

Flexglo™ F22B Monochrome - White Light (Silicone)

Upgraded Version



5 year
Warranty



Solvents
Resistant



UV
Resistant



Flame
Resistant



Salt Water
Resistant



IK10
Protection



2200K



2700K



3000K



3500K



4000K



5700K

Certification Mark			
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
≤6W/m -40~65°C /-40~149°F
9W/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
specified in the non-working state of light.



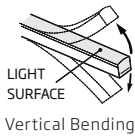
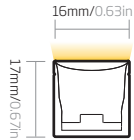
Constant Current
DC24V

C-SFR-F22B-VB



Min. Bending Diameter
300mm/11.81in

Min. Cutting Length
55.6mm/2.19in
7LEDs

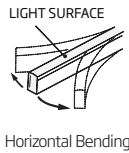
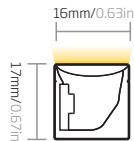


C-SFR-F22B-HB



Min. Bending Diameter
300mm/11.81in

Min. Cutting Length
55.6mm/2.19in
7LEDs



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.

Feature

Flexglo™ F22B Monochrome - White Light (Silicone) upgraded version is a popular item for architectural market with rated power 12W/m. Its maximum luminous flux is up to 950lm/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 , 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 an 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.

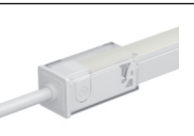
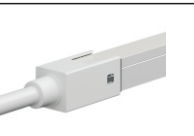
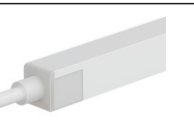
Item Code

C	SFR	F22B	VB	24CC	30K	WM	126	80	12W	55.6
Company	Material	Product Series	Bending Direction	Voltage & Circuit Type	CCT	Base & Lighting Surface	LEDs Qty/m	CRI	Power/m	Min. Cutting Length (mm)
Clear	SFR= Silicone Flex Ribbon	F22B= Monochrome	VB= Vertical Bending HB= Horizontal Bending	DC24V & Constant Current	22K=2200K 27K=2700K 30K=3000K 35K=3500K 40K=4000K 57K=5700K 22K=2200K 27K=2700K 30K=3000K 35K=3500K 40K=4000K	WM= White & Milky	126	80 90	6W 9W 12W	55.6

Electrical Parameter

Category	C-SFR-F22B-HB/VB	C-SFR-F22B-HB/VB	C-SFR-F22B-HB/VB
Voltage (V)	24	24	24
Current (mA/m)	250.0	375.0	500.0
Power (W/m)	6	9	12
Circuit Type	CC	CC	CC
LED Type	2835	2835	2835
LEDs Qty/m	126	126	126
LEDs Qty/unit	7	7	7
Unit/m	18	18	18
Min. Cutting Length (mm)	55.6	55.6	55.6
Min. Cutting Length (in)	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	24m/78.7ft	48m/157.5ft	24m/78.7ft	48m/157.5ft	24m/78.7ft	48m/157.5ft
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	36m/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

Note:
1. Above conclusion is based on voltage drop testing result of the light with 0.3m (0.98ft) cable only.
2. The maximum running length is based on the light in static full loading status.
3. Above running length is only the light length excluding lengths of connectors. Please refer to the specific dimension of each connector.
4. 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-126-6W-55.6	 2200K	2238±82K	<5SDCM	80	420lm	128lm	<2.3SDCM	82~87
C-SFR-F22B-VB-24CC-27K-126-6W-55.6	 2700K	2725±115K	<5SDCM	80	420lm	128lm	<2.3SDCM	82~87
C-SFR-F22B-VB-24CC-30K-126-6W-55.6	 3000K	3045±140K	<5SDCM	80	440lm	134lm	<2.3SDCM	82~87
C-SFR-F22B-VB-24CC-35K-126-6W-55.6	 3500K	3465±170K	<5SDCM	80	440lm	134lm	<2.3SDCM	82~87
C-SFR-F22B-VB-24CC-40K-126-6W-55.6	 4000K	3985±225K	<5SDCM	80	440lm	134lm	<2.3SDCM	82~87
C-SFR-F22B-VB-24CC-57K-126-6W-55.6	 5700K	5665±355K	<5SDCM	80	440lm	134lm	<2.3SDCM	82~87
C-SFR-F22B-VB-24CC-22K-126-9W-55.6	 2200K	2238±82K	<5SDCM	80	630lm	192lm	<2.3SDCM	82~87
C-SFR-F22B-VB-24CC-27K-126-9W-55.6	 2700K	2725±115K	<5SDCM	80	630lm	192lm	<2.3SDCM	82~87
C-SFR-F22B-VB-24CC-30K-126-9W-55.6	 3000K	3045±140K	<5SDCM	80	660lm	201lm	<2.3SDCM	82~87
C-SFR-F22B-VB-24CC-35K-126-9W-55.6	 3500K	3465±170K	<5SDCM	80	660lm	201lm	<2.3SDCM	82~87
C-SFR-F22B-VB-24CC-40K-126-9W-55.6	 4000K	3985±225K	<5SDCM	80	660lm	201lm	<2.3SDCM	82~87
C-SFR-F22B-VB-24CC-57K-126-9W-55.6	 5700K	5665±355K	<5SDCM	80	660lm	201lm	<2.3SDCM	82~87
C-SFR-F22B-VB-24CC-22K-126-12W-55.6	 2200K	2238±82K	<5SDCM	80	840lm	256lm	<2.3SDCM	82~87
C-SFR-F22B-VB-24CC-27K-126-12W-55.6	 2700K	2725±115K	<5SDCM	80	840lm	256lm	<2.3SDCM	82~87
C-SFR-F22B-VB-24CC-30K-126-12W-55.6	 3000K	3045±140K	<5SDCM	80	880lm	268lm	<2.3SDCM	82~87
C-SFR-F22B-VB-24CC-35K-126-12W-55.6	 3500K	3465±170K	<5SDCM	80	880lm	268lm	<2.3SDCM	82~87
C-SFR-F22B-VB-24CC-40K-126-12W-55.6	 4000K	3985±225K	<5SDCM	80	880lm	268lm	<2.3SDCM	82~87
C-SFR-F22B-VB-24CC-57K-126-12W-55.6	 5700K	5665±355K	<5SDCM	80	880lm	268lm	<2.3SDCM	82~87
C-SFR-F22B-HB-24CC-22K-126-6W-55.6	 2200K	2238±82K	<5SDCM	80	310lm	95lm	<2.3SDCM	82~87
C-SFR-F22B-HB-24CC-27K-126-6W-55.6	 2700K	2725±115K	<5SDCM	80	310lm	95lm	<2.3SDCM	82~87
C-SFR-F22B-HB-24CC-30K-126-6W-55.6	 3000K	3045±140K	<5SDCM	80	330lm	101lm	<2.3SDCM	82~87
C-SFR-F22B-HB-24CC-35K-126-6W-55.6	 3500K	3465±170K	<5SDCM	80	330lm	101lm	<2.3SDCM	82~87
C-SFR-F22B-HB-24CC-40K-126-6W-55.6	 4000K	3985±225K	<5SDCM	80	330lm	101lm	<2.3SDCM	82~87
C-SFR-F22B-HB-24CC-57K-126-6W-55.6	 5700K	5665±355K	<5SDCM	80	330lm	101lm	<2.3SDCM	82~87
C-SFR-F22B-HB-24CC-22K-126-9W-55.6	 2200K	2238±82K	<5SDCM	80	460lm	140lm	<2.3SDCM	82~87
C-SFR-F22B-HB-24CC-27K-126-9W-55.6	 2700K	2725±115K	<5SDCM	80	460lm	140lm	<2.3SDCM	82~87
C-SFR-F22B-HB-24CC-30K-126-9W-55.6	 3000K	3045±140K	<5SDCM	80	490lm	149lm	<2.3SDCM	82~87
C-SFR-F22B-HB-24CC-35K-126-9W-55.6	 3500K	3465±170K	<5SDCM	80	490lm	149lm	<2.3SDCM	82~87
C-SFR-F22B-HB-24CC-40K-126-9W-55.6	 4000K	3985±225K	<5SDCM	80	490lm	149lm	<2.3SDCM	82~87
C-SFR-F22B-HB-24CC-57K-126-9W-55.6	 5700K	5665±355K	<5SDCM	80	490lm	149lm	<2.3SDCM	82~87
C-SFR-F22B-HB-24CC-22K-126-12W-55.6	 2200K	2238±82K	<5SDCM	80	620lm	189lm	<2.3SDCM	82~87
C-SFR-F22B-HB-24CC-27K-126-12W-55.6	 2700K	2725±115K	<5SDCM	80	620lm	189lm	<2.3SDCM	82~87
C-SFR-F22B-HB-24CC-30K-126-12W-55.6	 3000K	3045±140K	<5SDCM	80	660lm	201lm	<2.3SDCM	82~87
C-SFR-F22B-HB-24CC-35K-126-12W-55.6	 3500K	3465±170K	<5SDCM	80	660lm	201lm	<2.3SDCM	82~87
C-SFR-F22B-HB-24CC-40K-126-12W-55.6	 4000K	3985±225K	<5SDCM	80	660lm	201lm	<2.3SDCM	82~87
C-SFR-F22B-HB-24CC-57K-126-12W-55.6	 5700K	5665±355K	<5SDCM	80	660lm	201lm	<2.3SDCM	82~87

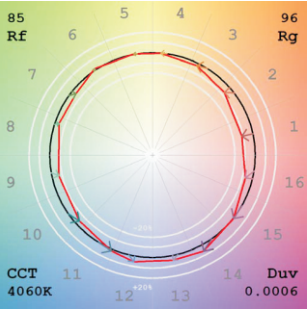
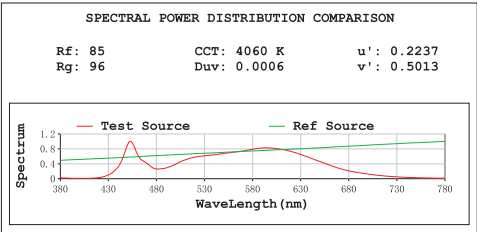
CRI 90

Item Code	Finished Product						LED	
	CCT	CCT Tolerance	Color Tolerance	CRI	Lumen/m	Lumen/ft	Color Tolerance	CRI
C-SFR-F22B-VB-24CC-22K-126-90-6W-55.6	 2200K	2238±102K	<5SDCM	90	310lm	95lm	<2.3SDCM	91~97
C-SFR-F22B-VB-24CC-27K-126-90-6W-55.6	 2700K	2725±145K	<5SDCM	90	310lm	95lm	<2.3SDCM	91~97
C-SFR-F22B-VB-24CC-30K-126-90-6W-55.6	 3000K	3045±175K	<5SDCM	90	330lm	101lm	<2.3SDCM	91~97
C-SFR-F22B-VB-24CC-35K-126-90-6W-55.6	 3500K	3465±245K	<5SDCM	90	330lm	101lm	<2.3SDCM	91~97
C-SFR-F22B-VB-24CC-40K-126-90-6W-55.6	 4000K	3985±275K	<5SDCM	90	330lm	101lm	<2.3SDCM	91~97
C-SFR-F22B-VB-24CC-22K-126-90-9W-55.6	 2200K	2238±102K	<5SDCM	90	460lm	140lm	<2.3SDCM	91~97
C-SFR-F22B-VB-24CC-27K-126-90-9W-55.6	 2700K	2725±145K	<5SDCM	90	460lm	140lm	<2.3SDCM	91~97
C-SFR-F22B-VB-24CC-30K-126-90-9W-55.6	 3000K	3045±175K	<5SDCM	90	490lm	149lm	<2.3SDCM	91~97
C-SFR-F22B-VB-24CC-35K-126-90-9W-55.6	 3500K	3465±245K	<5SDCM	90	490lm	149lm	<2.3SDCM	91~97
C-SFR-F22B-VB-24CC-40K-126-90-9W-55.6	 4000K	3985±275K	<5SDCM	90	490lm	149lm	<2.3SDCM	91~97
C-SFR-F22B-VB-24CC-22K-126-90-12W-55.6	 2200K	2238±102K	<5SDCM	90	620lm	189lm	<2.3SDCM	91~97
C-SFR-F22B-VB-24CC-27K-126-90-12W-55.6	 2700K	2725±145K	<5SDCM	90	620lm	189lm	<2.3SDCM	91~97
C-SFR-F22B-VB-24CC-30K-126-90-12W-55.6	 3000K	3045±175K	<5SDCM	90	660lm	201lm	<2.3SDCM	91~97
C-SFR-F22B-VB-24CC-35K-126-90-12W-55.6	 3500K	3465±245K	<5SDCM	90	660lm	201lm	<2.3SDCM	91~97
C-SFR-F22B-VB-24CC-40K-126-90-12W-55.6	 4000K	3985±275K	<5SDCM	90	660lm	201lm	<2.3SDCM	91~97
C-SFR-F22B-HB-24CC-22K-126-90-6W-55.6	 2200K	2238±102K	<5SDCM	90	250lm	76lm	<2.3SDCM	91~97
C-SFR-F22B-HB-24CC-27K-126-90-6W-55.6	 2700K	2725±145K	<5SDCM	90	250lm	76lm	<2.3SDCM	91~97
C-SFR-F22B-HB-24CC-30K-126-90-6W-55.6	 3000K	3045±175K	<5SDCM	90	270lm	82lm	<2.3SDCM	91~97
C-SFR-F22B-HB-24CC-35K-126-90-6W-55.6	 3500K	3465±245K	<5SDCM	90	270lm	82lm	<2.3SDCM	91~97
C-SFR-F22B-HB-24CC-40K-126-90-6W-55.6	 4000K	3985±275K	<5SDCM	90	270lm	82lm	<2.3SDCM	91~97
C-SFR-F22B-HB-24CC-22K-126-90-9W-55.6	 2200K	2238±102K	<5SDCM	90	370lm	113lm	<2.3SDCM	91~97
C-SFR-F22B-HB-24CC-27K-126-90-9W-55.6	 2700K	2725±145K	<5SDCM	90	370lm	113lm	<2.3SDCM	91~97
C-SFR-F22B-HB-24CC-30K-126-90-9W-55.6	 3000K	3045±175K	<5SDCM	90	400lm	122lm	<2.3SDCM	91~97
C-SFR-F22B-HB-24CC-35K-126-90-9W-55.6	 3500K	3465±245K	<5SDCM	90	400lm	122lm	<2.3SDCM	91~97
C-SFR-F22B-HB-24CC-40K-126-90-9W-55.6	 4000K	3985±275K	<5SDCM	90	400lm	122lm	<2.3SDCM	91~97
C-SFR-F22B-HB-24CC-22K-126-90-12W-55.6	 2200K	2238±102K	<5SDCM	90	500lm	152lm	<2.3SDCM	91~97
C-SFR-F22B-HB-24CC-27K-126-90-12W-55.6	 2700K	2725±145K	<5SDCM	90	500lm	152lm	<2.3SDCM	91~97
C-SFR-F22B-HB-24CC-30K-126-90-12W-55.6	 3000K	3045±175K	<5SDCM	90	540lm	165lm	<2.3SDCM	91~97
C-SFR-F22B-HB-24CC-35K-126-90-12W-55.6	 3500K	3465±245K	<5SDCM	90	540lm	165lm	<2.3SDCM	91~97
C-SFR-F22B-HB-24CC-40K-126-90-12W-55.6	 4000K	3985±275K	<5SDCM	90	540lm	165lm	<2.3SDCM	91~97

Note:
1. CCT tolerance and color tolerance both refer to ANSI C78.377 standard.
2. The color tolerance of finished products is kept <5SDCM from batch to batch and narrowed to <3SDCM at the same batch.

TM-30

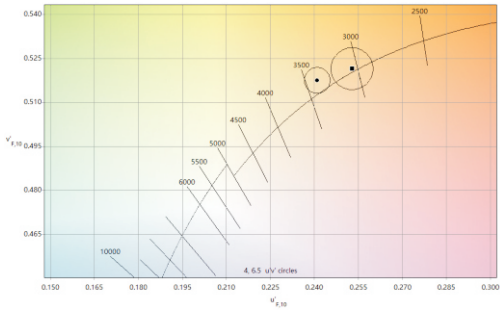
IES TM-30-15 is a new system of several related measures and graphics that can be used together to effectively evaluate and communicate a light source's color rendering properties. The development of the method involved synthesizing multiple related research efforts and combining ideas into a single, cohesive system of objective information that can be used to aid decision-making processes, such as finding the preferred light source for a given application or evaluating the tradeoffs between efficacy and color rendering.



Measure		Description
Fidelity Index	Rf	Analogous to CIE Ra (CRI). Characterizes the average color shift of the 99 CES to characterize the overall level of similarity between the test source and reference illuminant. Values range from 0 to 100.
Gamut Index	Rg	Compares the area enclosed by the average chromaticity coordinates in each of 15 hue bins to characterize the average saturation level of the test source compared to the reference illuminant. A neutral score is 100, with values greater than 100 indicating an increase in saturation and values less than 100 indicating a decrease in saturation. The range in values grows as fidelity decreases.

Color Matching

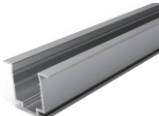
Color temperature value stated on all CLEAR's documents refers to finished products. LED's color temperature would be shifted by the light diffuser made of PVC or silicone material. CLEAR calibrates color temperature and color coordinate of tailor-made LEDs with proprietary color-matching algorithms to produce a precise color temperature and color coordinate close to black body locus for finished products. All LEDs would be strictly tested and tightly controlled to ensure finished products can meet ANSI standard.



F22B Connector (Silicone)

Type/IP Rating	Bending Direction	Front Connector End	Front Connector Side from Left	Front Connector Side from Right	Front Connector Bottom	Seamless Middle Connector & Power Feed	Middle Connector & Power T-feed	Jumper	End Cap
Swivel Connector	HB	 F22B-HB-SW/FC-01/02-E-0.3m/1m 22AWG*2	N/A	N/A	N/A	N/A	N/A	N/A	 F22-SW/EC
			N/A	N/A	N/A	N/A	N/A	N/A	
	VB	 F22B-VB-SW/FC-01/02-E-0.3m/1m 22AWG*2	N/A	N/A	N/A	N/A	N/A	N/A	 F22-SW/EC
			N/A	N/A	N/A	N/A	N/A	N/A	
Snap Connector	HB	 F22B-HB-SN/FC-01/02-E-0.3m/1m/3m/5m/10m/15m/20m 18AWG*2	 F22B-HB-SN/FC-01/02-SL-0.3m/1m/3m/5m/10m/15m/20m 18AWG*2	 F22B-HB-SN/FC-01/02-SR-0.3m/1m/3m/5m/10m/15m/20m 18AWG*2	 F22B-HB-SN/FC-01/02-B-0.3m/1m/3m/5m/10m/15m/20m 18AWG*2	N/A	 F22B-HB-SN/MC-PTF-01/02-0.3m/1m/3m 18AWG*2	 F22B-HB-SN/JU-01/02-0.3m/1m 18AWG*2	 F22-HB-SN/EC-01/02
						N/A			
	VB	 F22B-VB-SN/FC-01/02-E-0.3m/1m/3m/5m/10m/15m/20m 18AWG*2	 F22B-VB-SN/FC-01/02-SL-0.3m/1m/3m/5m/10m/15m/20m 18AWG*2	 F22B-VB-SN/FC-01/02-SR-0.3m/1m/3m/5m/10m/15m/20m 18AWG*2	 F22B-VB-SN/FC-01/02-B-0.3m/1m/3m/5m/10m/15m/20m 18AWG*2	N/A	 F22B-VB-SN/MC-PTF-01/02-0.3m/1m/3m 18AWG*2	 F22B-VB-SN/JU-01/02-0.3m/1m 18AWG*2	 F22-VB-SN/EC
						N/A			
Socket Connector	HB	 F22B-HB-SO/FC-01/02-E-0.3m/1m/3m/5m 18AWG*2	N/A	N/A	N/A	N/A	N/A	N/A	 F22-SO/EC
			N/A	N/A	N/A	N/A	N/A	N/A	
	VB	 F22B-VB-SO/FC-01/02-E-0.3m/1m/3m/5m 18AWG*2	N/A	N/A	N/A	N/A	N/A	N/A	 F22-SO/EC
			N/A	N/A	N/A	N/A	N/A	N/A	
Silicone Injection-moulded Connector	HB	 F22B-HB-SIM/FC-01/02-E-0.3m/1m/3m/5m/10m/15m/20m 18AWG*2	 F22B-HB-SIM/FC-02-SL-0.3m/1m/3m/5m/10m/15m/20m 18AWG*2	 F22B-HB-SIM/FC-01-SR-0.3m/1m/3m/5m/10m/15m/20m 18AWG*2	 F22B-HB-SIM/FC-01/02-B-0.3m/1m/3m/5m/10m/15m/20m 18AWG*2	N/A	 F22B-HB-SIM/MC-PTF-0.3m/1m/3m 18AWG*2	 F22B-HB-SIM/JU-0.3m/1m 18AWG*2	 F22-SIM/EC
						N/A			
	VB	 F22B-VB-SIM/FC-01/02-E-0.3m/1m/3m/5m/10m/15m/20m 18AWG*2	 F22B-VB-SIM/FC-01/02-SL-0.3m/1m/3m/5m/10m/15m/20m 18AWG*2	 F22B-VB-SIM/FC-01/02-SR-0.3m/1m/3m/5m/10m/15m/20m 18AWG*2	 F22B-VB-SIM/FC-01/02-B-0.3m/1m/3m/5m/10m/15m/20m 18AWG*2	N/A	 F22B-VB-SIM/MC-PTF-0.3m/1m/3m 18AWG*2	 F22B-VB-SIM/JU-0.3m/1m 18AWG*2	 F22-SIM/EC
						N/A			

F22 Mounting Profile

Picture	Name/Item Code	Installation Way
	Aluminum Profile F22-A/PL-35/500/1000/2000mm	 
	Flange Aluminum Profile F22-FA/PL-35/500/1000/2000mm	
	Suspended Mounting Kit F22-SM/K F22-SC/K	
	Serrated Aluminum Profile F22-SA/PL-20/500/1000/2000mm	     
	Flange Serrated Aluminum Profile F22-FSA/PL-20/500/1000/2000mm	  
	Bendable Serrated Aluminum Profile F22-BSA/PL-500/1000mm Note: only horizontal bending is available	     
	Thickened Plastic Profile F22-TP/PL-35MM/500MM/1000MM/2000MM-TT	     

F22B Max. Cable Length (Silicone)

Input: DC24V

Item Code	Light Length (m)	Max. Cable Length									
		0.32 mm ²		0.52 mm ²		0.81 mm ²		1.32 mm ²		2.07 mm ²	
		22AWG		20AWG		18AWG		16AWG		14AWG	
		m	ft	m	ft	m	ft	m	ft	m	ft
C-SFR-F22B-6W	1	140.6	461.2	228.4	749.4	355.8	1167.3	579.8	1902.3	909.3	2983.2
	2	77.7	254.9	113.6	372.8	177.0	580.7	288.4	946.3	452.3	1483.9
	3	50.6	165.9	74.0	242.7	115.2	378.0	187.7	616.0	294.4	965.9
	4	37.2	122.0	54.4	178.4	84.7	277.9	138.0	452.8	216.4	710.1
	5	29.4	96.4	43.0	141.1	67.0	219.7	109.1	358.1	171.1	561.5
	6	24.1	79.0	35.2	115.6	54.9	180.0	89.4	293.4	140.2	460.0
	7	20.2	66.3	29.5	96.9	46.0	151.0	75.0	246.0	117.6	385.8
	8	17.1	56.1	25.0	82.0	38.9	127.8	63.5	208.2	99.5	326.5
	9	14.7	48.3	21.5	70.6	33.5	110.0	54.7	179.3	85.7	281.2
	10	12.8	41.9	18.7	61.3	29.1	95.4	47.4	155.5	74.3	243.9
	11	11.1	36.5	16.3	53.3	25.3	83.1	41.3	135.4	64.7	212.3
	12	9.7	31.8	14.2	46.5	22.1	72.4	36.0	118.0	56.4	185.1
	13	8.4	27.7	12.3	40.5	19.2	63.1	31.3	102.8	49.2	161.3
	14	7.3	24.1	10.7	35.2	16.7	54.8	27.2	89.3	42.7	140.1
	15			9.3	30.4	14.4	47.4	23.5	77.2	36.9	121.0
	16			7.9	26.0	12.4	40.6	20.2	66.1	31.6	103.7
	17			6.7	22.1	10.5	34.4	17.1	56.0	26.8	87.8
	18			5.6	18.4	8.7	28.6	14.2	46.6	22.3	73.1
	19			4.5	14.9	7.1	23.2	11.5	37.9	18.1	59.4
	20			3.6	11.7	5.5	18.2	9.0	29.7	14.2	46.5
	21			2.6	8.6	4.1	13.5	6.7	21.9	10.5	34.4
	22			1.7	5.6	2.7	8.8	4.4	14.3	6.8	22.4
	23			0.9	2.9	1.4	4.5	2.2	7.3	3.5	11.5
	24					0.1	0.3	0.2	0.6	0.3	0.9
C-SFR-F22B-9W	1	83.5	273.9	135.7	445.1	211.3	693.3	344.4	1129.8	540.0	1771.7
	2	41.4	135.8	67.2	220.6	104.7	343.6	170.7	560.0	267.7	878.2
	3	26.9	88.4	43.8	143.6	68.2	223.7	111.1	364.6	174.3	571.7
	4	19.8	65.1	32.2	105.7	50.2	164.7	81.8	268.4	128.3	420.8
	5	15.5	50.7	25.1	82.4	39.1	128.3	63.7	209.1	100.0	328.0
	6	12.5	41.1	20.3	66.7	31.7	103.9	51.6	169.4	80.9	265.6
	7	10.4	34.2	16.9	55.6	26.4	86.5	43.0	141.0	67.4	221.1
	8	8.5	28.0	13.9	45.6	21.6	71.0	35.2	115.6	55.3	181.4
	9			11.6	38.1	18.1	59.3	29.5	96.7	46.2	151.6
	10			9.7	32.0	15.2	49.8	24.7	81.1	38.8	127.2
	11			8.1	26.6	12.6	41.4	20.6	67.5	32.3	105.9
	12			6.7	22.0	10.4	34.3	17.0	55.9	26.7	87.6
	13			5.5	17.9	8.5	27.9	13.9	45.5	21.7	71.3
	14					6.7	22.0	11.0	35.9	17.2	56.3
	15					5.1	16.9	8.4	27.5	13.1	43.1
	16					3.6	11.9	5.9	19.4	9.3	30.5
	17					2.2	7.3	3.6	12.0	5.7	18.8
	18					0.9	3.1	1.5	5.1	2.4	7.9
C-SFR-F22B-12W	1	62.3	204.5	101.3	332.4	157.8	517.8	257.2	843.7	403.3	1323.2
	2	32.3	105.9	52.5	172.1	81.7	268.1	133.2	436.8	208.8	685.1
	3	20.3	66.5	32.9	108.1	51.3	168.4	83.6	274.4	131.1	430.2
	4	14.4	47.3	23.4	76.8	36.5	119.7	59.4	195.0	93.2	305.8
	5	10.9	35.7	17.7	58.0	27.5	90.4	44.9	147.3	70.4	231.0
	6	8.5	27.9	13.8	45.4	21.6	70.7	35.1	115.3	55.1	180.7
	7			11.1	36.5	17.3	56.8	28.2	92.6	44.3	145.3
	8			8.9	29.2	13.9	45.5	22.6	74.1	35.4	116.2
	9			7.1	23.3	11.1	36.3	18.1	59.2	28.3	92.9
	10			5.4	17.9	8.5	27.8	13.8	45.3	21.7	71.1
	11			4.2	13.8	6.6	21.5	10.7	35.0	16.7	54.9
	12					4.6	15.1	7.5	24.5	11.7	38.5
	13					2.8	9.3	4.6	15.2	7.3	23.9
	14					1.6	5.3	2.6	8.6	4.1	13.5
	15					0.3	0.9	0.5	1.5	0.7	2.4

Note:

1. Please check the wire gauge of your connector in the table "Max. Running Length".

E.g.,

Single-end feed, C-SFR-F22B-12W, 5m light length when with 18AWG wire, max. cable length should refer to the corresponding value 27.5m for 5m light length;

Double-end feed, C-SFR-F22B-12W, 10m light length when with 18AWG wire, max. cable length of each end should refer to the corresponding value 27.5m for half of light length 5m;

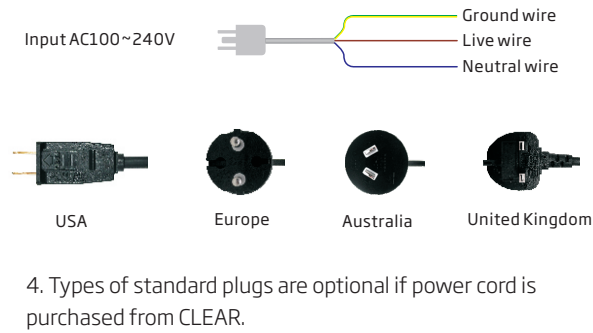
2. The above cable lengths are calculated based on minimum working voltage of 20.5V to activate the built-in constant current IC on circuitry, which enables input voltage range of 22-26V.

Flexglo™ F22B Wiring Diagram

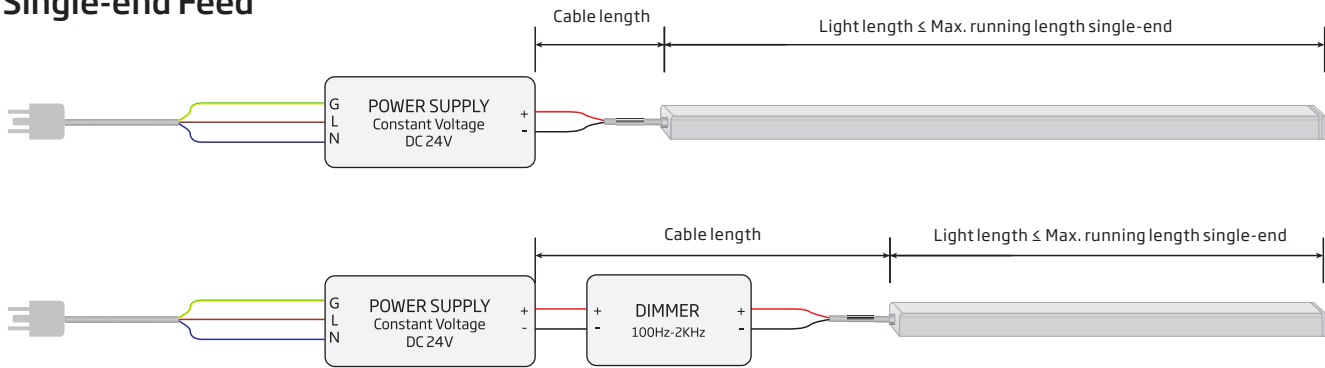
1. Please use a constant voltage power supply with corresponding output voltage, and rated wattage of the power supply shall be 25% more than the actual power consumption of light to increase its life expectancy;

2. This wiring diagram is using the mains of AC230V with brown and blue wires as an example, and please connect with the corresponding live and neutral wires for other mains electricity;

3. Dimming frequency ranges from 100Hz to 2000Hz, and 500Hz is recommended.



Single-end Feed



Light Length:

The length of the longest single light in parallel connection or sum of lights in series connection.

Cable Length:

The length of an electrical cable between power output end and light input end, and the cables for serial interconnection are inclusive.

How to Minimize Voltage Drop

1. Please ensure the cable length is not more than the table "Max. Cable Length" according to light length and its wire gauge.

2. Please ensure the light length is less than the cable "Max. Running Length Single-end Feed".

Max. Running Length Single-end Feed

Input: DC24V				
Connector Type	Swivel Connector	Snap Connector	Socket Connector	Injection-moulded Connector
Wire Gauge	22AWG*2	18AWG*2	18AWG*2	18AWG*2
C-SFR-F22B-6W	10m/32.8ft	24m/78.7ft	24m/78.7ft	24m/78.7ft
C-SFR-F22B-9W	6m/19.7ft	18m/59.1ft	18m/59.1ft	18m/59.1ft
C-SFR-F22B-12W	5m/16.4ft	15m/49.2ft	15m/49.2ft	15m/49.2ft

- Note:
1. Above conclusion is based on voltage drop testing result of the light with 0.3m (0.98ft) cable only.

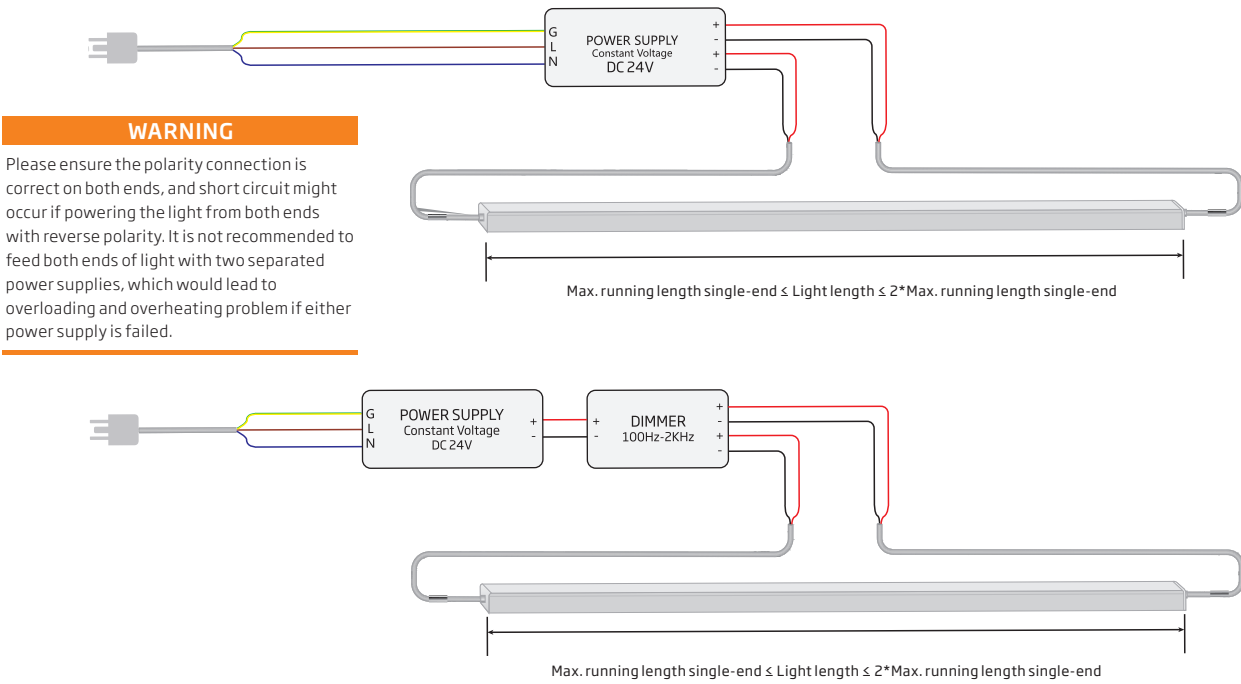
2. The maximum running length is based on the designated light in static full loading status.

3. Above running length is only the light length excluding lengths of connectors.

4. The delivered length might be subject to the maximum packing length.

Double-end Feed

The following wiring diagram with double-end feed to run length that is longer than max. running length for single-end feed but less than twice the value.



Light Length:

The length of the longest single light in parallel connection or sum of lights in series connection.

Cable Length:

The length of an electrical cable between power output end and light input end, and the cables for serial interconnection are inclusive.

How to Minimize Voltage Drop

1. It is optimal to position the power supply in the middle of a single light or multiple lines in daisy chain to keep the equivalent cable length on both ends for double-end feed.

2. Please ensure the cable length is not more than the table "Max. Cable Length" according to the half of light length and its wire gauge.

3. Please ensure the light length is less than the table "Max. Running Length Double-end Feed".

Max. Running Length Double-end Feed

Input: DC24V				
Connector Type	Swivel Connector	Snap Connector	Socket Connector	Injection-moulded Connector
Wire Gauge	22AWG*2	18AWG*2	18AWG*2	18AWG*2
C-SFR-F22B-6W	20m/65.6ft	48m/157.5ft	48m/157.5ft	48m/157.5ft
C-SFR-F22B-9W	12m/39.4ft	36m/118.1ft	36m/118.1ft	36m/118.1ft
C-SFR-F22B-12W	10m/32.8ft	30m/98.4ft	30m/98.4ft	30m/98.4ft

- Note:
1. Above conclusion is based on voltage drop testing result of the light with 0.3m (0.98ft) cable only.

2. The maximum running length is based on the designated light in static full loading status.

3. Above running length is only the light length excluding lengths of connectors.

4. The delivered length might be subject to the maximum packing length.