Flexglo[™] F16E RGBW Light (Silicone)

Š (X)	Certification Mark	(UL)	CE	
5 year Solvents UV Warranty Resistant Resistant	Test Standard/Directive	UL2108 Class 2	CE-EMC	- Contract
	Certificate Serial Number	20180801-E360029	SZEM1712012372LN	IV
Flame Salt Water IK07 Resistant Protection	Report Reference	E360029-20130322	SZEM17120123720	1
CLE Portine	Ambient Working Temperature \$15W/m -40~45°C/-40~113°		tallation Temperature	Storage Temperature -40 ~ 60°C /-40~140°F
RGBW	Max. Mounting Surface Tempera 85°C /185°F specified in the non-working state of	DC24V	ltage	
C-SFR-F16E-VB	C-SFR-F16E-VB-24CV-RGBW(27K)- TT-60-15W-100	Min. Bending Diamet 50mm/1.97in		
	UNIT: cd -C90/270 AVERAGE BEAM ANGLE (50%) : 92.2*	Min. Cutting Length 100mm/3.94in 6LEDs Bending-extreme 810 times Warning: Extreme Destructive	Tensile-instantaneous >60 kg.f	UGHT SURFACE Vertical Bending Twist-extreme 5049 times
	Note:			

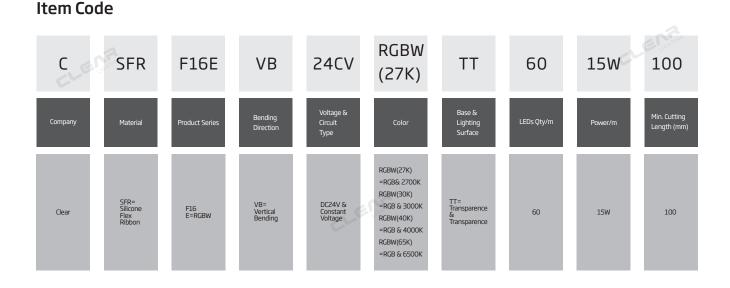
1. The illuminated light length shall be an integral multiple of min. cutting length.

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 IP67.

Feature

Flexglo™ F16E RGBW Light (Silicone), is a color changing product with qua-chip SMD5050 RGBW

LEDs as light source, an ideal product for project where premium LED is required. RGBW color changing is achievable via a 4 channel PWM controller or any compatible DMX-512 controller, and 2700K, 4000K and 6500K in white color are optional.



Thanks to the excellent weatherproof and UV-resistant performance of silicone material, it features a wide ambient working temperature range of -40-45 °C, especially suitable for harsh environment application.

Combined with the adoption of the DryWire™ technology, the IP67 Injection-moulded Connector is engineered for outdoor use, owing to its elegant appearance and strong adhesiveness acquired by the liquid silicone injection workmanship. 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-F16E-VB	
Voltage (V)	24	· · · · · · · · · · · · · · · · · · ·
Current (mA/m)	625.0	
Power (W/m)	15	
Circuit Type	CV	
LED Type	5050	
LEDs Qty/m	60	
LEDs Qty/unit	6	
Unit/m	10	
Min. Cutting Length (mm)	100	
Min. Cutting Length (in)	3.94	

Optical Parameter

Item Code	Finished Product					LED	
	Color	Wavelength /CCT	CCT Tolerance	Lumen/m	Lumen/ft	Color Tolerance	CRI
	Red	618-624nm	N/A	105lm	32Im	<3nm	N/A
 C-SFR-F16E-VB-24CV-RGBW(27K)-TT-60-15W-100	Green	522-530nm	N/A	280lm	85lm	<3nm	N/A
C-SFR-FIDE-VB-24CV-RUDW(27K)-11-00-15W-100	Blue	468-474nm	N/A	55lm	17lm	<3nm	N/A
Che Child	White	2725±85K	<5SDCM	280lm	85lm	<2.3SDCM	82~87
	Red	618-624nm	N/A	105lm	32lm	<3nm	N/A
 C-SFR-F16E-VB-24CV-RGBW(30K)-TT-60-15W-100	Green	522-530nm	N/A	280lm	85lm	<3nm	N/A
	Blue	468-474nm	N/A	55lm	17lm	<3nm	N/A
	White	3045±140K	<5SDCM	280lm	85lm	< 2.3SDCM	82~87
	Red	618-624nm	N/A	105lm	32Im	<3nm	N/A
۔۔ C-SFR-F16E-VB-24CV-RGBW(40K)-TT-60-15W-100 	Green	522-530nm	N/A	280lm	85lm	<3nm	N/A
	Blue	468-474nm	N/A	55lm	17lm	<3nm	N/A
	White	3985±150K	<5SDCM	280lm	85lm	<2.3SDCM	82~87
 C-SFR-F16E-VB-24CV-RGBW(65K)-TT-60-15W-100 	Red	618-624nm	N/A	105lm	32lm	<3nm	N/A
	Green	522-530nm	N/A	280lm	85lm	<3nm	N/A
	Blue	468-474nm	N/A	55lm	17lm	<3nm	N/A
	White	6532±340K	<5SDCM	280lm	85lm	<2.3SDCM	82~87

Note:

CCT Tolerance refers to target CCT and tolerance (ANSI C78.377).
Color Tolerance refers to CLEAR standard for LED.

Max. Running Length Input: DC24V

CLE Contract	5			
Туре	Silicone Injection-moulded Connector			
IP Rating	IP67			
Item Code	Single-end Feed	Double-end Feed		
C-SFR-F16E-15W-Static full loading	8m	16m		
C-SFR-F16E-15W-Dynamic operating	12m	24m		

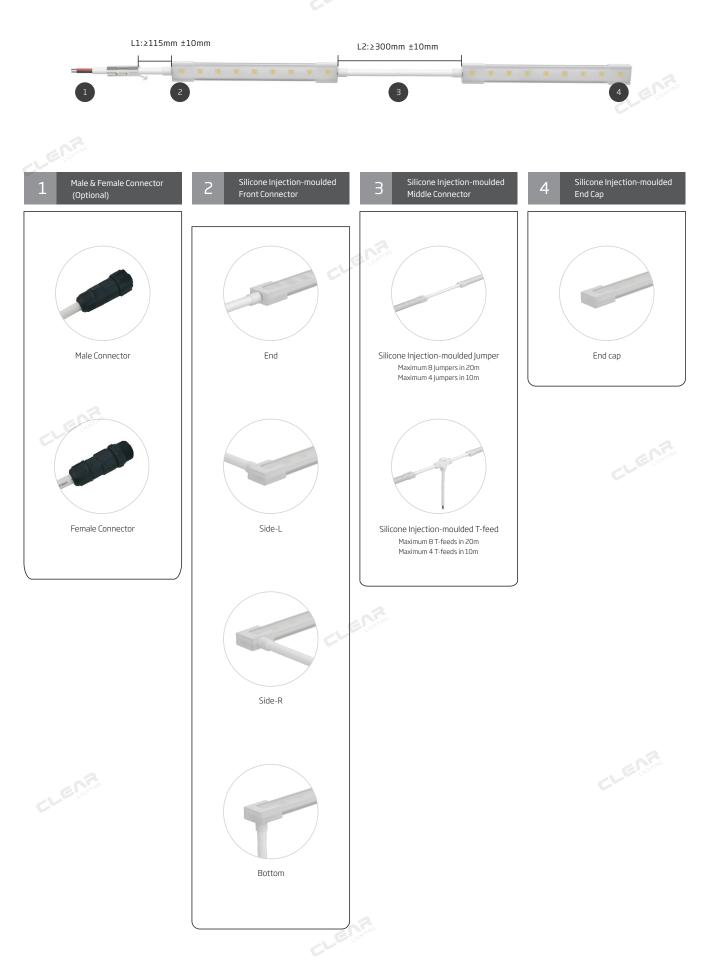
Note:

ENR

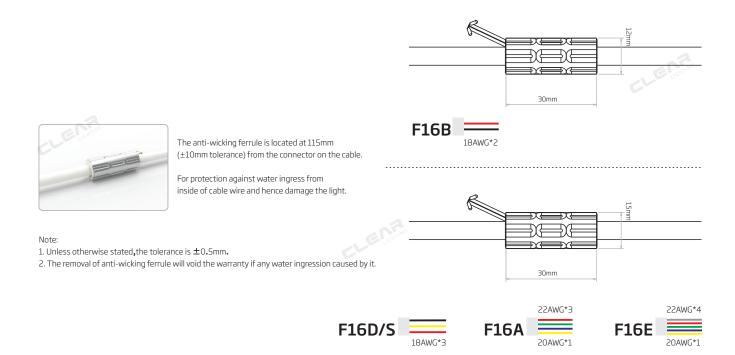
Above conclusion is based on voltage drop testing result of the light with 0.3m cable only.
The maximum running length is based on the light in static full loading status exceptionally stated dynamic operating.
Above running length is only the light length excluding lengths of connectors. Please refer to the specific dimension of each

connector. 4. The delivery length might be subject to the maximum packing length.

Connector Type



Anti-wicking Ferrule

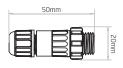


-LE Lorrad

Male & Female Connector



For plug and play cable junction, IP67



Note: Unless otherwise stated, the tolerance is ±2mm.







CLE Port



Aluminum Profile



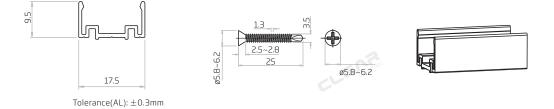


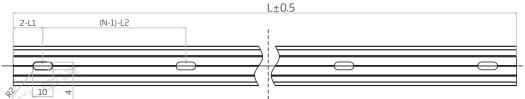
It uses high-quality 6063 aluminum with thin-wall, light- weight design to fit tightly the light body. It is deformation and rust resistant, and cost-effective.

Please refer to the applicable installation ways.

Test Object	No.	Experiment Item	Standard
Metal Parts	1	Weather Resistance-Salt Spray	IEC 68-2-11
Mounting profile	2	Clamping force	CLEAR-defined

Dimension: mm







Note:

1.2-L1 refers to two of symmetric L1 in each piece of profile.

2. (N-1)-L2 refers to (N minus one) of symmetric L2 in each piece of profile.

"N" hereby stands for its corresponding "Hole Number" in the below table

Item Code	Standard Length	L1	L2	Slotted Hole	Hole Number
F16-A/PL-35MM-AL	35mm/1.38in	17.5mm/0.69in	/	4*10mm/0.16*0.39in	1
F16-A/PL-500MM-AL	500mm/19.68in	50mm/1.97in	200mm/7.87in	4*10mm/0.16*0.39in	З
F16-A/PL-1000MM-AL	1000mm/39.37in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	5
F16-A/PL-2000MM-AL	2000mm/78.74in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	10