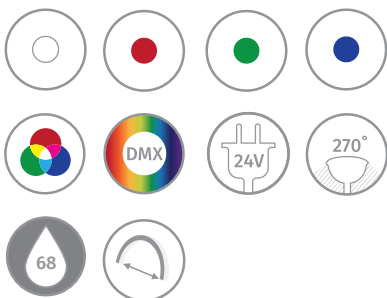


Date:	
Type:	
Firm Name:	
Project:	

EVERNEON

Elite Series

Everylite Datasheet Ver 4.0
Revision Date 01/2025

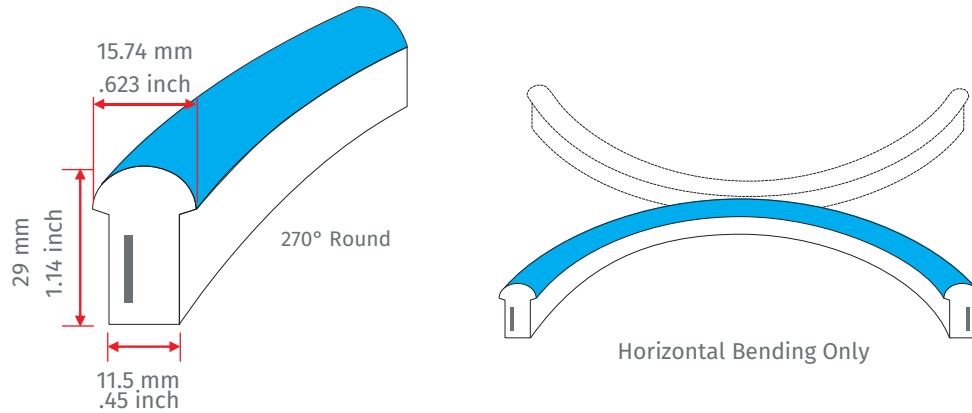


EverNeon Elite Series Specification

Item #	Wave Length	LED Color	Surface Color	Min Cutting Length	Luminous Flux/Ft	Power Consumption	Working Voltage	IP Rating	Min. Bend Diameter	LED QTY/M	Max. Single Power Feed	Max. Double Power Feed
EN-ELT-W3-SH-24	3000K	White	White	3.28"	143lm/ft	4W/ft	24 VDC	IP68	4.72"	72	30'	60'
EN-ELT-W4-SH-24	4000K	White	White	3.28"	143lm/ft	4W/ft	24 VDC	IP68	4.72"	72	30'	60'
EN-ELT-W6-SH-24	5700K	White	White	3.28"	143lm/ft	4W/ft	24 VDC	IP68	4.72"	72	30'	60'
EN-ELT-RR-SH-24	630nm	Red	Red	4.92"	27lm/ft	3W/ft	24 VDC	IP68	4.72"	72	30'	60'
EN-ELT-GG-SH-24	530nm	Green	Green	3.28"	76lm/ft	4W/ft	24 VDC	IP68	4.72"	72	30'	60'
EN-ELT-BB-SH-24	475nm	Blue	Blue	3.28"	18lm/ft	4W/ft	24 VDC	IP68	4.72"	72	30'	60'
EN-ELT-FX-SH-24	-	RGB	White	3.94"	-	4W/ft	24 VDC	IP68	4.72"	60	30'	60'
EN-ELT-FW-SH-24	-	RGBW	White	3.94"	-	4.6 W/ft	24 VDC	IP68	4.72"	60	25'	50'
EN-ELT-FWD-SH-24	-	DMX RGBW	White	6.56"	-	4.6 W/ft	24 VDC	IP68	4.72"	60	25'	50'

Note: It is recommended to limit to single feed length for easier installation.

Drawing



Testing

	Testing Organization	Certificate Serial N°	Report Reference
UL 2108	UL	20160726-E360029	E360029-2013
CE-EMC	SGS	SZEM1712012372LMV	SZEM171201237201

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 LM84 & IES TM28

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

Temperature Testing

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

Environmental Testing

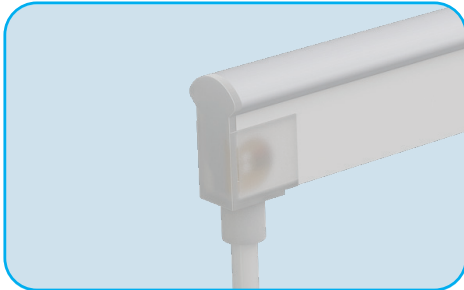
Chlorinated Water Immersion	BG9667, PH6.8-7.6, free chlorine 0.3-0.6mg/L
Salt Water Immersion	IEC60598-1, Salinity 4%
Salt Spray Test	IEC68-2-11
Outdoor Exposure	Manufacturer-defined
Flame Resistance	UL94
UV Exposure	ASTMG 154, ISO 4892-3, UVA@340nm
IPX5 IPX6 IPX7 IPX8	IEC60529
Temperature Shock	Manufacturer-defined,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

Accessories

Single injection mold (IP68)

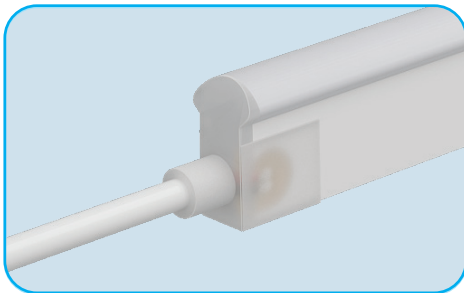
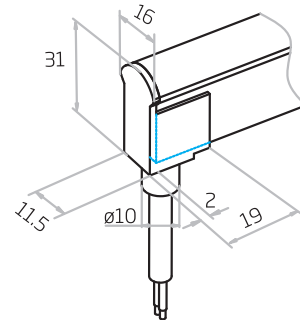
Dimensions: mm

Front connector



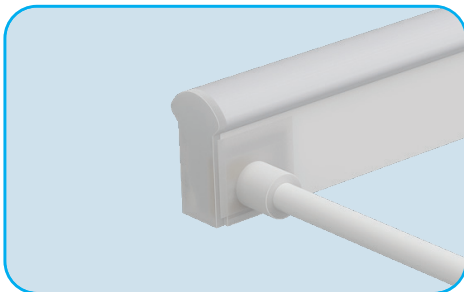
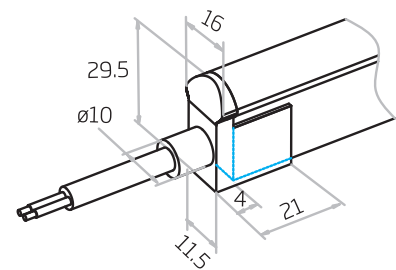
Bottom feed

EN-FC-SI-XB



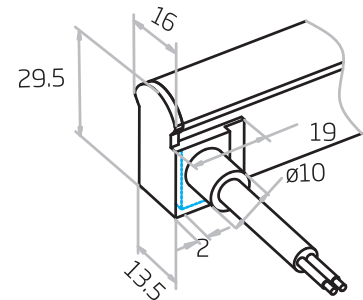
Front feed

EN-FC-SI-XF

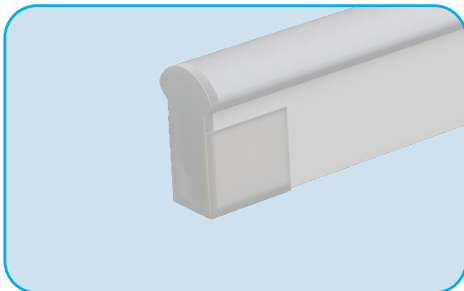


Side feed

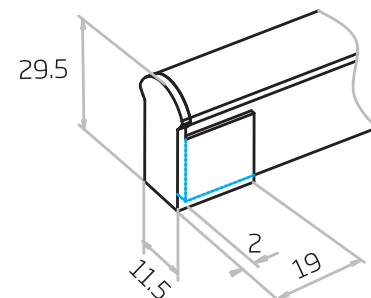
EN-FC-SI-XS



End Cap



EN-EC-SI

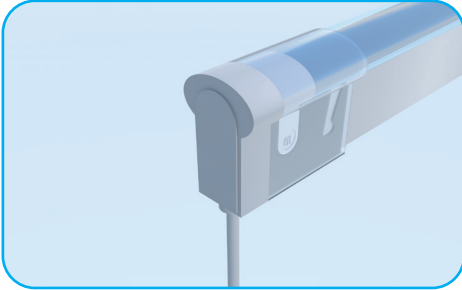


Accessories

Snap Connector (IP65)

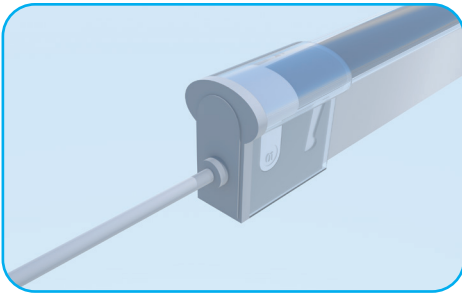
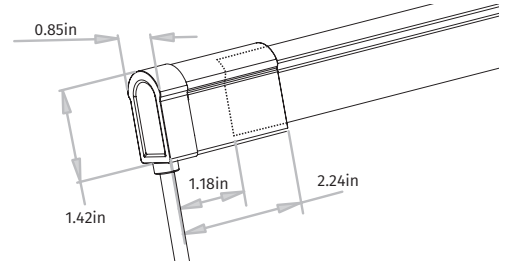
Front connector

Dimensions: inches



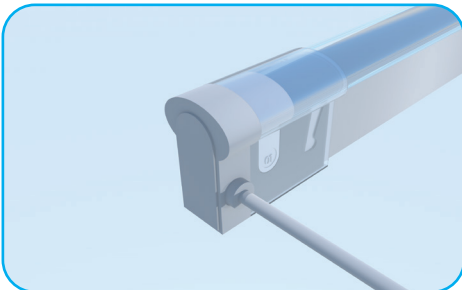
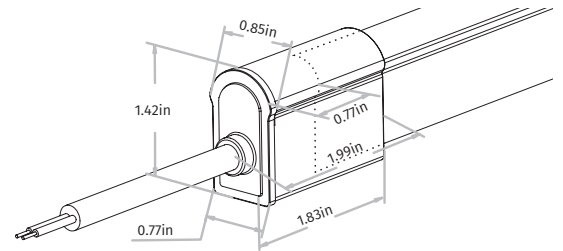
Bottom feed

EN-ELT-FCXX-SN-XB



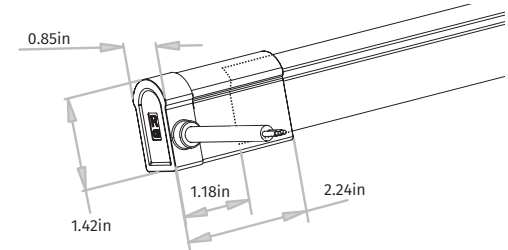
Front feed

EN-ELT-FCXX-SN-XF

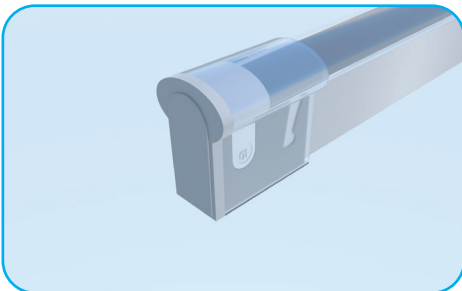


Side feed

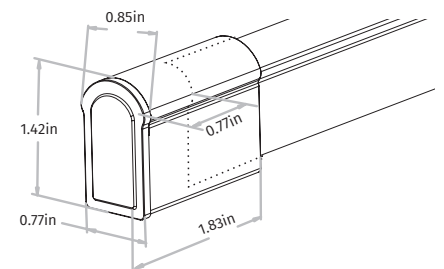
EN-ELT-FCXX-SN-XS



End Cap

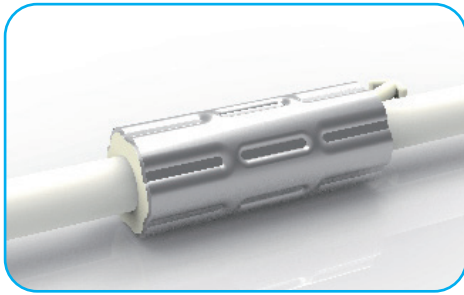


EN-ELT-ECXX-X



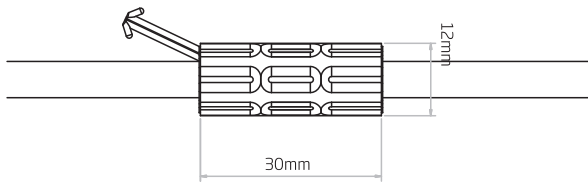
Note: Snap connector is not an option for RGBW or DMX versions of Everneon.

Accessories

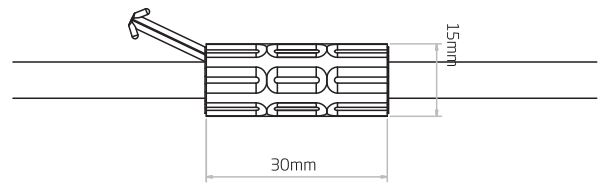


Waterproof ring

This specially engineered waterproofing ring come standard mounted on the power leads to prevent water-intrusion through the cable.



Single Color



RGB

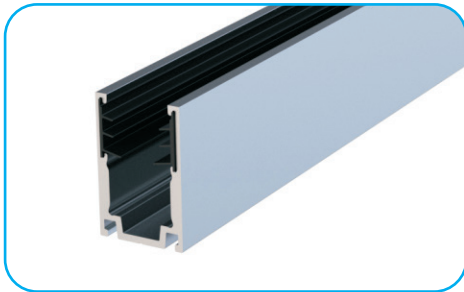


RGBW



DMX

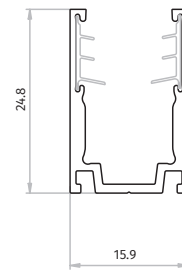
Dimensions: mm



Locking u-channel

The locking version of the standard mounting track brings peace of mind to installations where having a secure fit was a concern.

Comes in 1 inch and 40 inch length



Tolerance: $\pm 0.3\text{mm}$

