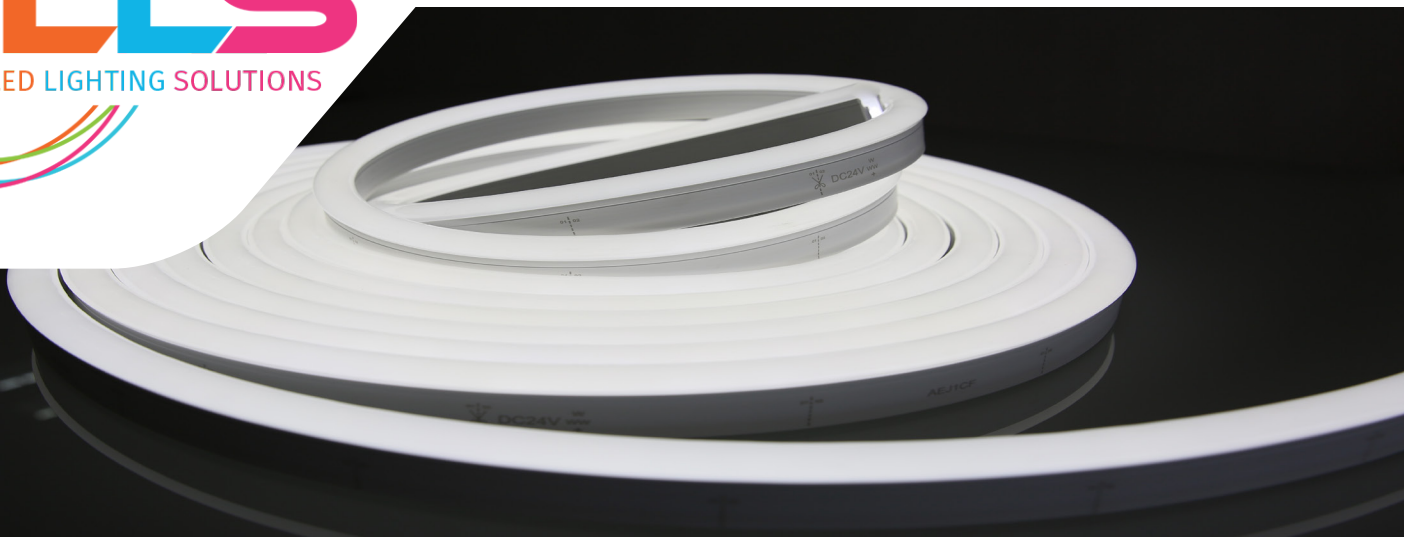




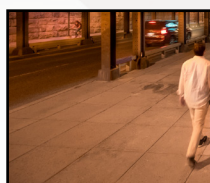
Version 1.3

VIVID S 270 DYNAMIC WHITE SILICONE 24V



For More Information

Toll Free: 1 (888) 580-6366



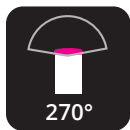
Light Dimension	0.45 x 1.14in (11.5x29mm)
Output	W/WW (25K-50K)
LED Light	SMD LED Chip
Continuous Length	
Single Feed	Full Load: 49.21ft (15m) Dynamic Load: 98.43ft (30m)
Double Feed	Full Load: 98.43ft (30m) Dynamic Load: 196.8ft (60m)
Light Surface	Round profile 270°
Lumen Maintenance	70,000 Hours L70 @ 25°C : 90,000 L50 @ 25°C 50,000 Hours L70 @ 50°C : 70,000 Hours L50 @ 50°C
Electrical	
Input Voltage	24V DC
Power Consumption	3.66W/ft (12W/m)
Physical	
LED Count	43 LEDs / ft (144 LEDs/m)
LED Spacing	0.55in (13.89mm)
Cutting Unit Length	3.28in (83.3mm) (12 LEDs)
Thermal Management	Free air convection
Fixture Connections	End, side & bottom lead wires
Minimum Bend Diameter	4.72in (120mm) (Side Bending)
Temperature Ranges	
Installation	-40°F to 122°F (-40°C to 50°C)
Operating	-40°F to 131°F (-40°C to 55°C)
Humidity	0-95% non condensing
Dependability	
Warranty	10 Year Limited Warranty
Safety	
Certification	Tested to UL & CSA by Underwriters Laboratory for use in USA and Canada, complies with California Title 24 Requirements, Lighting Facts. Exceeds ANSI C78.377A, CE & RoHS Compliant.
IP Rating	IP68 with appropriately rated accessories

Available Colors

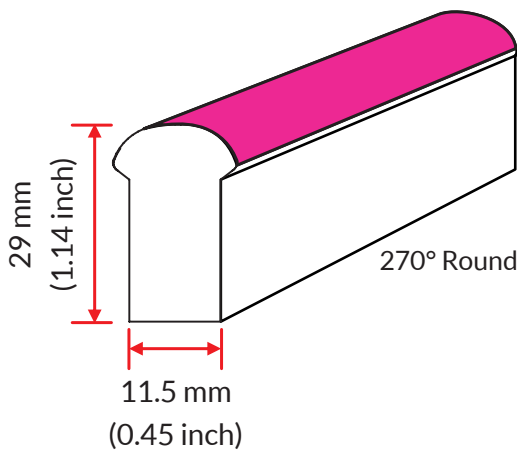
Color	CCT Wavelength
2500K	2460 ± 120K
5000K	5029 ± 283K
WW + W	3465 ± 245K

Lumen Count

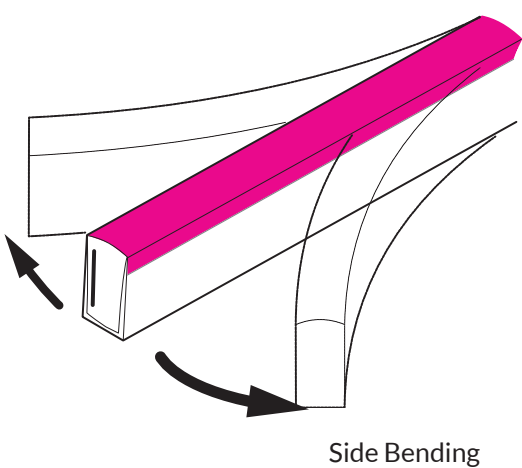
Color	Per Foot	Per Meter	Power/m
2500K	>40lm	>130lm	/
5000K	>40lm	>130lm	/
WW + W	>80lm	>260lm	12W

								
Beam Angle	Bending Diameter	Flame Resistant	UV Resistant	Solvents Resistant	Saltwater Resistant	IP68 Protection	IK08 Protection	10 Year Warranty

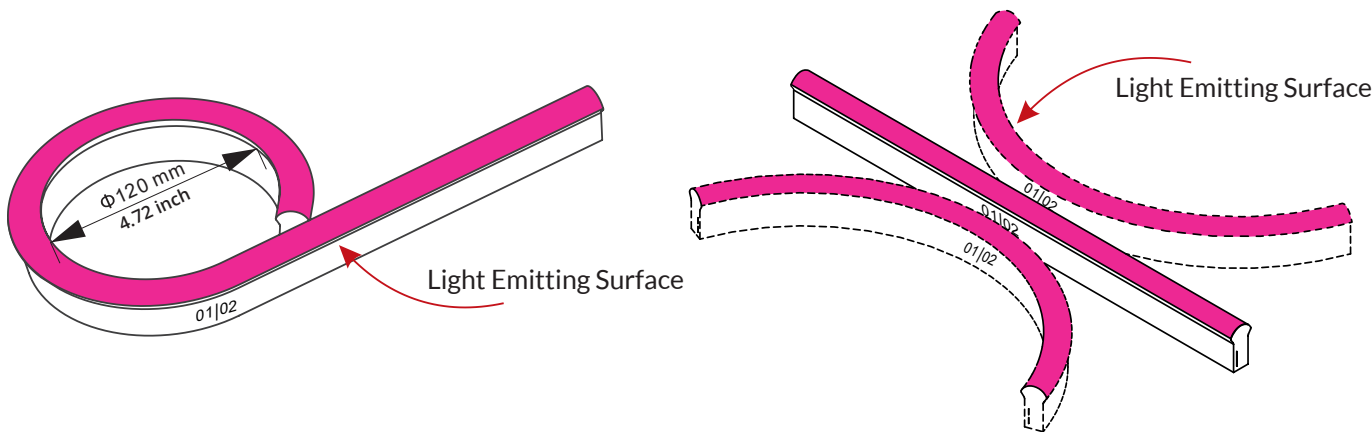
Light Profile



Bending Direction



Minimum Bending Diameter



Fixtures

SF-11D-1- 01-3W-E-DWH-24DV

Lead Connector

FA-11D-1-01-3W-XX-X-XX-XXX-S

Length (3 digits)

Exit Type (2 Digits)

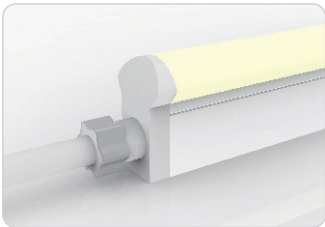
For Fixture End (1 Digit)

Connector Type (2 Digits)

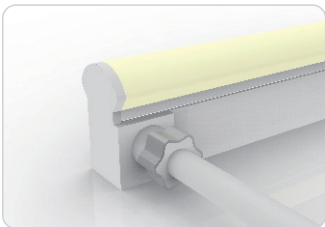
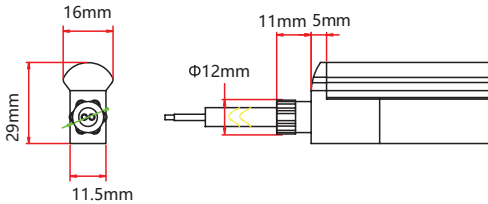
Connector Type (2 Digits)	For Fixture End (1 digit)	Exit Type (2 digits)	Length (3 digits)
SC - Snap Conenctor	1 - Input side	EN - End	0M3 - 0.98ft (30cm)
SE - Seamless	2 - Output side	BO - Bottom	01M - 3.28ft (1m)
0 - Jumpers/T-Feeds/ Seamless (or Submersible) Bottom/ Seamless (or Sub- mersible) End		SL - Side left	03M - 9.84ft (3m)
		SR - Side right	05M - 16ft (5m)
		EJ - End jumper	10M - 32.81ft (10m)
		BJ - Bottom jumper	000 - For End Cap
		TF - Power T feed	

For full part number naming rules, please refer to the document on www.glls.com/support/documentation/

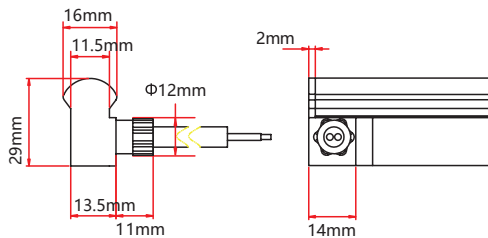
Seamless



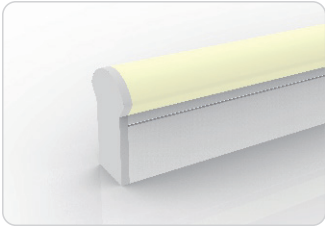
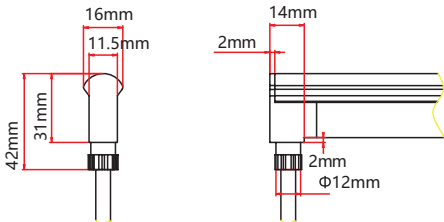
Seamless End Exit
FA-11D-1-01-3W-SE-0-EN-XXX-S



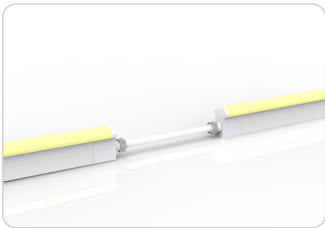
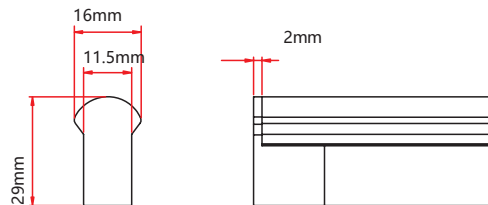
Seamless Side Exit
FA-11D-1-01-3W-SE-1-SR-XXX-S
FA-11D-1-01-3W-SE-2-SL-XXX-S



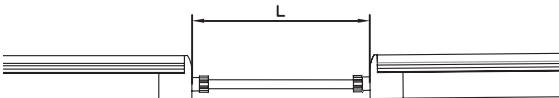
Seamless Bottom Exit
FA-11D-1-01-3W-SE-0-BO-XXX-S



Seamless End Cap
FA-11D-1-01-0W-SE-1-EC-000-P
FA-11D-1-01-0W-SE-2-EC-000-P

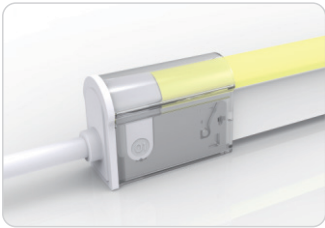


Seamless Jumper
FA-11D-1-01-3W-SE-0-EJ-XXX-S



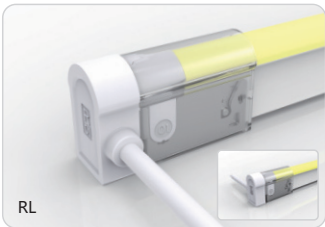
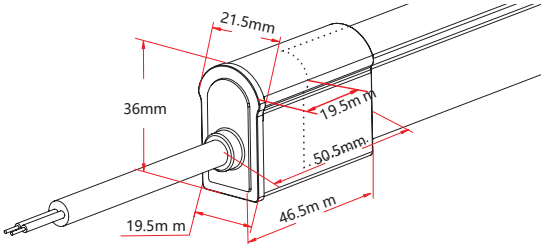
IP67: Rated for outdoor use.
Factory Assembly or DIY.

Snap



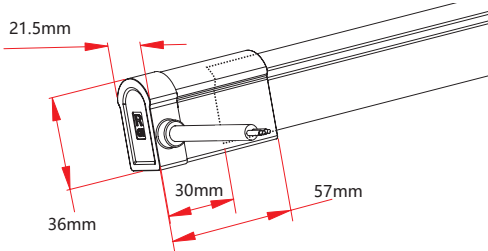
Snap End Exit

- NA-11D-1-01-3W-SC-1-EN-XXX-S
- NA-11D-1-01-3W-SC-2-EN-XXX-S



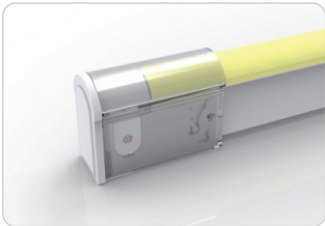
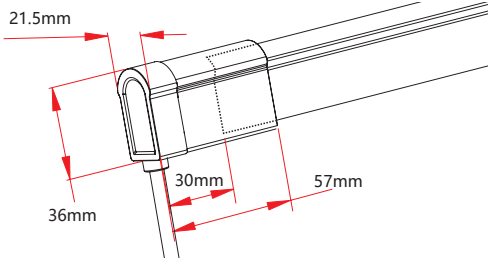
Snap Side Exit

- NA-11D-1-01-3W-SC-1-SL-XXX-S
- NA-11D-1-01-3W-SC-2-SL-XXX-S
- NA-11D-1-01-3W-SC-1-SR-XXX-S
- NA-11D-1-01-3W-SC-2-SR-XXX-S



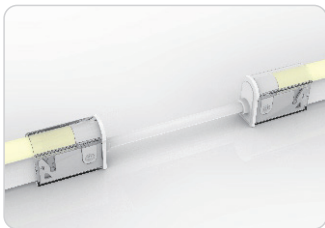
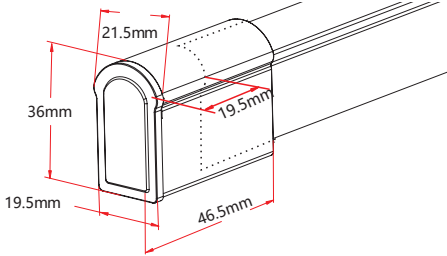
Snap Bottom Exit

- NA-11D-1-01-3W-SC-1-BO-XXX-S
- NA-11D-1-01-3W-SC-2-BO-XXX-S



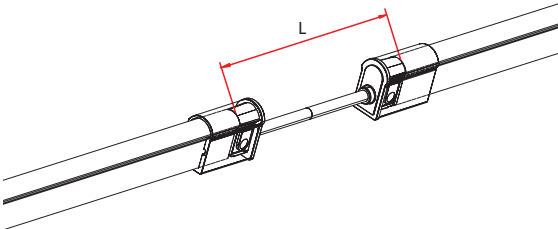
Snap End Cap

- NA-11D-1-01-0W-SC-1-EC-000-P
- NA-11D-1-01-0W-SC-2-EC-000-P



Snap Jumper

- NA-11D-1-01-3W-SC-0-EJ-XXX-S

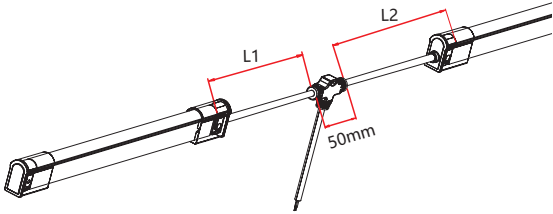


IP67: Rated for outdoor use.
Factory Assembly or DIY.

Snap



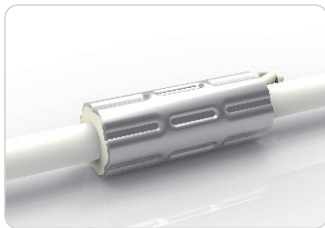
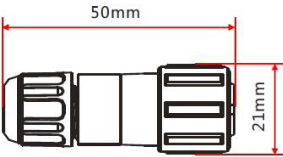
Snap Power T Feed
NA-11D-1-01-3W-SC-0-TF-XXX-S



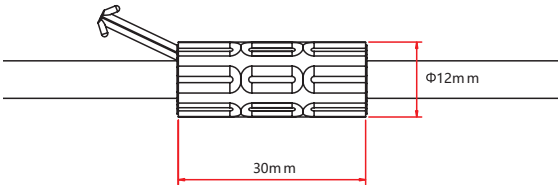
Barrel Connectors



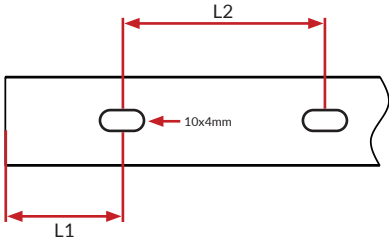
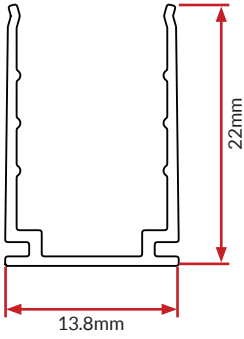
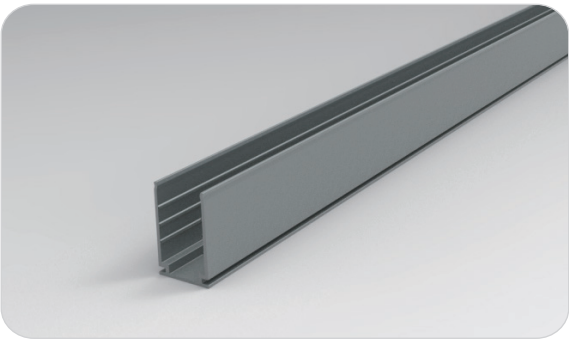
Barrel Connectors
NA-XX-BC-DC-CXX-F
NA-XX-BC-DC-CXX-M
NA-XX-BN-XXA-CXX-F
NA-XX-BN-XXA-CXX-M
NA-XX-PL-XXA-CXX-F
NA-XX-PL-XXA-CXX-M



Anti-Wicking Ferrule

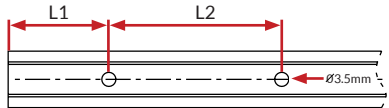
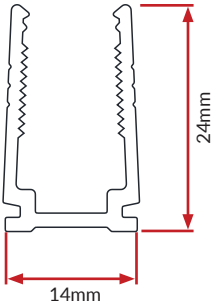


Standard Anodized Aluminum Channel



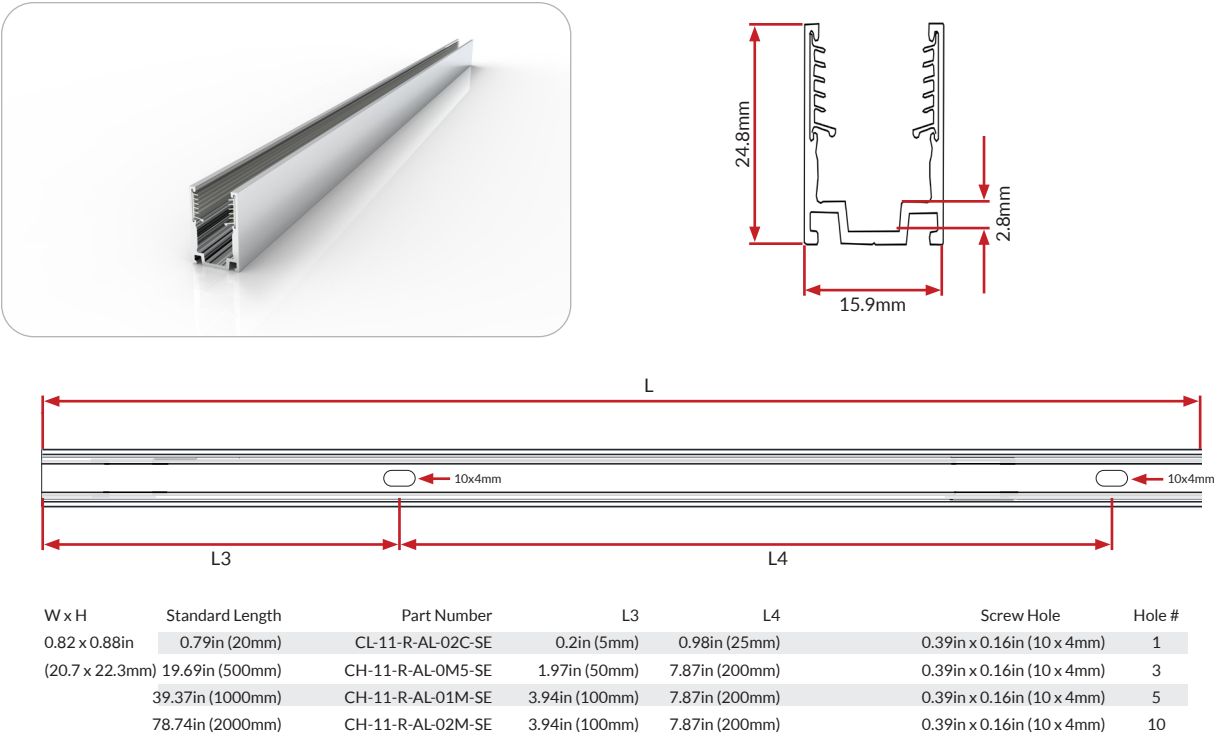
W x H	Standard Length	Part Number	L1		L2	Screw Hole	Hole #
0.54 x 0.87in (13.8 x 22mm)	1.38in (35mm)	CL-11-R-AL-3C5-SD	0.69in (17.5mm)		/	0.39x0.16in(10x4mm)	1
	19.69in (500mm)	CH-11-R-AL-0M5-SD	1.97in (50mm)	7.87in (200mm)		0.39x0.16in(10x4mm)	3
	39.37in (1000mm)	CH-11-R-AL-01M-SD	3.94in (100mm)	7.87in (200mm)		0.39x0.16in(10x4mm)	5
	78.74in (2000mm)	CH-11-R-AL-02M-SD	3.94in (100mm)	7.87in (200mm)		0.39x0.16in(10x4mm)	10

Plastic Channel

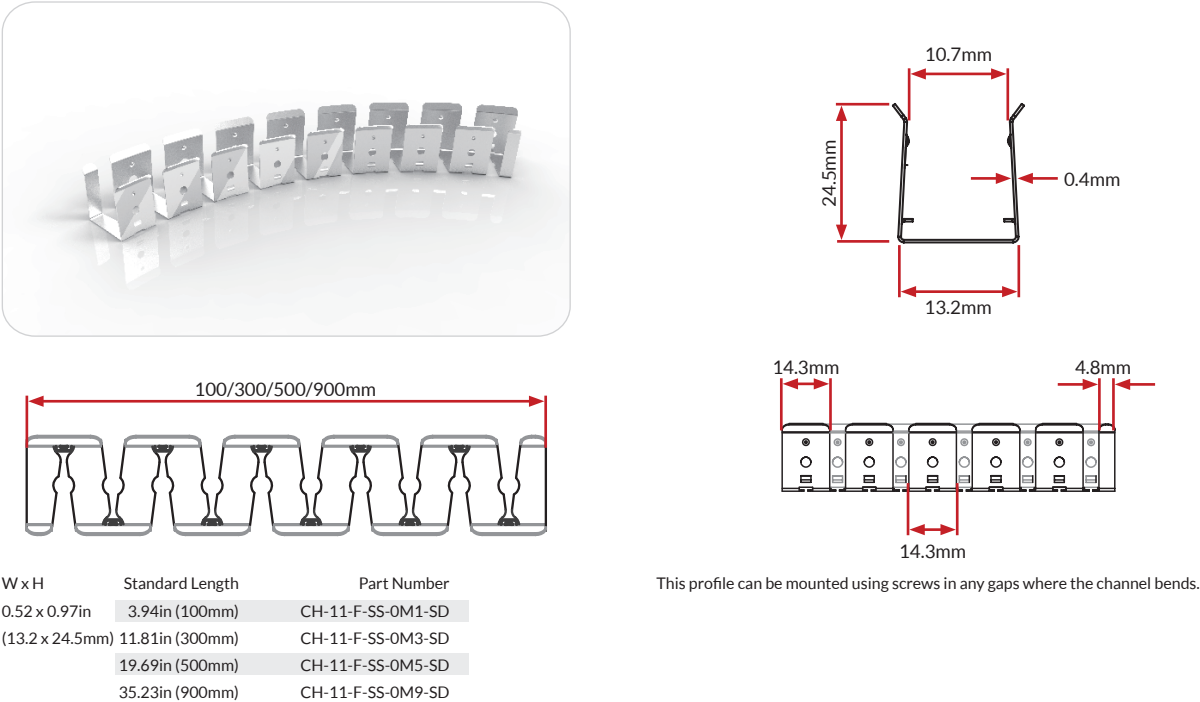


W x H	Standard Length	Part Number	L1		L2	Screw Hole	Hole #
0.55 x 0.94in (14 x 24mm)	19.69in (500mm)	CH-11-R-PL-0M5-SD	1.97in (50mm)	7.87in (200mm)		Ø 0.14in (3.5mm)	3
	39.37in (1000mm)	CH-11-R-PL-01M-SD	3.94in (100mm)	7.87in (200mm)		Ø 0.14in (3.5mm)	5
	78.74in (2000mm)	CH-11-R-PL-02M-SD	3.94in (100mm)	7.87in (200mm)		Ø 0.14in (3.5mm)	10

Standard Aluminum Channel with Silicone Grip



Stainless Steel Flexible Channel



Certifications

	Testing Organization	Certificate Serial N°	Report Reference
UL 2108	UL	20160726-E360029	E360029-2013
CE-EMC	SGS	SZEM1702001259LMV	SZEM160600421302

Fixture Testing

Optical Testing

Spectrum Analysis	IES LM 79 (Lumen, CCT, CRI, XY, SDCM, wavelength)
Photometric Distribution	IES LM 73 (Lumen intensity distribution & Lux diagram)
Lumen Maintenance & Lifetime	IES LM 84 & IES TM28

Temperature Testing

Normal Temperature Test	UL1598 & UL2388 & IEC60598-1 & IEC60598-2-21
Abnormal Operation Test	UL1598 & UL2388 & IEC60598-1 & IEC60598-2-21

Durability Testing

Bending Test	Manufacturer-defined, 500 cycles
Swing Test	UL2388, >750 cycles
Tensile Test	Manufacturer-defined, > the weight of light in max. connection length double feed
Twist Test	Max connection length double feed Manufacturer-defined, >200 cycles
Ball Impact	UL1598 & UL2388 & IEC60598-1 & IEC60598-2-21
IK07 IK08	IEC62262

Environmental Testing

Chlorinated Water Immersion	BG9667, PH6.8-7.6, free chlorine 0.3-0.6mg/L
Salt Water Immersion	IEC60598-1, Salinity 4%
Salt Spray Test	IEC68-2-11
Outdoor Exposure	Manufacturer-defined
Flame Resistance	UL94
UV Exposure	ASTMG 154, ISO 4892-3, UVA @ 340nm
IPX5, IPX6, IPX7, IPX8	IEC60529
Temperature Shock	Manufacturer-defined, -40°C - 60°C (typical temperature range)
Constant Temperature	Manufacturer-defined

Charts

ANSI STANDARD

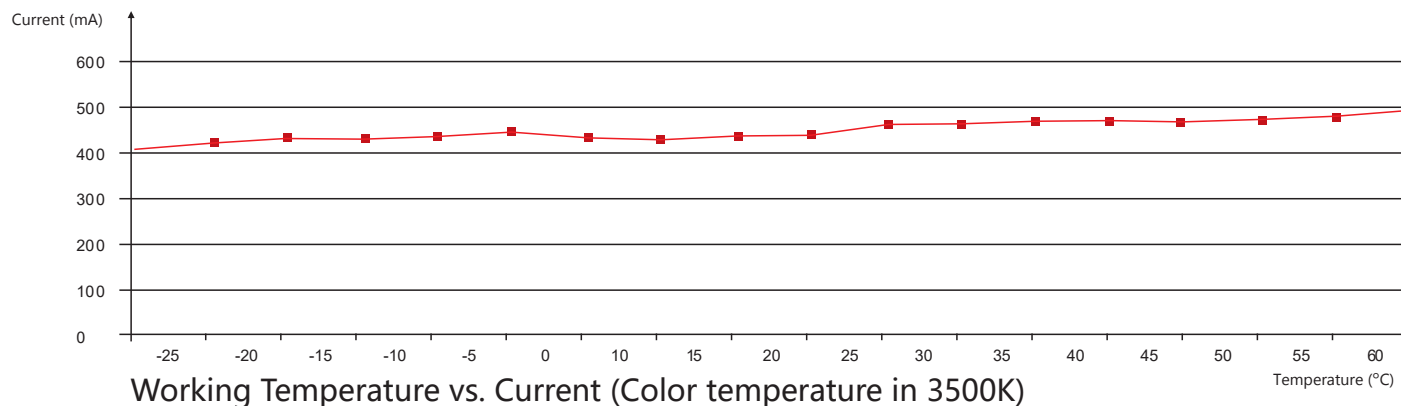
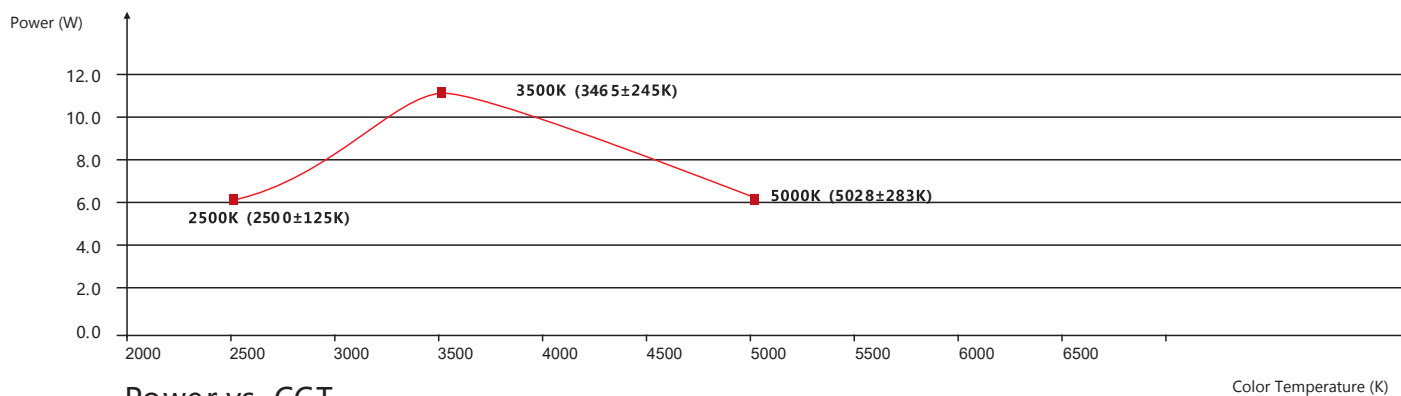
Nominal CCT Categories

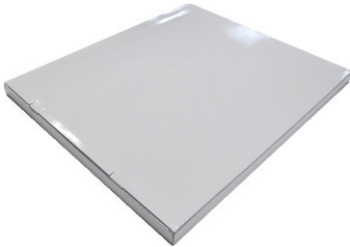
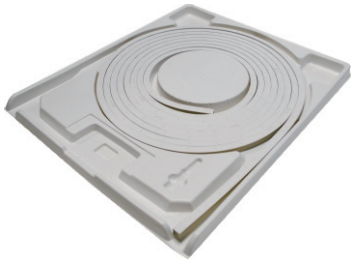
Nominal CCT	Target CCT and tolerance(K)	Target D_{uv}	D_{uv} Tolerance Range
2200K	2238 ±102	0.0000	Tx:CCT of the source
2500K	2460 ±120	0.0000	For $T_x < 2870K$
2700K	2725 ±145	0.0000	0.000 ± 0.0060
3000K	3045 ±175	0.0001	For $T_x \geq 2870K$
3500K	3465 ±245	0.0005	$D_{uv}(Tx) \pm 0.0060$
4000K	3985 ±275	0.0010	where
4500K	4503 ±243	0.0015	$D_{uv}(Tx) = 57700 \times (1/T_x)^2$
5000K	5029 ±283	0.0020	$-44.6 \times (1/T_x)$
5700K	5667 ±355	0.0025	$+0.00854$
6500K	6532 ±510	0.0031	

Flexible CCT (2200-6500K)	$T_F^{(1)} \pm \Delta T^{(2)}$	$D_{uv} T_F^{(3)}$
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Remark:

- 1) T_F is chosen to be at 100K steps (2300,2400,.....,6400K),excluding the ten nominal CCTs listed in Table 1.
- 2) $\Delta T = 1.1900 \times 10^5 \times T^3 - 1.5434 \times 10^4 \times T^2 + 0.7168 \times T - 902.55$
- 3) Same as in the D_{uv} Tolerance Range.





White Box

Packing Box

Fixture Length	White Box Dimensions		Packing Box Dimensions	# Of White Boxes	Package Weight
196.85in (5m)	15.35x2.05x19.67in (39x5.2x50cm)	20.47x15.34x11.02in (52x41x28cm)		5	30.86lbs (14kg)
393.7in (10m)	20.08x2.05x24.41in (51x5.2x62cm)	25.2x20.87x11.02in (64x53x28cm)		5	57.32lbs (26kg)
393.7in (10m)	20.08x2.05x24.41in (51x5.2x62cm)	25.2x20.87x6.9in (64x53x17.5cm)		3	35.27lbs (16kg)
787.4in (20m)	26.77x2.05x31.1in (68x5.2x79cm)	31.9x27.56x4.92in (81x70x12.5cm)		2	48.5lbs (22kg)