24CC-B-WM-72-12W-83.3	Blue	468-474nm	80lm	24lm	< 3nm
C-SFR-F21B-HB-24CC-A-WM-72-8W-125	Amber	588-594nm	140lm	43lm	< 3nm

Max. Running Length Input: DC24V

Type	Swivel Connector		Sleeve Connector		Snap Connector		Socket Connector		Silicone Injection-moulded Connector	
IP Rating	IP20		IP40		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	Single-end Feed	Double-end Feed
C-SFR-F21B-8W	7.5m/24.6ft	15m/49.2ft	20m/65.6ft	40m/131.2ft	20m/65.6ft	40m/131.2ft	20m/65.6ft	40m/131.2ft	20m/65.6ft	40m/131.2ft
C-SFR-F21B-12W	5m/16.4ft	10m/32.8ft	15m/49.2ft	30m/98.4ft	15m/49.2ft	30m/98.4ft	15m/49.2ft	30m/98.4ft	15m/49.2ft	30m/98.4ft
Dimension of Connector	Page F21 124		Page F21 129		Page F21 135		Page F21 144		Page F21 153	
Max.Packing Length	Page F21 202									

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.