

Flexglo™ F22B 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

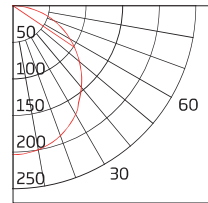


Ambient Working Temperature ≤8W/m -40~60°C /-40~140°F 12W/m -40~55°C /-40~131°F	Ambient Installation Temperature ≥ -40°C /-40°F	Storage Temperature -40 ~ 60°C /-40~140°F
	Max. Mounting Surface Temperature 85°C /185°F <i>specified in the non-working state of light.</i>	Constant Current DC24V

C-SFR-F22B-VB



C-SFR-F22B-VB-24CC-G-WM-108-12W-55,6

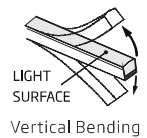
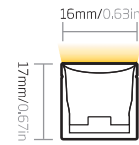


UNIT: cd
-C90/270

AVERAGE BEAM ANGLE (50%): 113.1°

Min. Bending Diameter
300mm/11.81in

Min. Cutting Length
83.3mm/3.28in, 9LEDs
55.6mm/2.19in, 6LEDs



Bending-extreme
2044 times

Tensile-instantaneous
>100 kg.f

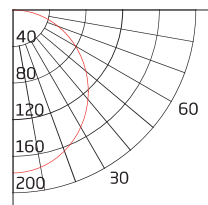
Twist-extreme
4374 times

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

C-SFR-F22B-HB



C-SFR-F22B-HB-24CC-G-WM-108-12W-55,6

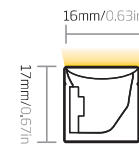


UNIT: cd
-C90/270

AVERAGE BEAM ANGLE (50%): 112.2°

Min. Bending Diameter
300mm/11.81in

Min. Cutting Length
83.3mm/3.28in, 9LEDs
55.6mm/2.19in, 6LEDs



Bending-extreme
2044 times

Tensile-instantaneous
>100 kg.f

Twist-extreme
5514 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	F22B	VB	24CC	G	WM	108	12W	55.6
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	F22B= Monochrome	VB= Vertical Bending HB= Horizontal Bending	DC24V & Constant Current	R=Red A=Amber G=Green B=Blue	WM= White & Milky	108	8W 12W	83.3 55.6

Feature

Flexglo™ F22B 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-F22B-VB/HB 	C-SFR-F22B-VB/HB 
Voltage (V)	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	108	108
LEDs Qty/unit	9	6
Unit/m	12	18
Min. Cutting Length (mm)	83.3	55.6
Min. Cutting Length (in)	3.28	2.19

Optical Parameter

Item Code	Finished Product				LED
	Color	Wavelength	Lumen/m	Lumen/ft	Color Tolerance
C-SFR-F22B-VB-24CC-R-WM-108-8W-83.3	 Red	618-624nm	185lm	56lm	<3nm
C-SFR-F22B-VB-24CC-G-WM-108-12W-55.6	 Green	522-528nm	550lm	168lm	<3nm
C-SFR-F22B-VB-24CC-B-WM-108-12W-55.6	 Blue	468-474nm	120lm	37lm	<3nm
C-SFR-F22B-VB-24CC-A-WM-108-8W-83.3	 Amber	588-594nm	185lm	56lm	<3nm
C-SFR-F22B-HB-24CC-R-WM-108-8W-83.3	 Red	618-624nm	165lm	50lm	<3nm
C-SFR-F22B-HB-24CC-G-WM-108-12W-55.6	 Green	522-528nm	450lm	137lm	<3nm
C-SFR-F22B-HB-24CC-B-WM-108-12W-55.6	 Blue	468-474nm	110lm	34lm	<3nm
C-SFR-F22B-HB-24CC-A-WM-108-8W-83.3	 Amber	588-594nm	165lm	50lm	<3nm

Max. Running Length

Input: DC24V

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
C-SFR-F22B-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
C-SFR-F22B-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
Dimension of Connector	Page F22 157		Page F22 161		Page F22 171		Page F22 179	
Max.Packing Length	Page F22 233							

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.

Feature

Flexglo™ F22B Monochrome - White Light (Silicone) is a popular item for architectural market with rated power options of 6W/m, 9W/m, 12W/m and 15W/m. Its CRI value can reach 95Ra and maximum luminous flux is up to 850lm/m. Thanks to the excellent weatherproof and UV-resistant performance of silicone material, it features a wide ambient working temperature range of -40~55 °C excluding -40~45 °C for 15W/m, 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-F22B-HB/VB			
Voltage (V)	24	24	24	24
Current (mA/m)	250,0	375,0	625,0	500,0
Power (W/m)	6	9	15	12
Circuit Type	CC	CC	CC	CC
LED Type	2835	2835	2835	2835
LEDs Qty/m	108	108	108	108
LEDs Qty/unit	6	6	6	6
Unit/m	18	18	18	18
Min. Cutting Length (mm)	55,6	55,6	55,6	55,6
Min. Cutting Length (in)	2,19	2,19	2,19	2,19

Max. Running Length Input: DC24V

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
C-SFR-F22B-6W	10m/32,8ft	20m/65,6ft	30m/98,4ft	60m/196,8ft	30m/98,4ft	60m/196,8ft	30m/98,4ft	60m/196,8ft
C-SFR-F22B-9W	6m/19,7ft	12m/39,4ft	18m/59,1ft	36m/118,1ft	18m/59,1ft	36m/118,1ft	18m/59,1ft	30m/118,1ft
C-SFR-F22B-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
C-SFR-F22B-15W	5m/16,4ft	10m/32,8ft	10m/32,8ft	20m/65,6ft	10m/32,8ft	20m/65,6ft	10m/32,8ft	20m/65,6ft
Dimension of Connector	Page F22 157		Page F22 161		Page F22 171		Page F22 179	
Max.Packing Length					Page F22 233			

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- 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.

Optical Parameter

CRI 80

Item Code	Finished Product						LED	
	CCT	CCT Tolerance	Color Tolerance	CRI	Lumen/m	Lumen/ft	Color Tolerance	CRI
C-SFR-F22B-VB-24CC-22K-WM-108-80-6W-55,6	2200K	2238±66K	<5SDCM	80	225lm	69lm	<2,3SDCM	82~87
C-SFR-F22B-VB-24CC-27K-WM-108-80-6W-55,6	2700K	2725±85K	<5SDCM	80	280lm	85lm	<2,3SDCM	82~87
C-SFR-F22B-VB-24CC-30K-WM-108-80-6W-55,6	3000K	3045±105K	<5SDCM	80	280lm	85lm	<2,3SDCM	82~87
C-SFR-F22B-VB-24CC-35K-WM-108-80-6W-55,6	3500K	3465±245K	<5SDCM	80	290lm	88lm	<2,3SDCM	82~87
C-SFR-F22B-VB-24CC-40K-WM-108-80-6W-55,6	4000K	3985±150K	<5SDCM	80	290lm	88lm	<2,3SDCM	82~87
C-SFR-F22B-VB-24CC-57K-WM-108-80-6W-55,6	5700K	5669±305K	<5SDCM	80	290lm	88lm	<2,3SDCM	82~87
C-SFR-F22B-VB-24CC-22K-WM-108-80-9W-55,6	2200K	2238±66K	<5SDCM	80	340lm	104lm	<2,3SDCM	82~87
C-SFR-F22B-VB-24CC-27K-WM-108-80-9W-55,6	2700K	2725±85K	<5SDCM	80	420lm	128lm	<2,3SDCM	82~87
C-SFR-F22B-VB-24CC-30K-WM-108-80-9W-55,6	3000K	3045±105K	<5SDCM	80	420lm	128lm	<2,3SDCM	82~87
C-SFR-F22B-VB-24CC-35K-WM-108-80-9W-55,6	3500K	3465±245K	<5SDCM	80	440lm	134lm	<2,3SDCM	82~87