STENS®

CLEAR

• Creative • Listening • Expert • Advanced • Reliable

ISO14025 • ISO14001 • ISO9001



HEARTS AND CRAFTS

TECHNOLOGY EVOLUTION

V1.0

2003~2006
DIP LED+Metal Wire


2002
DIP LED Rope


2003
DIP LED Neon Rope

V2.0

2006~2009
SMD LED+Metal Wire


2006
SMD LED Rope


2007
SMD LED Neon Rope

V2.1

2009~2010
SMD LED+Metal Wire
+Copper Belt V1


2010
FPCB LED Strip

V3.0

2010~2023
SMD LED+FPCB V1
+Copper Belt V2


2011
FPCB LED Neon (PVC)


2017
FPCB LED Neon (Silicone)

V4.0

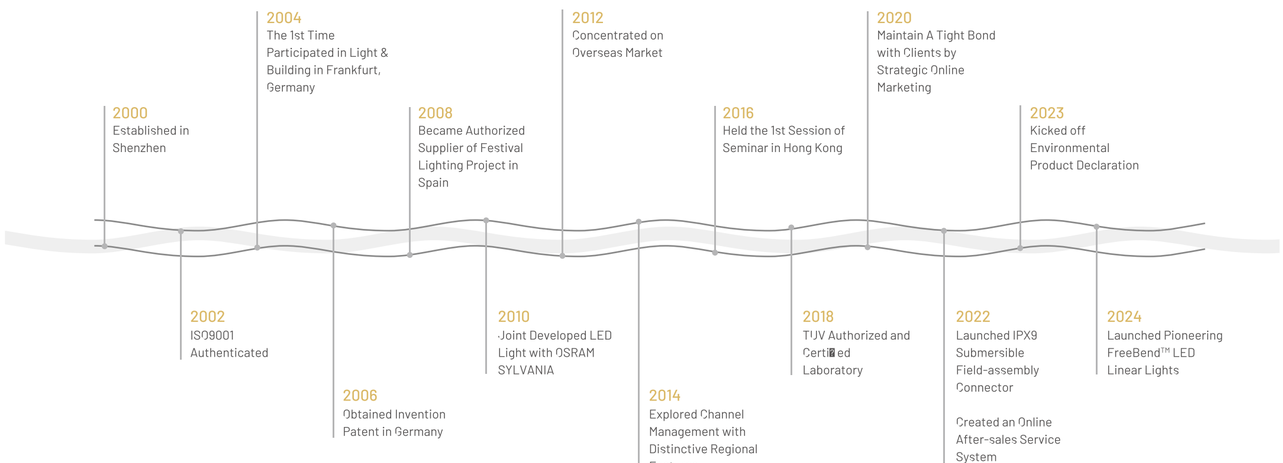
From 2024~
SMD LED+ Adapwire+FPCB V2

Refer to the spec of FreeBend™

Creative

Creative Spirit for Product Innovation

Over the last 24 years' evolving and embracing the idea that the development of a company is derived from its cultural value, CLEAR has cultivated a core value Hearts and Crafts, which inspires us to devote ourselves to innovation and serve customers wholeheartedly.





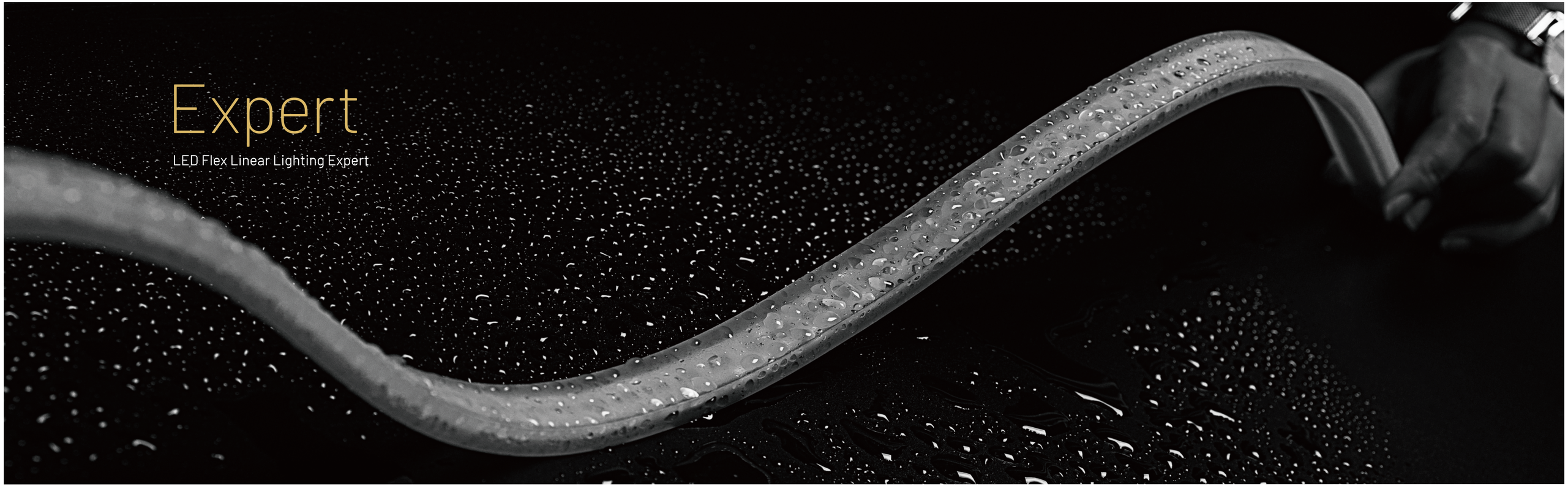
Listening

Active Listening Quick Response

Driven by the core values of Hearts and Crafts, we keep understanding our customers' needs, listening to their feedbacks, delivering products and solutions that exceed the most stringent standard, and have garnered industry-wide recognition for our customer-first approach.

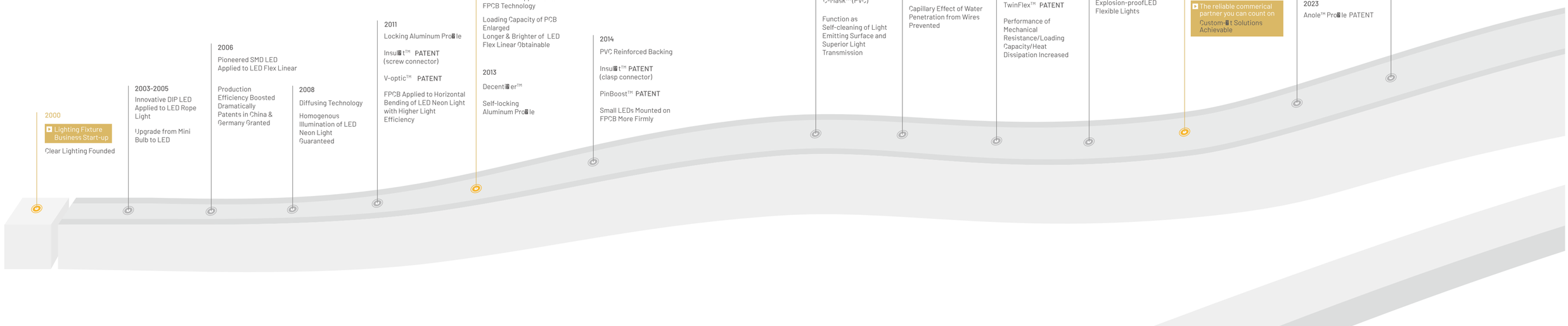
Expert

LED Flex Linear Lighting Expert



Advanced

Focus on Advanced Technology



2000
- Lighting Fixture Business Start-up

Clear Lighting Founded

2003-2005
Innovative DIP LED Applied to LED Rope Light

Upgrade from Mini Bulb to LED

2006
Pioneered SMD LED Applied to LED Flex Linear

Production Efficiency Boosted Dramatically
Patents in China & Germany Granted

2008
Diffusing Technology

Homogenous Illumination of LED Neon Light Guaranteed

2011
Locking Aluminum Profile

Insulit™ PATENT (screw connector)

V-optic™ PATENT

FPCB Applied to Horizontal Bending of LED Neon Light with Higher Light Efficiency

2012
- To be a respectable enterprise! LED Flex Linear Field Pivoted

Thickened Copper Foil of FPCB Technology

Loading Capacity of PCB Enlarged
Longer & Brighter of LED Flex Linear Obtainable

2013
Decentifier™

Self-locking Aluminum Profile

2014
PVC Reinforced Backing

Insulit™ PATENT (clasp connector)

PinBoost™ PATENT

Small LEDs Mounted on FPCB More Firmly

2015
Silicone Product Kick-off

C-Mask™ (PVC)

Function as Self-cleaning of Light Emitting Surface and Superior Light Transmission

2016
Spring Clip Aluminum Profile

Insulit™ PATENT (snap connector)

DryWire™ PATENT

Capillary Effect of Water Penetration from Wires Prevented

2018
C-Mask™ (Silicone)

TwinFlex™ PATENT

Performance of Mechanical Resistance/Loading Capacity/Heat Dissipation Increased

2019
Serrated Aluminum Profile

Netic™ PATENT

PCB Wrinkle & Stretch out of Expansion & Contraction Eased

Explosion-proof LED Flexible Lights

2020
- The reliable commerical partner you can count on
- Custom-fit Solutions Achievable

2022
Adapwire™ PATENT
International Patents
US11415278
AU2020383902

SegPCB™

2023
Anole™ Profile PATENT

2024
- FreeBend™ LED Linear Lights Roll-out
- ZagLiu™ PATENT

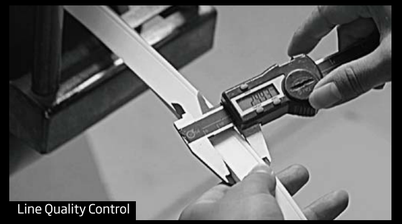
Test object	Experiment item	Test standard
Light source	Photoelectricity-ESD-2KV	Manufacturer-defined
	High & low termperature shock(-40~100℃)	JELTA ED-4701 100 105
	Strength of bracket	Manufacturer-defined
	Lifespan 85℃ oven aging	IES LM84, IES TM28
PCB	Tensile-Instantaneous destruction	Manufacturer-defined
Plastic material	UV exposure @340nm & 55℃	Manufacturer-defined
	Outdoor exposure	Manufacturer-defined
	Flame resistance—UL94	UL94
	UV exposure + spray @340nm & 55℃	Manufacturer-defined
Metal accessory	Weather resistance-Salt spray	IEC 68-2-11
	Clamping force	Manufacturer-defined
	Long-term water immersion (tap water, sea water, swimming pool water, hot spring water)	Manufacturer-defined

Test object	Experiment item	Test standard
Finished product	High & low temperature shock -45℃~60℃	Manufacturer-defined
	Lifespan-Indoor/outdoor aging	IES LM84, IES TM28
	Lifespan 55℃ oven aging	IES LM84, IES TM28
	Lifespan 65℃ 100％Rh oven aging	Manufacturer-defined
	Lifespan 110℃ oven aging	Manufacturer-defined
	Weather resistance-Salt spray	Manufacturer-defined
	High-pressure water jet	Manufacturer-defined
	Static load	IEC60598-2-13
	Temperature rise	UL 1598, IEC/EN 60598-1
	IK08/IK10	IEC 62262
	Correct bending-extreme	Manufacturer-defined
	Twist-extreme	Manufacturer-defined
	Tensile-Instantaneous destruction	Manufacturer-defined
	IPX5 / IPX6 / IPx7 / IPx8	Manufacturer-defined
	Long-term water immersion (10m depth tap water, sea water, 5PPM chlorine swimming pool water, 45℃ hot spring water)	Manufacturer-defined

Quality Inspection Standard of Reliability


Environmental Test


Material Study


Line Quality Control

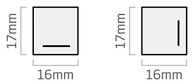

Incoming Quality Control

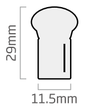

Outgoing Quality Control

Reliable

The Reliable Commercial Partner You Can Count On

Product Portfolio-Flexglo™

Article No.	FlexGlo™ F2219	FlexGlo™ F2222	FlexGlo™ F22	FlexGlo™ F23	FlexGlo™ F15
Sectional Dimension					
Lumen(3000K)	>1300lm/m, 16.5W | >1000lm/m, 16.5W		>950lm/m, 12W | >660lm/m, 12W	>480lm/m, 9W | >420lm/m, 9W	>340lm/m, 12W
Feature	Flexglo™ F2219 and F2222 share the same light surface with different bending directions. * 3G vibration rating to withstand strong wind and traffic-induced vibration * suitable for the applications where large luminous surface is needed * DMX compatibility with high gray level options * 200m continuous run length is available for F2219		Flexglo™ F22 is best-known for its diversity and extensive use in various areas. * packaged solutions with two bending options and A/B/D/E/S series to fit one-single large scale project * vertical and honrizontal bending * ideal for all types of architectural lighting * Dim-to-Warm lighting for mood creation * three-emitting surface light for handrails and artwork	Flexglo™ F23 is an exquisite combination of small size and great usability. * full-black finish from light body to cable available for discreet installation * on-site length adjustment available with min. cutting length up to 18.5mm * ideal for high-end applications such as hospitality, retail and landscape	Flexglo™ F15, the first generation of LED flex neon, adopts the ground-breaking ClearTech:V-Optic™ * flat emitting surface great for recessed installation when equipped with the flange mounting profile * Ideal for contour lighting and indicator lighting

FlexGlo™ F21	FlexGlo™ F10	FlexGlo™ F16	FlexGlo™ F2010
			
>470lm/m, 12W	>130lm/m, 4.5W	>900lm/m, 12W	>1000lm@6500K, 12W
Flexglo™ F21, dome-shaped, radiates at a beam angle up to 160° (50%). * used for cove and accent lighting to enhance the ambiance * Pantone-color custom finish available for stage lighting * black/gray jackets to blend in with the background discreetly, fantastic for walls and ceilings	Flexglo™ F10 is the most compact neon flex for architectural lighting. * the preferred choice for recessed installaion where the slotting space is narrow * low wattage, perfect for ErP or LPD demands where reduced light pollution and environmental compliance are required	Flexglo™ F16 is a LED flex linear with visible dots. * ideal for indirect lighting * continuous run up to 60 meters * a neon effect achievable with a silicone diffuser * black/white/transparent light finish colors available to choose from for inconspicuous installation	Flexglo™ F2010 is LED flex linear designed for super long lighting scenarios. * continuous run up to 200m with one single power feed * consistent brightnesss for both ends * ideal for bridges, tunnels, etc

B=Monochrome

CRI 80	CRI 90	CRI 95
2200K		
2700K	2700K	
3000K	3000K	3000K
3500K	3500K	
4000K	4000K	
5700K		

Red	618-624nm
Green	522-528nm
Blue	468-474nm
Amber	588-594nm

D=Dynamic White

CRI 80
2200~5700K

A=RGB

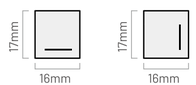
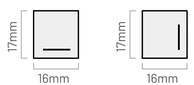
RGB

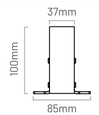
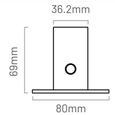
E=RGBW

CRI 80
RGBW(27K)
RGBW(30K)
RGBW(40K)

S=Pixel Light

Product Portfolio-Niche Markets

Article No.	AquaGlo® F22		ThermGlo® F15	ThermGlo® F22	
Sectional Dimension					
Lumen	>950lm@3000K, 12W | >660lm@3000K, 12W		>210lm@3000K, 6W	>350lm@3000K, 6W | >260lm@3000K, 6W	
Feature	Aquaglo™ F22 series is the first LED neon flex that is UL676 safety approved * UL676 SJOW cable designed for underwater projects * submersion max. up to 5m * suitable for water with chlorine levels 5ppm * dynamic and pixel addressable light effects available * ideal for swimming pools, ponds, seaside area, hot springs, etc. 		Thermglo™ F15 Sauna Flex is designed to withstand intense temperatures and humidity. * excellent heat dissipation and IP67 waterproof performance * max. ambient temp.: 110°C, 100% relative humidity * RGB color options for ambience creation 		
	2200K 2700K 3000K 3500K 4000K 5700K Red Green Blue Amber 22-57K RGB RGBW RGBW(27K) RGBW(30K) RGBW(40K) S(SPI/DMX)		2200K 2700K 3000K 3500K 4000K 5700K Red Green Blue Amber 22-57K RGB RGBW RGBW(27K) RGBW(30K) RGBW(40K)		

SafeGlo® F2010	Luxpave™ IG-85100	Luxpave™ IG-8069	
			
>1000lm@6500K, 12W	>340lm@3000K, 12W	>450lm@3000K, 12W	
Safeglo™ F2010 is the first worldwide LED flex linear certified ETL, ATEX, and IECEx, built for hazardous areas. * continuous illumination without dark areas for reduced dangers * RGA changeable colors are available for signal indicating. * 24V/36V/48V safe voltage * multiple easy installations including suspension and straps * packaged solutions with Ex power supply and Ex enclosure included. 	Luxpave™ IG-85100 is the stainless steel version of in-ground LED linear light. * driveover for heavy-duty vehicles * uniterrupted illumination * replaceable components for easy maintenance, no further destruction on the ground. * Anti-Slip, IK10 	Luxpave™ IG-8069 is the aluminum alloy version of in-ground LED linear light. * stamp-on only for heels and pedestrians * uniterrupted illumination * replaceable components for easy maintenance, no further destruction on the ground. * Anti-Slip, IK10 	
6500K Red Green Amber S(SPI)		2100K 3000K 4000K 5000K Red Green Blue 21-55K RGB RGBW RGBW(27K) RGBW(30K) RGBW(35K) S(DMX)	

Connector

Name	Swivel Connector	Socket Connector	Snap Connector	Dual PVC Injection-moulded Connector (UL676-Certified)	Silicone Injection-moulded Connector
Picture					
IP Rating	IP20	IP67	IP67	IP68	IP68
Feature	Mini Size Tool-less Omni-directional Cable	Mini Size Tool-less Drywire™ Insulit™	Tool-less Drywire™ Insulit™	UL676 Certified Dedicated SJTW Cable	Seamless Joint Precise Dimension Exclusive Formulation Branded Raw Material Drywire™
Application	Indoor and Dry Environments	Outdoor and Wet Environments	Outdoor and Wet Environments	High Chlorine Environment Underwater Environment (Max. 5m Depth) High-low Temperature	Intense UV Underwater Environment (Max. 5m Depth) High-low Temperature Intense Humidity
Cable Type	B 18AWG*2	B 18AWG*2 D/S(SPI) 18AWG*3 A 22AWG*3 20AWG*1	B 18AWG*2 D/S(SPI) 18AWG*3 A 22AWG*3 20AWG*1	B 18AWG*2 D/S(SPI) 18AWG*3 Only B/D/S series are UL676 certificated	B 18AWG*2 A 22AWG*3 20AWG*1 E 22AWG*4 20AWG*1 D/S(SPI) 18AWG*3 S(DMX) 22AWG*3 20AWG*2

Silicone Injection-moulded Connector (UL676 Certified)

IP68
Seamless Joint Compact Appearance UL676 Certified Dedicated SJOW Cable
Intense UV Underwater Environment (Max. 5m Depth) High-low Temperature
B 18AWG*2 D/S(SPI) 18AWG*3

Mounting Pro?le

Name	Aluminum Pro?le	Flange Aluminum Pro?le	Serrated Aluminum Pro?le	Flange Serrated Aluminum Pro?le	Bendable Serrated Aluminum Pro?le	Thickened Plastic Pro?le	Stainless Steel Pro?le
Picture							
Item Code	A/PL	FA/PL	SA/PL	FSA/PL	BSA/PL	TP/PL	SS/PL
Length (mm)	35, 500, 1000, 2000	35, 500, 1000, 2000	20, 500, 1000, 2000	20, 500, 1000, 2000	500, 1000	35, 500, 1000, 2000	35
Applicable to							

Compact Raceway Aluminum Pro?le	Bendable Compact Raceway Aluminum Pro?le	Bendable Anole Pro?le
		
CRA/PL	BCRA/PL	Anole-WW/Anole-DD
500, 1000, 2000	500, 1000, 2000	55, 110, 200, 500, 1000
		

F2219 Vertical Bending (Silicone)

ANTI
Yellowing

3
SDCM

Ø300mm
Min. Bending

200m
Ultra-long

5
5 year Warranty

Ambient Working Temperature

16W–22W	-40–45℃	-40–113℉
13W–15W	-40–50℃	-40–122℉
10W–12W	-40–55℃	-40–131℉
7W–9W	-40–60℃	-40–140℉
≤6W	-40–65℃	-40–149℉



Article No.	SFR-F2219B			SFR-F2219D	SFR-F2219A	SFR-F2219E	SFR-F2219S6(DMX)			SFR-F2219S8(SPI)		SFR-F2219 Ultra-long			
Light Color															
Voltage & Circuit Type	24DC	24DC	24DC	24CV	24CV	24CV	24DC	24DC	24CV	24CV	24DC	48DC	48DC	48DC	48DC
Power/m	12W	16.5W	18W	12W	12W	15W	15W	12W	12W	16.5W	22W	2W	6W	9W	12W
Lumen/m (3000K)	>920lm	>1300lm	>1550lm	/	/	/	/	/	/	/	/	>130lm	>360lm	>540lm	>720lm
Min. Cutting Length (mm)	50	50	55.6	83.3	83.3	83.3	166.7	166.7	166.7	83.3	83.3	250	250	250	250
Max. Run Length (m) (Single-end Feed)	15	10	6	10	10	8	8	10	10	10	8	200	140	120	100

IP Rating	IP68	IP67 Ultra-long
Connector Type	Silicone Injection-moulded Connector	Silicone Injection-moulded Connector
End Feed	V	V
Side Feed	V	
Bottom Feed	V	
End Cap	V	V
Applicable to	B/D/A/E/S	B

E-CATALOG

FlexGlo™

Horizontal Bending (Silicone) F2222



Ambient Working Temperature

16W–22W	-40–45℃	-40–113℉
13W–15W	-40–50℃	-40–122℉
10W–12W	-40–55℃	-40–131℉
7W–9W	-40–60℃	-40–140℉
≤6W	-40–65℃	-40–149℉

ANTI
Yellowing

3
SDCM

55 ℃
-40 ℃
T Ambient Working

Ø300mm
Min. Bending

5
5 year Warranty

Article No.	SFR-F2222B			SFR-F2222D	SFR-F2222A	SFR-F2222E	SFR-F2222S6(DMX)				SFR-F2222S6(SPI)	
Light Color												
Voltage & Circuit Type	24DC	24DC	24DC	24CV	24CV	24CV	24DC	24DC	24DC	24CV	24CV	24DC
Power/m	12W	16.5W	18W	12W	12W	15W	15W	15W	12W	12W	16.5W	22W
Lumen/m (3000K)	>720lm	>1000lm	>1150lm	/	/	/	>560lm	/	/	/	/	/
Min. Cutting Length (mm)	50	50	55.6	83.3	83.3	83.3	166.7	166.7	166.7	166.7	83.3	83.3
Max. Run Length (m) (Single-end Feed)	15	10	6	10	10	8	8	8	10	10	10	8

IP Rating	IP68
Connector Type	Silicone Injection-moulded Connector
End Feed	V
Side Feed	V
Bottom Feed	V
End Cap	V
Applicable to	B/D/A/E/S

E-CATALOG

F22 Vertical Bending (Silicone)

ANTI Yellowing

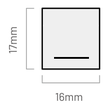
3 SDCM

Ø300mm Min. Bending

5 year Warranty

Ambient Working Temperature

16W–22W	-40-45℃	-40-113℉
13W–15W	-40-50℃	-40-122℉
10W–12W	-40-55℃	-40-131℉
7W–9W	-40-60℃	-40-140℉
≤6W	-40-65℃	-40-149℉



Article No.	SFR-F22B					SFR-F22D	SFR-F22A	SFR-F22E	SFR-F22S6(DMX)			SFR-F22S10(SPI)	SFR-F22S12(SPI)		
Light Color															
Voltage & Circuit Type	24CC	24CC	24CC	24CC	24CC	24CV	24CV	24CV	24CC	24CC	24CC	24CC	24CC	24CC	24CC
Power/m	8W	6W	9W	12W	15W	12W	12W	15W	12W	12W	9W	10W	12W	16.5W	22W
Lumen/m (3000K)	/	>280lm	>420lm	>950lm	>700lm	/	/	/	/	/	/	/	/	/	/
Min. Cutting Length (mm)	83.3	55.6	55.6	55.6	55.6	83.3	83.3	83.3	166.7	166.7	166.7	100	83.3	83.3	83.3
Max. Run Length (m) (Single-end Feed)	20	30	18	15	10	15	10	8	7	6	7	15	15	10	8

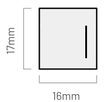
Full color jacket and full black jacket are available.

IP Rating	IP20	IP67	IP67	IP68
Connector Type	Swivel Connector	Socket Connector	Snap Connector	Silicone Injection-moulded Connector
End Feed	V	V	V	V
Side Feed			V	V
Bottom Feed			V	V
End Cap	V	V	V	V
Applicable to	B	B	B	B/D/A/E/S

E-CATALOG

FlexGlo™

Horizontal Bending (Silicone) F22



Ambient Working Temperature

16W–22W	-40-45℃	-40-113℉
13W–15W	-40-50℃	-40-122℉
10W–12W	-40-55℃	-40-131℉
7W–9W	-40-60℃	-40-140℉
≤6W	-40-65℃	-40-149℉

ANTI Yellowing

3 SDCM

Ø300mm Min. Bending

5 year Warranty

Article No.	SFR-F22B	SFR-F22B				SFR-F22D	SFR-F22A	SFR-F22E	SFR-F22S6 (DMX)			SFR-F22S10(SPI)	SFR-F22S12(SPI)		
Light Color															
Voltage & Circuit Type	24CC	24CC	24CC	24CC	24CC	24CV	24CV	24CV	24CC	24CC	24CC	24CC	24CC	24CC	24CC
Power/m	8W	6W	9W	12W	15W	12W	12W	15W	12W	12W	9W	10W	12W	16.5W	22W
Lumen/m (3000K)	/	>235lm	>350lm	>470lm	>600lm	/	/	/	/	/	/	/	/	/	/
Min. Cutting Length (mm)	83.3	55.6	55.6	55.6	55.6	83.3	83.3	83.3	166.7	166.7	166.7	100	83.3	83.3	83.3
Max. Run Length (m) (Single-end Feed)	20	30	18	15	10	15	10	8	7	6	7	15	15	10	8

Full color jacket and full black jacket are available.

IP Rating	IP20	IP67	IP67	IP68
Connector Type	Swivel Connector	Socket Connector	Snap Connector	Silicone Injection-moulded Connector
End Feed	V	V	V	V
Side Feed			V	V
Bottom Feed			V	V
End Cap	V	V	V	V
Applicable to	B	B/D/S(SPI)	B/D/S(SPI)	B/D/A/E/S

E-CATALOG

F23 (Silicone)

ANTI
Yellowing

MINI

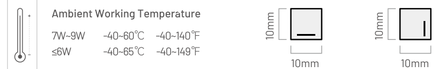
3
SDCM

Ø100mm
Min. Bending

5
5 year Warranty

Ambient Working Temperature

7W–9W	-40–60℃	-40–140℉
≤6W	-40–65℃	-40–149℉



Article No.	SFR-F23B-VB	SFR-F23B-VB	SFR-F23B-HB	SFR-F23B-HB
Light Color				
Voltage & Circuit Type	24CV	24CV	24CV	24CV
Power/m	4.5W	9W	4.5W	9W
Lumen/m (3000K)	>260lm	>480lm	>210lm	>420lm
Min. Cutting Length (mm)	83.3	83.3	83.3	83.3
Max. Run Length (m) (Single-end Feed)	15	7.5	15	7.5

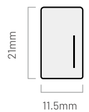
Full black jacket is available.

IP Rating	IP20	IP65	IP67
Connector Type	Swivel Connector	Socket Connector	Silicone Injection-moulded Connector
End Feed	V	V	V
Side Feed			V
Bottom Feed			V
End Cap	V	V	V
Applicable to	B	B	B

E-CATALOG

FlexGlo™

Horizontal Bending (Silicone) F15



Ambient Working Temperature

13W–15W	-40–50℃	-40–122℉
10W–12W	-40–55℃	-40–131℉
7W–9W	-40–60℃	-40–140℉
≤6W	-40–65℃	-40–149℉

ANTI
Yellowing

3
SDCM

Ø120mm
Min. Bending

5
5 year Warranty

Article No.	SFR-F15B	SFR-F15B	SFR-F15B	SFR-F15B	SFR-F15D	SFR-F15A	SFR-F15E	SFR-F15S8(SPI)			SFR-F15S8(DMX)	
Light Color												
Voltage & Circuit Type	24CC	24CC	24CC	24CC	24CV	24CV	24CV	24CC	24CC	24CC	24CC	24CC
Power/m	8W	6W	9W	12W	12W	12W	15W	12W	10W	15W	15W	12W
Lumen/m (3000K)	/	>170lm	>260lm	>340lm	/	/	/	>350lm	>120lm	/	>250lm	>150lm
Min. Cutting Length (mm)	125	83.3	83.3	83.3	83.3	100	100	125	100	125	166.7	166.7
Max. Run Length (m) (Single-end Feed)	20	30	18	15	15	10	8	15	15	10	7	8

Full color jacket and full black jacket are available.

IP Rating	IP20	IP67	IP67	IP68
Connector Type	Swivel Connector	Socket Connector	Snap Connector	Silicone Injection-moulded Connector
End Feed	V	V	V	V
Side Feed			V	V
Bottom Feed			V	V
End Cap	V	V	V	V
Applicable to	B	B/D/A/S(SPI)	B/D/A/E(End Feed)/S(SPI)	B/D/A/E/S

E-CATALOG

F21 Horizontal Bending (Silicone)

ANTI
Yellowing

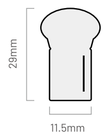
3
SDCM

Ø120mm
Min. Bending

5 year Warranty

Ambient Working Temperature

13W–15W	-40–50℃	-40–122℉
10W–12W	-40–55℃	-40–131℉
7W–9W	-40–60℃	-40–140℉
≤6W	-40–65℃	-40–149℉



Article No.	SFR-F21B				SFR-F21D	SFR-F21A	SFR-F21E	SFR-F21S8(SPI)			SFR-F21S8(DMX)		
Light Color													
Voltage & Circuit Type	24CC	24CC	24CC	24CC	24CV	24CV	24CV	24CC	24CC	24CC	24CC	24CC	24CC
Power/m	8W	6W	9W	12W	12W	12W	15W	12W	10W	15W	15W	15W	12W
Lumen/m (3000K)	/	>235lm	>350lm	>470lm	/	/	/	>400lm	>130lm	/	>380lm	>110lm	>210lm
Min. Cutting Length (mm)	125	83.3	83.3	83.3	83.3	100	100	125	100	125	166.7	166.7	166.7
Max. Run Length (m) (Single-end Feed)	20	30	18	15	15	10	8	15	15	10	7	7	8

Full color jacket is available.

IP Rating	IP20	IP67	IP67	IP68
Connector Type	Swivel Connector	Socket Connector	Snap Connector	Silicone Injection-moulded Connector
End Feed	V	V	V	V
Side Feed			V	V
Bottom Feed			V	V
End Cap	V	V	V	V
Applicable to	B	B/D/A/S(SPI)	B/D/A/S(SPI)	B/D/A/E/S

E-CATALOG

Horizontal Bending (Silicone) F10



Ambient Working Temperature

≤6W	-40–65℃	-40–149℉

ANTI
Yellowing

ANSI
C 78.377

3
SDCM

55℃
-40℃
T Ambient Working

Ø99mm
Min. Bending

5 year Warranty

Article No.	SFR-F10B	SFR-F10B	SFR-F10B	SFR-F10B
Light Color				
Voltage & Circuit Type	24CV	24CV	12CV	12CV
Power/m	3.5W	4.5W	4.5W	4.5W
Lumen/m (3000K)	/	130lm	/	130lm
Min. Cutting Length (mm)	125	83.3	41.7	41.7
Max. Run Length (m) (Single-end Feed)	30	30	30	30

IP Rating	IP20	IP67	IP67	IP68
Connector Type	Swivel Connector	Socket Connector	Snap Connector	Silicone Injection-moulded Connector
End Feed	V	V	V	V
Side Feed			V	V
Bottom Feed			V	V
End Cap	V	V	V	V
Applicable to	B	B	B	B

E-CATALOG

FlexGlo™

F16 Vertical Bending (Silicone)

ANTI Yellowing

3 SDCM

Ø60mm Min. Bending

5 year Warranty

Ambient Working Temperature

13W-15W	-40-50℃	-40-122℉
10W-12W	-40-55℃	-40-131℉
7W-9W	-40-60℃	-40-140℉
≤6W	-40-65℃	-40-149℉



Article No.	SFR-F16B	SFR-F16B	SFR-F16B	SFR-F16D	SFR-F16A	SFR-F16A	SFR-F16E	SFR-F16S8(SPI)			SFR-F16S10(SPI)
Light Color											
Voltage & Circuit Type	24CC	24CC	24CC	24CV	24CV	24CV	24CV	24CC	24CC	24CC	24CC
Power/m	8W	6W	12W	12W	6W	12W	15W	12W	12W	15W	10W
Lumen/m (3000K)	/	>450lm	>900lm	/	/	/	/	/	/	/	/
Min. Cutting Length (mm)	125	166.7	83.3	83.3	100	100	100	125	125	125	100
Max. Run Length (m) (Single-end Feed)	20	30	15	15	20	10	8	15	15	10	15

IP Rating	IP67	IP67
Connector Type	Snap Connector	Silicone Injection-moulded Connector
End Feed	V	V
Side Feed	V	V
Bottom Feed	V	V
End Cap	V	V
Applicable to	B/D/A/E(End Feed)/S	B/D/A/E/S

E-CATALOG

FlexGlo™

Vertical Bending (Silicone) F2010



Ambient Working Temperature

10W-12W	-40-55℃	-40-131℉
7W-9W	-40-60℃	-40-140℉
≤6W	-40-65℃	-40-149℉

200m Ultra-long

ANTI Yellowing

3 SDCM

Ø300mm Min. Bending

5 year Warranty

Article No.	SFR-F2010B Ultra-long			
Light Color				
Voltage & Circuit Type	48CC	48CC	48CC	48CC
Power/m	2W	5W	9W	12W
Lumen/m (3000K)	>180	>420	>700	>950
Min. Cutting Length (mm)	250	250	250	166.7
Max. Run Length (m) (Single-end Feed)	200	180	120	100

IP Rating	IP67
Connector Type	Silicone Injection-moulded Connector
End Feed	V
Side Feed	
Bottom Feed	
End Cap	V
Applicable to	B

F22 Vertical Bending (Silicone)

ANTI
Yellowing

3
SDCM

Ø300mm
Min. Bending

5
5 year
Warranty

Ambient Working Temperature

(1)Above waters

16W-22W	-40-45℃	-40-113℉
13W-15W	-40-50℃	-40-122℉
10W-12W	-40-55℃	-40-131℉
7W-9W	-40-60℃	-40-140℉
≤6W	-40-65℃	-40-149℉

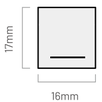
(2)Underwaters

6W-22W	-40-35℃	-40-95℉

UL 676 Safety Approved

30m Single Length

5m Depth

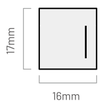


Article No.	SFR-F22B	SFR-F22B	SFR-F22B	SFR-F22B	SFR-F22B	SFR-F22D	SFR-F22A	SFR-F22E	SFR-F22S6(DMX)			SFR-F22S10(SPI)	SFR-F22S12(SPI)		
Light Color															
Voltage & Circuit Type	24CC	24CC	24CC	24CC	24CC	24CV	24CV	24CV	24CC	24CC	24CC	24CC	24CC	24CC	24CC
Power/m	8W	6W	9W	12W	15W	12W	12W	15W	12W	12W	9W	10W	12W	16.5W	22W
Lumen/m (3000K)	/	>280lm	>420lm	>950lm	>700lm	/	/	/	/	/	/	/	/	/	/
Min. Cutting Length (mm)	83.3	55.6	55.6	55.6	55.6	83.3	83.3	83.3	166.7	166.7	166.7	100	83.3	83.3	83.3
Max. Run Length (m) (Single-end Feed)	20	30	18	15	10	15	10	8	7	6	7	15	15	10	8

IP Rating	IP68	IP68	IP68
Connector Type	Silicone Injection-moulded Connector	Silicone Injection-moulded Connector (UL676)	Bail-latch Connector
End Feed	V	V	V
Side Feed	V	V	
Bottom Feed	V	V	
End Cap	V	V	V
Applicable to	B/D/A/E/S	B/D/S(SPI)	B

E-CATALOG

Horizontal Bending (Silicone) F22



UL 676 Safety Approved

30m Single Length

5m Depth

Ambient Working Temperature

(1)Above waters

16W-22W	-40-45℃	-40-113℉
13W-15W	-40-50℃	-40-122℉
10W-12W	-40-55℃	-40-131℉
7W-9W	-40-60℃	-40-140℉
≤6W	-40-65℃	-40-149℉

(2)Underwaters

6W-22W	-40-35℃	-40-95℉

ANTI
Yellowing

3
SDCM

Ø300mm
Min. Bending

5
5 year
Warranty

Article No.	SFR-F22B	SFR-F22B	SFR-F22B	SFR-F22B	SFR-F22B	SFR-F22D	SFR-F22A	SFR-F22S6(DMX)			SFR-F22S10(SPI)	SFR-F22S12(SPI)		
Light Color														
Voltage & Circuit Type	24CC	24CC	24CC	24CC	24CC	24CV	24CV	24CC	24CC	24CC	24CC	24CC	24CC	24CC
Power/m	8W	6W	9W	12W	15W	12W	12W	12W	12W	9W	10W	12W	16.5W	22W
Lumen/m (3000K)	/	>235lm	>350lm	>470lm	>600lm	/	/	/	/	/	/	/	/	/
Min. Cutting Length (mm)	83.3	55.6	55.6	55.6	55.6	83.3	83.3	166.7	166.7	166.7	100	83.3	83.3	83.3
Max. Run Length (m) (Single-end Feed)	20	30	18	15	10	15	10	7	6	7	15	15	10	8

IP Rating	IP68	IP68	IP68
Connector Type	Silicone Injection-moulded Connector	Silicone Injection-moulded Connector (UL676)	Bail-latch Connector
End Feed	V	V	V
Side Feed	V	V	
Bottom Feed	V	V	
End Cap	V	V	V
Applicable to	B/D/A/E/S	B/D/S(SPI)	B/D/S(SPI)

E-CATALOG

F22 Vertical Bending (PVC)

ANTI
Yellowing

3
SDCM

Ø300mm
Min. Bending

3
3 year
Warranty

Ambient Working Temperature

(1) Above waters

10W–12W	-40–55℃	-40–131℉
7W–9W	-40–60℃	-40–140℉
≤6W	-40–65℃	-40–149℉

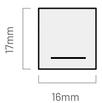
(2) Underwaters

6W–12W	-40–35℃	-40–95℉

UL
UL 676 Safety Approved

30m
30m Single Length

5m
5m Depth

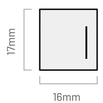


Article No.	SFR-F22B	SFR-F22B	SFR-F22B	SFR-F22B	SFR-F22D	SFR-F22S12(SPI)
Light Color						
Voltage & Circuit Type	24CC	24CC	24CC	24CC	24CV	24CC
Power/m	8W	6W	9W	12W	12W	12W
Lumen/m (3000K)	/	>210lm	>315lm	>420lm	/	>340lm
Min. Cutting Length (mm)	83.3	55.6	55.6	55.6	83.3	83.3
Max. Run Length (m) (Single-end Feed)	15	20	13	10	10	10

IP Rating	IP68
Connector Type	Dual PVC Injection-moulded Connector (UL676)
End Feed	V
Side Feed	V
Bottom Feed	V
End Cap	V
Applicable to	B/D/S

E-CATALOG

Horizontal Bending (PVC) F22



UL
UL 676 Safety Approved

30m
30m Single Length

5m
5m Depth

Ambient Working Temperature

(1) Above waters

10W–12W	-40–55℃	-40–131℉
7W–9W	-40–60℃	-40–140℉
≤6W	-40–65℃	-40–149℉

(2) Underwaters

6W–12W	-40–35℃	-40–95℉

ANTI
Yellowing

3
SDCM

Ø300mm
Min. Bending

3
3 year
Warranty

Article No.	SFR-F22B	SFR-F22B	SFR-F22B	SFR-F22B	SFR-F22D	SFR-F22S12(SPI)	
Light Color							
Voltage & Circuit Type	24CC	24CC	24CC	24CC	24CV	24CC	24CV
Power/m	8W	6W	9W	12W	12W	12W	10W
Lumen/m (3000K)	/	>200lm	>300lm	>400lm	/	>340lm	/
Min. Cutting Length (mm)	83.3	55.6	55.6	55.6	83.3	83.3	100
Max. Run Length (m) (Single-end Feed)	15	20	13	10	10	10	10

IP Rating	IP68
Connector Type	Dual PVC Injection-moulded Connector (UL676)
End Feed	V
Side Feed	V
Bottom Feed	V
End Cap	V
Applicable to	B/D/S

E-CATALOG

F2010 Vertical Bending (Silicone)

ANTI
Yellowing

3
SDCM

80℃
-40℃
T Ambient Working

Ø300mm
Min. Bending

5 year Warranty



Temperature Class



Run Length



IK10 Protection

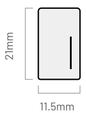


Article No.	mb-F2010B						mb-F2010B						mb-F2010S
Light Color													
Voltage	AC48V	AC36V	AC24V	DC48V	DC36V	DC24V	AC48V	AC36V	AC24V	DC48V	DC36V	DC24V	DC24V
Power/m	12W	12W	12W	12W	12W	12W	10W	10W	10W	10W	10W	10W	10W
Lumen/m (3000K)	>800lm	>800lm	>800lm	>1000lm	>1000lm	>1000lm	/	/	/	/	/	/	/
Min. Cutting Length (mm)	167	125	83	167	125	83	167	125	83	167	125	83	500
Max. Run Length (m) (Single-end Feed)	20	20	20	20	20	20	20	20	20	20	20	20	30

IP Rating	IP67
Connector Type	Silicone Injection-moulded Connector
End Feed	V
Side Feed	
Bottom Feed	
End Cap	V
Applicable to	B/S

E-CATALOG

Horizontal Bending (Silicone) F15



>115℃ OHP
Overheat Protection

Max. 100%
Ambient Relative Humidity

Max. 110℃
Ambient Working Temperature

* 3 years warranty for max. 95℃ and 1 year warranty for max. 110℃

ANTI
Yellowing

3
SDCM

Ø120mm
Min. Bending

Article No.	SFR-F15B	SFR-F15B	SFR-F15D	SFR-F15A	SFR-F15E
Light Color					
Voltage & Circuit Type	24CC	24CC	24CC	24CC	24CC
Power/m	6W	6W	6W	3.6W	5W
Lumen/m (3000K)	/	>210lm	>85lm	>58lm	>40lm
Min. Cutting Length (mm)	125	83.3	83.3	100	100
Max. Run Length (m) (Single-end Feed)	10	10	10	10	10

IP Rating	IP67
Connector Type	Silicone Injection-moulded Connector
End Feed	V
Side Feed	V
Bottom Feed	V
End Cap	V
Applicable to	B/D/A/E

E-CATALOG

ThermGlo™

F22 Vertical Bending (Silicone)

ANTI
Yellowing

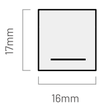
3
SDCM

Ø300mm
Min. Bending

>115℃
OHP
Overheat Protection

Max.
100%
Ambient Relative Humidity

Max.
110℃
Ambient Working Temperature



* 3 years warranty for max. 95℃ and 1 year warranty for max. 110℃.

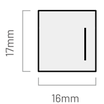
Article No.	SFR-F22B	SFR-F22B	SFR-F22D	SFR-F22A	SFR-F22E
Light Color					
Voltage & Circuit Type	24CC	24CC	24CC	24CC	24CC
Power/m	6W	6W	6W	6W	6W
Lumen/m (3000K)	/	>350lm	>135lm	>250lm	>95lm
Min. Cutting Length (mm)	83.3	55.6	83.3	83.3	83.3
Max. Run Length (m) (Single-end Feed)	10	10	10	10	10

IP Rating	IP67
Connector Type	Silicone Injection-moulded Connector
End Feed	V
Side Feed	V
Bottom Feed	V
End Cap	V
Applicable to	B/D/A/E

E-CATALOG

ThermGlo™

Horizontal Bending (Silicone) F22



>115℃
OHP
Overheat Protection

Max.
100%
Ambient Relative Humidity

Max.
110℃
Ambient Working Temperature

ANTI
Yellowing

3
SDCM

Ø300mm
Min. Bending

* 3 years warranty for max. 95℃ and 1 year warranty for max. 110℃.

Article No.	SFR-F22B	SFR-F22B	SFR-F22D	SFR-F22A	SFR-F22E
Light Color					
Voltage & Circuit Type	24CC	24CC	24CC	24CC	24CC
Power/m	6W	6W	6W	6W	6W
Lumen/m (3000K)	/	>260lm	>135lm	>195lm	>95lm
Min. Cutting Length (mm)	83.3	55.6	83.3	83.3	83.3
Max. Run Length (m) (Single-end Feed)	10	10	10	10	10

IP Rating	IP67
Connector Type	Silicone Injection-moulded Connector
End Feed	V
Side Feed	V
Bottom Feed	V
End Cap	V
Applicable to	B/D/A/E

E-CATALOG

Luxpave85100 Stainless Steel Version

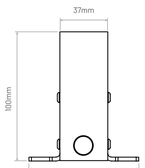
ANTI
Yellowing

3
SDCM

55 ℃
-40 ℃
T Ambient Working

5 year Warranty



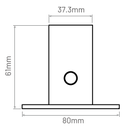


Article No.	Luxpave85100				Luxpave85100	Luxpave85100	Luxpave85100	Luxpave85100-S10(DMX)			Luxpave85100-S12(DMX)
Light Color											
Voltage & Circuit Type	24CV	24CC	24CC	24CC	24CV	24CV	24CV	24CC	24CC	24CC	24CC
Power/m	9W	12W	8W	12W	12W	12W	15W	12W	12W	12W	15W
Lumen/m (3000K)	>340lm	>450lm	/	/	/	/	/	>400lm	/	/	/
Standard Length (mm) (Single-end Feed)	204/504/1004										

IP Rating	IP68
Connector Type	Silicone Injection-moulded Connector
End Feed	V
Side Feed	V
Bottom Feed	V
End Cap	V
Applicable to	B/D/A/E/S

E-CATALOG

Aluminum Alloy Version Luxpave8061





ANTI
Yellowing

3
SDCM

55 ℃
-40 ℃
T Ambient Working

5 year Warranty

Article No.	Luxpave8061				Luxpave8061	Luxpave8061	Luxpave8061	Luxpave8061-S10(DMX)			Luxpave8061-S12(DMX)
Light Color											
Voltage & Circuit Type	24CV	24CC	24CC	24CC	24CV	24CV	24CV	24CC	24CC	24CC	24CC
Power/m	9W	12W	8W	12W	12W	12W	15W	12W	12W	12W	15W
Lumen/m (3000K)	>340lm	>450lm	/	/	/	/	/	>400lm	/	/	/
Standard Length (mm) (Single-end Feed)	204/504/1004										

IP Rating	IP68
Connector Type	Silicone Injection-moulded Connector
End Feed	V
Side Feed	V
Bottom Feed	V
End Cap	V
Applicable to	B/D/A/E/S

E-CATALOG



Facade

FlexGlo™ F2222/F2219/F10/F15/F22

Recommended Products

AI GRAFTED

Facade lighting design can be a maze of complexity. Highlighting the architectural contours and lines of a building requires navigating factors like lumen output, bending direction, waterproofness, energy efficiency, and ease of maintenance.

FlexGlo™ Facade collection solves these challenges with precision. They adapt to varied sizes to perfectly fit any building facade, acting as a tailor-made suit for your structure. Additionally, these lights maximize lumen output and flex in two directions to highlight architectural features with pinpoint accuracy. The silicone housing ensures waterproofness, making them warriors against the elements, standing strong in rain, dust, heat, and UV. The cut-to-length feature is like a custom tailor, ensuring a perfect fit onsite. EPD-verified and ErP versions shine with energy efficiency, while the ease of maintenance ensures long-term reliability.

The collection includes DMX/SPI flex lights, infuse dynamic flair, transforming your facade into a canvas for seasonal and event-driven artistry.







Bridge Tunnel

FlexGlo™ F2219/F2010/F22

Recommended Products









Lighting bridges means meeting some tricky and unusual requirements. Bridges usually span rivers, making it harder to light them continuously and uniformly. Bridges are well known for vibrating a lot and LEDs are sensitive to vibration.

FlexGlo™ F2219 and F2010 flex linear can fit various bridge constructions and run continuously up to 200 meters with one single power feed.

These vibration-protective lights meet the 3G anti-vibration standard.

With high lumen efficacy and over 50,000 hours lifespan, these lights are ideal for large-scale public projects where there is great importance towards environmental care. Combined with numerous color options and dimming, you can create captivating effects and light shows to make the bridge an iconic landmark for the region and attract visitors.

Fountain Swimming Pool

AquaGlo™ F22

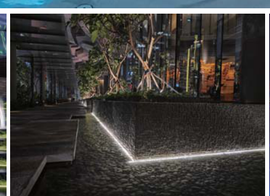
Recommended Products

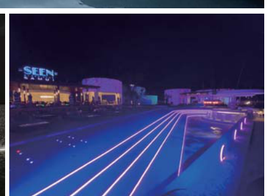
Underwater lighting presents several challenges: ensuring safe voltage operation, withstanding hydraulic pressure, and resisting pool chemicals like chlorine.

AquaGlo™ F22 Pool Lights address these effectively. They are UL676-certified for safe voltage use and can be installed up to 5 meters deep, indicating strong resistance to hydraulic pressure. Additionally, they are built to endure chemicals used in pool disinfection, such as chlorine, preventing breakage or leakage. These lights also enhance pool aesthetics by illuminating various features and offering customizable lighting sequences and colors, ensuring both safety and visual appeal.











Sauna Steam

ThermaGlo™ F15/F22

Recommended Products

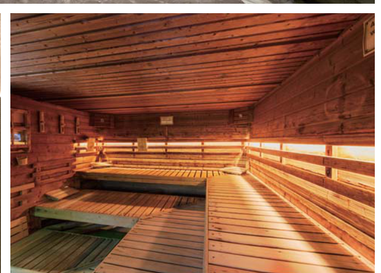
RENDER DESIGN

In the sauna world, lighting faces the heat and humidity head-on, often struggling to maintain both form and function. Traditional bulk lights are the cumbersome giants, disrupting the serene, wooden sanctuary. The challenge lies in ensuring durability, safety, functionality, and aesthetics in this demanding environment.

ThermaGlo™ collection of sauna silicone flex linear lights tackles these challenges head-on. Designed to endure extreme temperatures and humidity, these lights boast excellent heat dissipation and waterproof performance, ensuring both durability and safety. Unlike traditional bulky sauna lights, the 6W LED flex linear lights are slim and low-profile, which blend seamlessly into the openings of the wooden planks. With a range of color options, they not only provide functional lighting but also enhance the mood, creating a truly relaxing heat bathing experience.







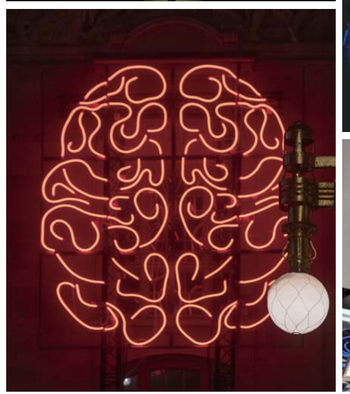


Stage lighting can be tricky. The main challenge is getting the audience to look where you want them to, while also making the stage look amazing and setting the right mood. You need to draw their eyes to key spots, create the perfect atmosphere, and use lighting effects to make scenes truly pop.

That's where FlexGlo™ F21 comes in. It's designed to tackle these issues head-on. For starters, it can spotlight different areas of the stage, so you can easily guide the audience's attention exactly where you want it. Plus, it offers a range of options, from full black to vibrant colors, ensuring the light blends perfectly with the stage, even when it's dark. And, with its dimming features and brilliant color choices, you can create just the right mood to evoke the desired emotions from your audience.

Not only does it help you focus attention, but it also enhances the production's look and feel, making your scenes more engaging and impactful.











In-ground

Luxpave™ IG-85100/IG-8069

Recommended Products

Inground lights must be exceptionally sturdy to withstand frequent high heel pressure, trampling, and vehicle pressure. They need to be fully weatherproof to endure rain, water immersion, sun exposure, and dust. This ensures they remain functional and safe in outdoor environments, providing reliable illumination despite the harsh conditions they face daily.

Luxpave™ LED linear effectively addresses various demanding conditions. Its 316L stainless steel housing ensures robustness against frequent high heel pressure, trampling, and vehicle pressure. The high-corrosion and high-temperature resistance enhance durability. Weatherproofing capabilities provide protection against rain, water immersion, and dust. The detachable silicone cover facilitates easy cleaning and troubleshooting, and the replaceable internal LED light strip ensures long-term functionality without altering the original setup. Seamless joining delivers continuous illumination, eliminating dark areas for consistent lighting performance.







Hazardous Areas

SafeGlo™ F2010

Recommended Products

In hazardous areas, safety is paramount. These environments struggle with eliminating dark spots, often relying on bulky lights that are cumbersome. The need for portable, lightweight lighting is crucial, especially in confined spaces where flexibility is a must. Additionally, lighting must meet stringent industry standards and regulatory requirements to ensure worker safety. Addressing these challenges is essential for maintaining a secure and efficient workspace in such high-risk settings.

Ensuring a safe environment for workers, SafeGlo™ F2010 Explosion-Proof LED Flex Linear adheres to industry standards and regulatory requirements. It eliminates dark spots and reduces bulky lighting fixtures. Its portable, lightweight design provides flexibility in confined areas. ETL, ATEX, and IECEx-certified, Safeglo™ adapts to any environment, especially where traditional lights are hard to reach. With RGA light colors for safety signals, it's ideal for aerospace, hydrogen stations, oil tanks, laboratories, offshore oil rigs, distilleries and breweries, agriculture and farming, and more.

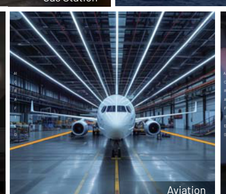

Gas Station

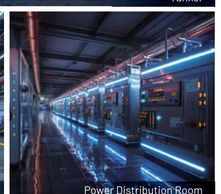


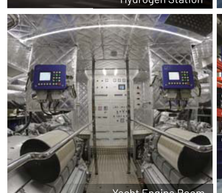
Tanker

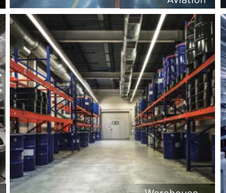


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