FLEX120

28

Project: _____ TYPE: _____

Flex120 is a low-profile, exterior-rated linear LED strip available in multiple color temperatures offering up to 180 max runs for custom interior and exterior applications. Its high lumen output and low profile width and depth make Flex120 ideal for multiple applications.

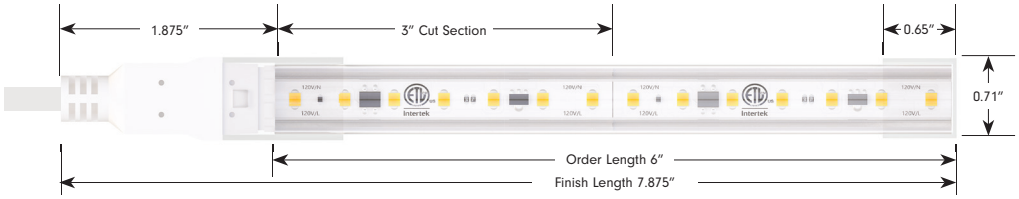
- Available in multiple CCTs
- Line Voltage 100V–120V AC
- Long maximum runs up to 180'
- Long-life LEDs – 60,000 hours of use
- UV stabilized PVC housing for exterior use (no yellowing or cracking)
- IP65 rated
- 5 Year warranty

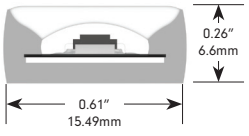
Order Guide

Note: Please specify lit lengths in 3" increments. Power lead or jumpers are factory prep only, and need to be Include at time of submittal. Overall length will incress with end preps. See below for dimension information.

PRODUCT CODE		LED QTY		LED COLOR		VOLTAGE
FLX120	-	28	-		-	120
FLX120 = FLEX120		28 =28		24 = 2400K 27 = 2700K 30 = 3000K 35 = 3500K 40 = 4000K 50 = 5000K		120 = 120V AC

Dimensions



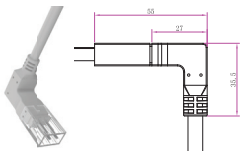


Specifications

Output						
Kelvin Temperature	2400K	2700K	3000K	3500K	4000K	5000K
Lumens/ft	390	430	460	480	500	500
Efficacy (Lm/W)	65	72	77	80	83	83
LEDs/ft	28					
Beam Angle	130°					
CRI	90+					
Listed Power W/ft.	6					
Max Run	180'					

Electrical	
Input Voltage	110V - 120V
Dimming	TRIAC, ELV
Physical	
Dimensions	0.61" W x 0.26" H
Operating Temperature	-4°F (-20°C) ~ +107°F (+41.7°C)
Storage Temperature	-4°F (-20°C) ~ +140°F (+60°C)
Maximum Roll Size	100'
Maximum Electrical Run	180'
Section	3"
Certification and Testing	
Certification	cETLus, RoHS
IP Rating	IP65
L70 Rated Life/hrs.	60,000
Environment	Outdoor
Warranty	5 years

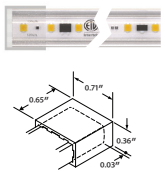
Power-Lead, Jumpers & End-Prep



FLX120-LEAD-B
Factory attached 10' bare wire bottom power lead

FLX120-LEAD-C
Factory attached 10' bare wire standard power lead

FLX120-JUMPER-XX
XX = **06** (6"), **12** (12")
Factory attached jumper to connect two Flex120 runs

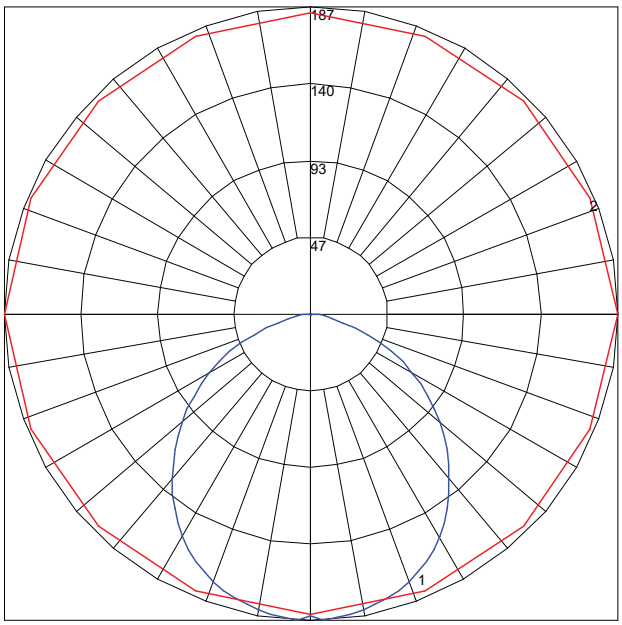


FLX120-EC
Factory attached end cap
Note: Flex120 channel 01 and 02 will not accommodate the end cap within the channel.

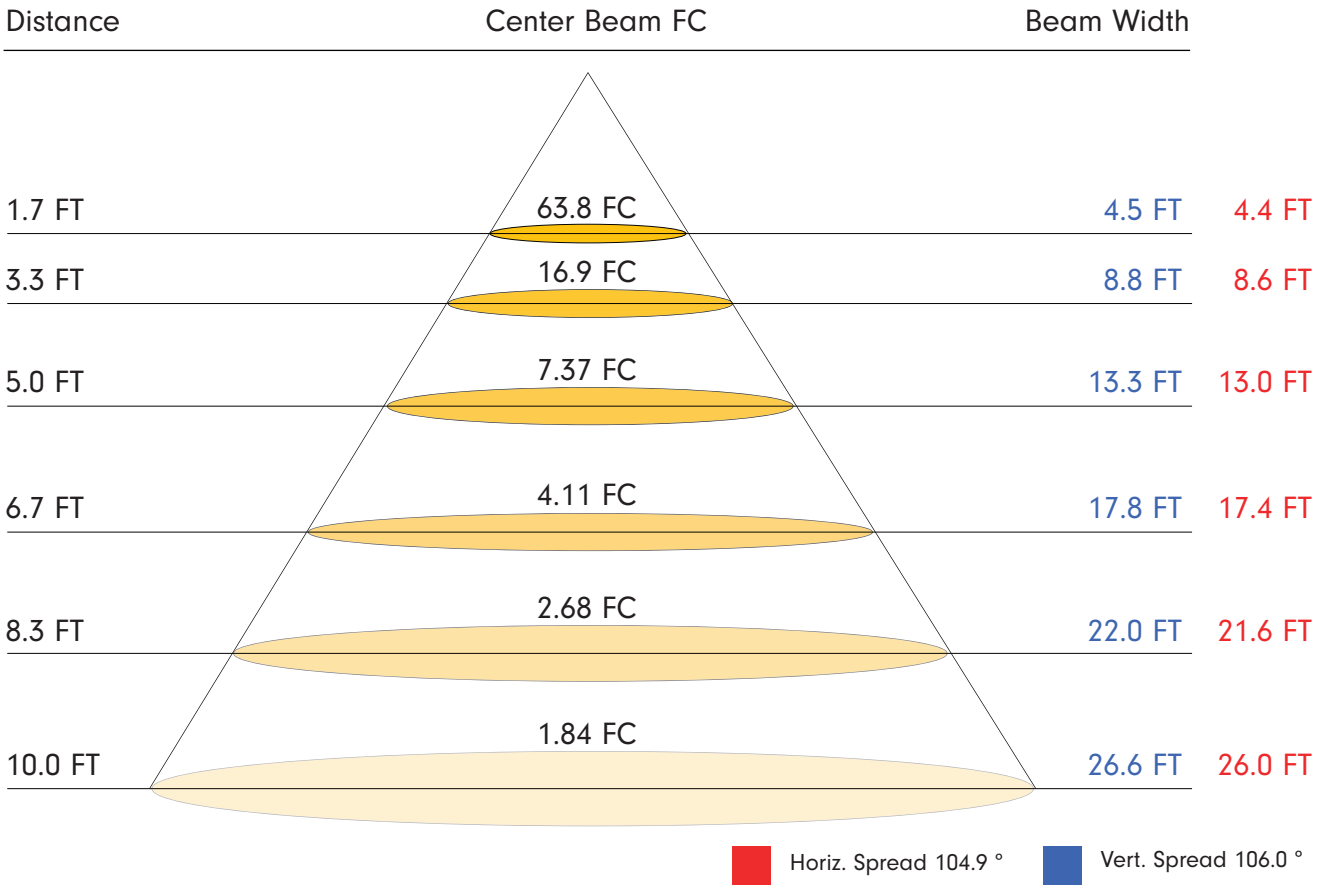
FLX120-L-CONN
L connector for 90 degree bend application

FLX120-JOINR
Clear joiner for connection of two strips with no light interuption

Photometrics

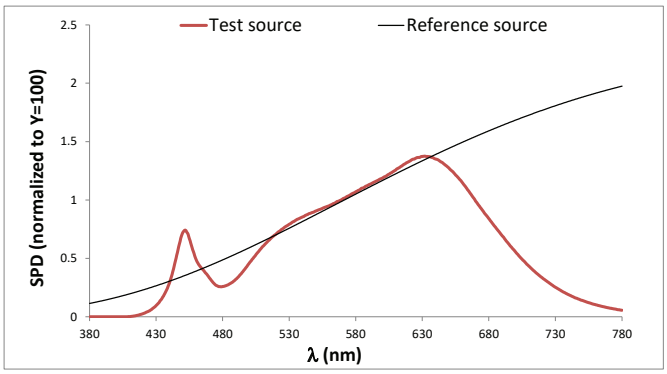


Maximum Candela = 186.9 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

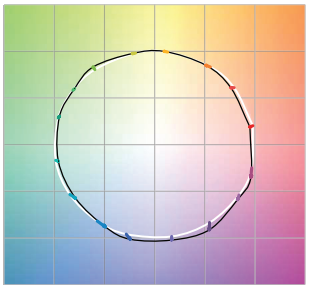


TM-30

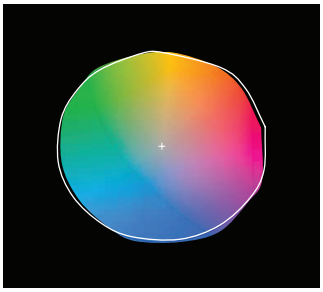
R_f	R_g	CCT (K)	D_{uv}	u'	v'
91	101	3014	0.0006	0.2499	0.5219

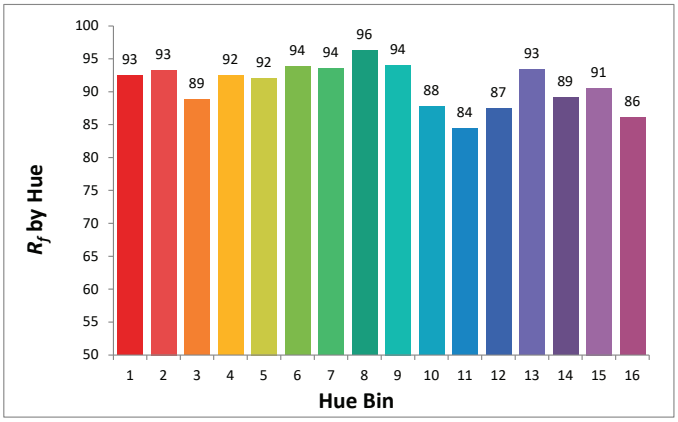


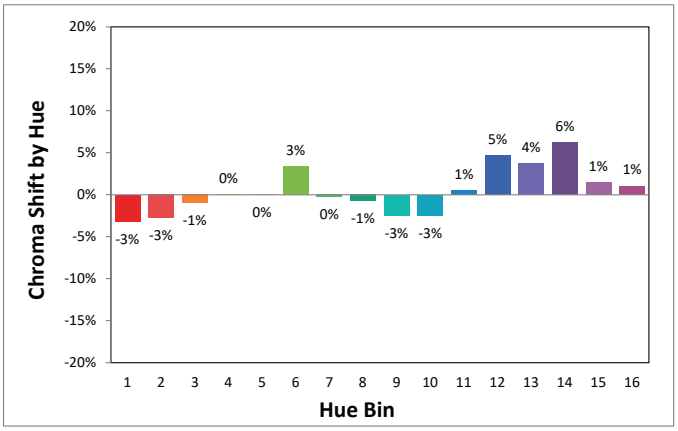
Color Vector Graphic



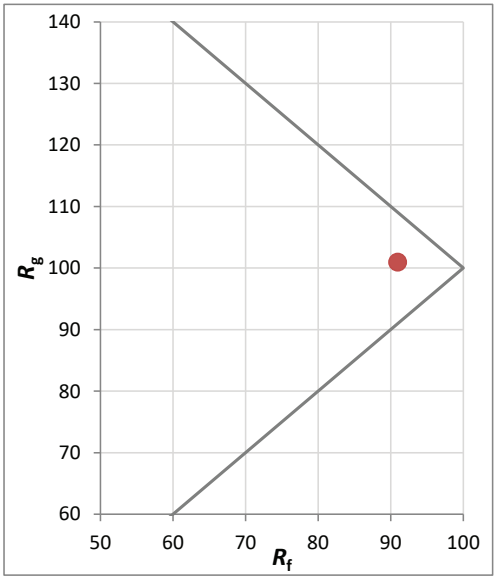
Color Distortion Graphic







		Graphic Shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	93	-3%	-1%
2	93	-3%	2%
3	89	-1%	5%
4	92	0%	4%
5	92	0%	3%
6	94	3%	0%
7	94	0%	-2%
8	96	-1%	-2%
9	94	-3%	1%
10	88	-3%	7%
11	84	1%	10%
12	87	5%	5%
13	93	4%	-1%
14	89	6%	-5%
15	91	1%	-5%
16	86	1%	-10%



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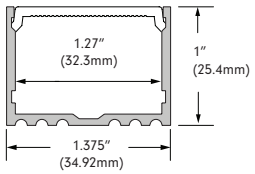
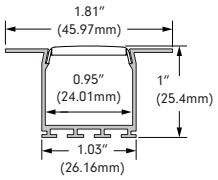
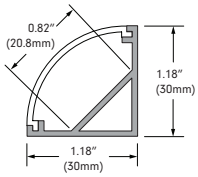
Compatible Extrusions



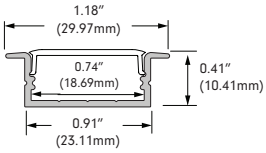
ALTN-CHAN-SLV-6.5
Anodized Aluminum Extrusion, available in 6.5′ lengths



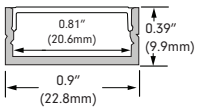
NOYS-CHAN-SLV-6.5
Anodized Aluminum Extrusion, available in 6.5′ lengths



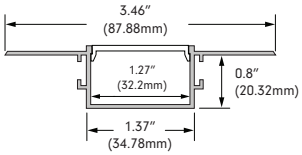
FRE-CHAN-SLV-6.5
Anodized Aluminum Extrusion, available in 6.5′ lengths



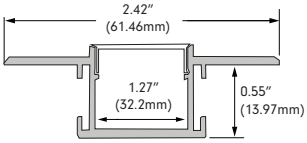
WRNR-CHAN-SLV-6.5
Anodized Aluminum Extrusion, available in 6.5′ lengths



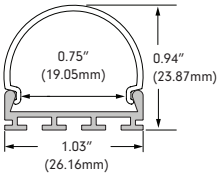
COTA-CHAN-SLV-6.5
Anodized Aluminum Extrusion, available in 6.5′ lengths



CARU-CHAN-SLV-6.5
Anodized aluminum extrusion, available in 6.5′ lengths

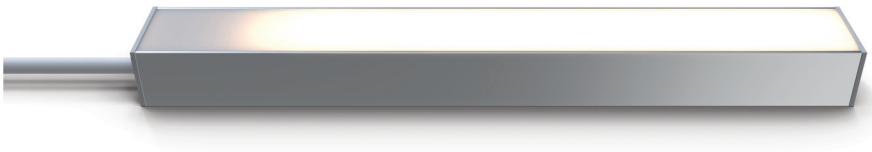


HAYS-CHAN-SLV-6.5
Anodized Aluminum Extrusion, available in 6.5′ lengths

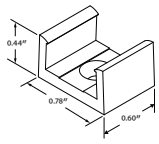


DOME-CHAN-SLV-6.5
Anodized Aluminum Extrusion, available in 6.5′ lengths

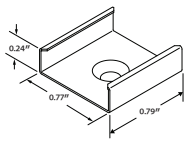
Note: A 1.875″ dark spot is created at the power lead side due to non-lit connection.
See exapmle below.



Clips



FLX120-CLIP-01
PVC Mounting clip
For Flex120 tape
Sold Each



FLX120-CLIP-02
Metal Mounting clip
For aluminum channel 02
Sold in 4pk

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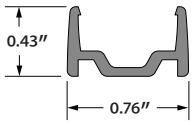
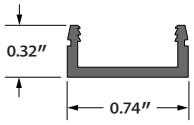
Mounting Channel - Open

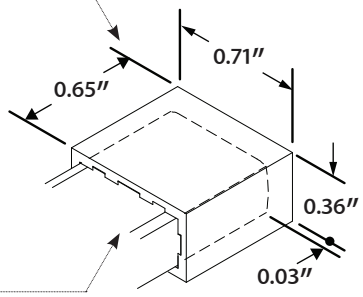
Note: Flex120 channel 01 and 02 will not accommodate the end cap within the channel. See below for additional length beyond the channel to complete the total run measurement.



FLX120-CHAN-01
PVC low-profile channel
6.5′ length



FLX120-CHAN-02
Aluminum low-profile channel
6.5′ length



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