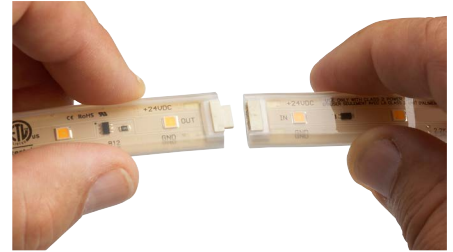# JUNO
FlexConnect™

Architectural Linear Lighting System

Flexible LED lighting that can be cut, shaped and reconnected in the field

This is Juno FlexConnect™

Flex it … cut it, reconnect it!

Juno FlexConnect™ is the industry's most versatile LED linear lighting system. Shape it around curved surfaces, cut it in the field, reconnect individual segments ... no other linear lighting product gives you so many installation options. This is quality, economical architectural-grade linear lighting in a flexible format.

SL Series – Juno FlexConnect™ Indoor Luminaires
Damp Location Rated

Indoor SL Series – 12 LEDs per foot produce up to 425 lm/ft from just 4.4W/ft or 225 lm/ft from just 2.2W/ft.

The Juno FlexConnect
Architectural Linear Lighting System

Juno FlexConnect™ systems include indoor damp-location luminaires and indoor/outdoor IP67-rated luminaires. They offer a host of connector accessories that provide unsurpassed application versatility.

The flexible luminaire comes in 20-foot spools that can be field-cut and customized in 6-inch increments, reconnected using the integral connectors, then attached in a variety of configurations including linear channels and curved surfaces. Residential, hospitality, retail, or commercial ... there's no limit to the creative illumination possibilities afforded by the Juno FlexConnect Architectural Linear Lighting System.

SLW Series – Juno FlexConnect™ Indoor/Outdoor Luminaires
IP67 Rated for Wet Locations

Indoor/Outdoor SLW Series – *With 12 LEDs per foot, they deliver up to 425 lm/ft from just 4.4W/ft or 220 lm/ft from just 2.2W/ft. Double-populated with 24 LEDs per foot provides more even illumination and up to 450 lm/ft from just 4.8W/ft.*

Superior Performance and Quality of Light

Juno FlexConnect™ LED luminaires offer superb lighting performance, producing up to 450 lumens per foot of brilliant white light in CCTs of 2200K, 2700K, 3000K, 3500K, and 4000K.

Onboard Current Regulation – Consistent light output is maintained across the length of the run utilizing current regulators every 6-inches; unlike traditional LED tape that uses resistors which results in voltage drop and light degradation.

**Indoor
(SL Series, Damp Location)**
• 2W/ft. (225 lm/ft.)
• 4W/ft. (425 lm/ft.)
• 12 LEDS per foot

Embedded Connectors – Patent pending, embedded connectors allow Juno FlexConnect to be field-cut in 6-inch increments and reconnected in the field to another strip, electrical feed or connector.

**Indoor/Outdoor
(SLW Series, IP67 Rated)**
• 2W/ft. (220 lm/ft.)
• 4W/ft. (450 lm/ft.)
• 12 or 24 LEDS per foot

Patent Pending Optical Pigment

The proprietary optical pigment utilized in Juno FlexConnect luminaires is truly unique. This UV-stable pigment maintains color throughout the life of the product and corrects color shift that regularly occurs with other encapsulated strips. CCT color points are maintained within a 3-step MacAdam ellipse, providing the ability to accurately match other architectural lighting within a space. Excellent color rendition is achieved with standard CRI of 80 minimum and CRI of 95 available in the 2700K and 3000K versions. No other flexible linear-lighting system can compare in color and performance to these exceptional luminaires.
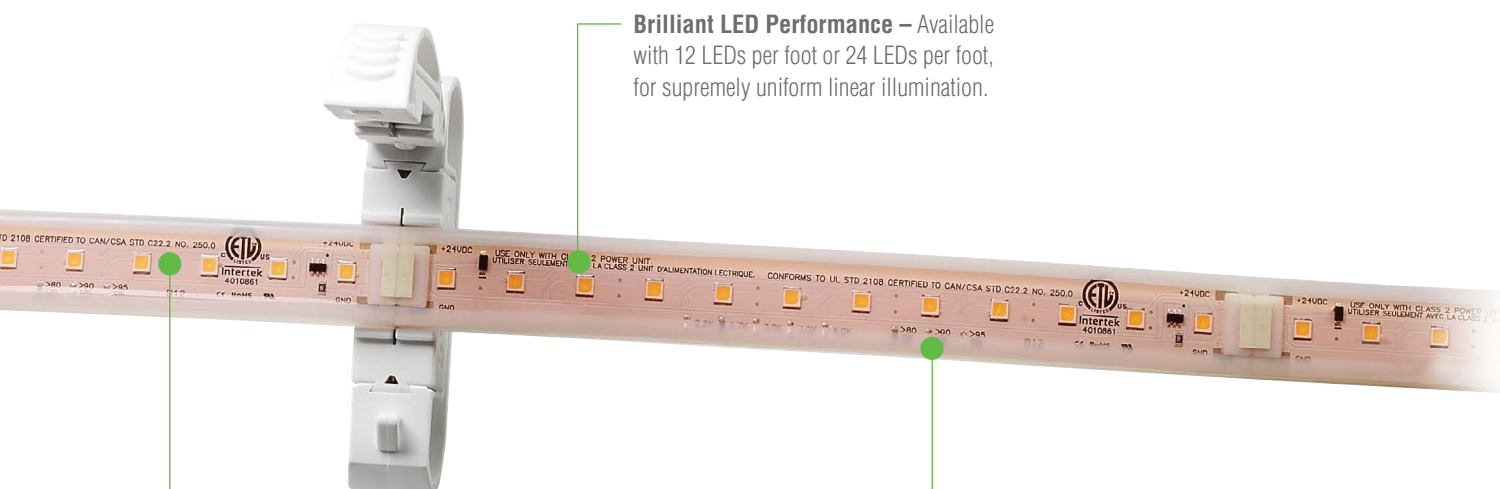
Brilliant LED Performance – Available with 12 LEDs per foot or 24 LEDs per foot, for supremely uniform linear illumination.

Durable Silicone Encapsulation – UV stable silicon protects the luminaire, providing extended reliability and long life.

Up to
95 CRI

Proprietary Optical Pigment – Patent pending optical pigment corrects color shift that results from LED encapsulation. Color point is spot-on as the pigment provides industry leading color rendering and color consistency.

Bendable, configurable – Easy to bend, shape, and cut in the field for unrivaled application flexibility.

24VDC power supply – ELV/forward phase and 0-10V dimming; Compatible with nLight® nPP16d. Lutron driver options available.

*Acuity*Controls™
nLight®

Juno FlexConnect™

Easy to configure … easy to install

Supplied in 20-foot spools, Juno FlexConnect™ is the only encapsulated flexible linear luminaire on the market that features unique, integral connectors. Each connector is spaced 6-inches apart, enabling the luminaires to be cut to any length and reconnected in the field. This helps eliminate waste and makes it easy to configure. Linear runs from 1-foot to 40-feet in length are possible with no voltage drop, ensuring even illumination throughout.

Installation couldn't be easier. Simply … Flex it, Cut it, Reconnect it!

SL/SLW Series Cutting Tool – Make quick, fool-proof cuts through the center of embedded connectors placed every 6-inches along the strip.
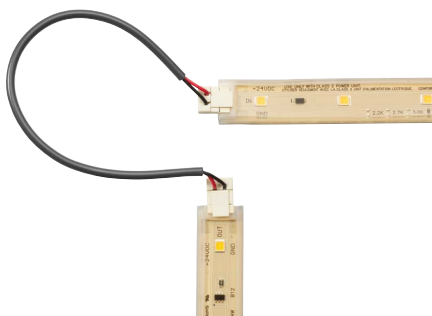
Luminaire strips must be cut using the custom cutting tool (ordered separately).
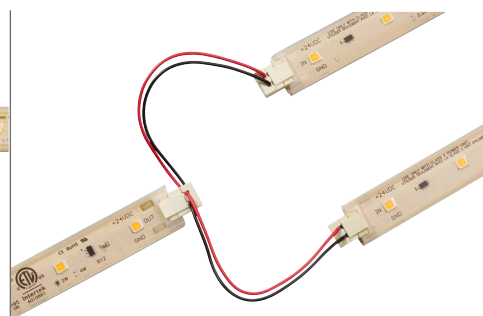
Electrical Feeds

A variety of cables and modular connectors are available to customize each SL and SLW Series installation.
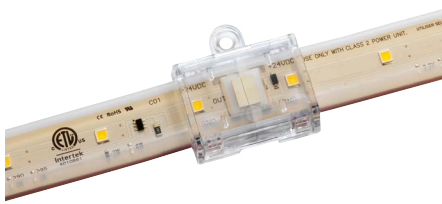
Starter Cables
CL2 rated for in-wall use.

Joiner Cables
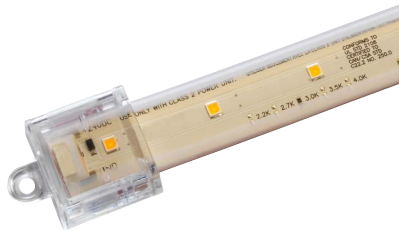Provides a flexible connection for two luminaire strips.

3-Way Connector
Provides a flexible connection for three luminaire strips.

Modular Connectors

**End-to-End Connector** – SLW Series connector seals two cut luminaire strips.

End Cap – Seals cut end of luminaire strip.

A translucent silicone gel is included inside SLW Series clear acrylic enclosures that repels moisture – without inhibiting the light. These easy to install connectors allow the IP67 rating to be maintained when Juno FlexConnect™ strips are cut in the field.
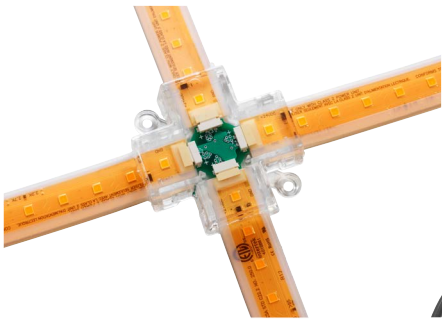
4-Way Connector – Accepts four luminaire strips or three strips and one power feed. Available in SL Series for indoor use or SLW Series for outdoor wet locations.
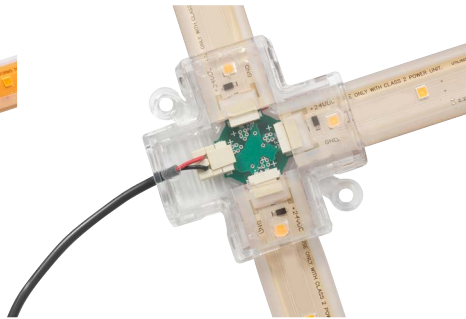
Terminal Block – Accepts 14-22 AWG wire, allowing power supply to be remotely mounted up to 100 feet away.

Mounting Options

Aluminum Channel and Lens Options

Channels are available in satin aluminum, white or black finishes. They can be ordered with clear or frosted lens, or be specified without a lens.

Low Profile Surface Mount

Deep Surface Mount

45º Low Profile

Mounting Clips – Provide secure attachment to a variety of surfaces when placed at 1-foot intervals. The back of luminaires features 3M adhesive strips to maintain positioning while installing clips.
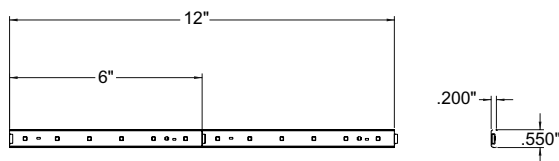
45º Square

45º Round

Note: Except as indicated, all optional accessories are ordered separately.

SL Series – Indoor, Damp Location System

SL212/SL412

12"
6"
.200"
.550"

Product Codes

24V Standard Output Flexible LED Strips (12 LEDs per ft) - Damp Location

Series	CCT	CRI Min.	R9	Watts per Foot	Lumens per Foot
SL212	2200K	80	35	2.2	140
	2700K	80	35	2.2	180
	3000K	80	34	2.2	190
	3500K	80	20	2.2	205
	4000K	80	21	2.2	225

24V High Output Flexible LED Strips (12 LEDs per ft) - Damp Location

Series	CCT	CRI Min.	R9	Watts per Foot	Lumens per Foot
SL412	2700K	80	33	4.4	315
	3000K	80	34	4.4	360
	3500K	80	19	4.4	400
	4000K	80	19	4.4	425
	2700K	95	74	4.4	265
	3000K	95	74	4.4	275

Order in 20' spools.

Remote 24VDC Power Supply

Lutron® Hi-Lume, A-Series, 3-Wire

Lutron® Hi-Lume, A-Series, 2-Wire

Power Supplies	Catalog #	Input Voltage	Output Voltage	Max. Wattage	Min. Wattage	Dimming	Min. Dimming %
24VDC Power Supply	**DLDPS 60W FPCZT** **DLDPS 96W FPCZT**	120-277 VAC	24VDC	60W 96W	2W 36W	0-10V, ELV, Trac	5%
Lutron® Hi-Lume, A-Series, 3-Wire	**DLDPS 40W ECOS3** **DLDPS 96W ECOS3**	120-277 VAC	24VDC	40W 96W	5W 25W	3-wire & EcoSystem	1% 0.1%
Lutron® Hi-Lume, A-Series, 2-Wire	**DLDPS 40W ECOS2**	120 VAC	24VDC	40W	5W	2-wire & EcoSystem	1%

Starter Cable

Terminal Block

Joiner Cable

3 Way Connector

4 Way Connector

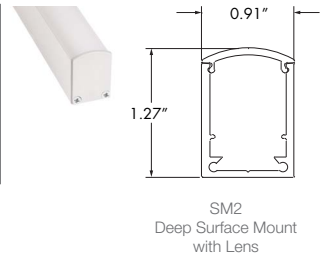| Electronic Feeds	Series	Description	Length
Starter Cable	**SL101P**	22 AWG, CL2 rated starter cable, rated for in-wall use	36", 144"
Terminal Block, Indoor	**SL101TB**	One end connects to strip. Accepts 14-22 AWG solid/stranded wire, including non-metallic sheathed cable.	
Straight Joiner Cables	**SL102FLX**	22 AWG, CL2 rated cable, rated for in-wall use	2", 6", 12" 36" & 72"
3-Way Connector	**SL102Y**	3-Way, 22 AWG	3"
4-Way Connector	**SL102X**	4-Way Connector, accepts up to 4 strips for 1 feed and 3 strips	

Cutting Tool

Mounting Clips

System Accessories	Series	Description
Cutting Tool	**SLCUTTER**	SL Series Cutting Tool - REQUIRED TO FIELD CUT LUMINAIRE
Mounting Clips	**SLCLIP**	SL Series Mounting Clips, Qty: 20

0.91″
0.44″
SM1
Low Profile Surface Mount
without Lens

0.91″
0.59″
SM1
Low Profile Surface Mount
with Lens

0.91″
1.13″
SM2
Deep Surface Mount
without Lens

0.91″
1.27″
SM2
Deep Surface Mount
with Lens

1″
0.75″
0.75″
SM3
45° Low Profile

1.5″
1″
1″
SM4
45° Square

1.5″
1″
1″
SM5
45° Round
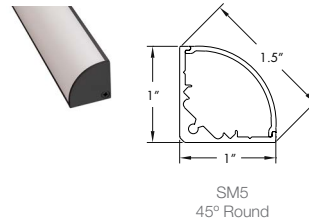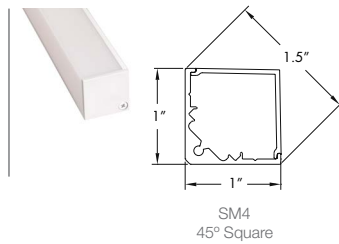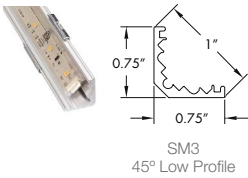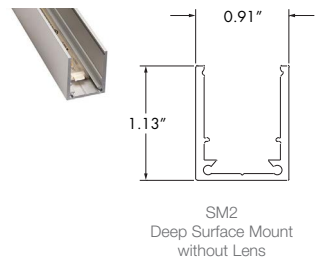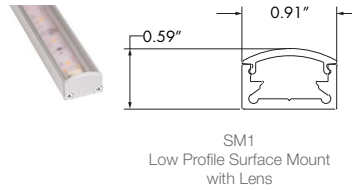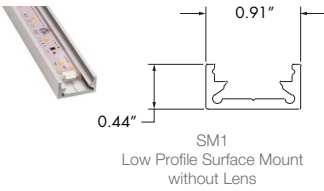
Aluminum Channels

Channel Type		Nominal Length	Lens	Finish
SM1	Low Profile Surface Mount	**48IN****	**NL** No Lens	**SA** Satin Aluminum
SM2	Deep Surface Mount		**CL** Clear Lens	**BL** Black
SM3*	45 Degree Low Profile		**FR** Frosted Lens	**WH** White
SM4	45 Degree Square			
SM5	45 Degree Round			

*Only available with 'NL' lens option

**Actual length is 49 inches long to accommodate luminaire connectors and power feed

Endcaps included with lensed options

SLW Series – Indoor/Outdoor, IP67 Rated Wet Location System

SLW212/SLW412

SLW424

Product Codes

24V Standard Output Flexible LED Strips (12 LEDs per ft) - IP67 Wet Location

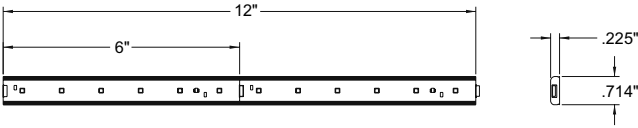| Series	CCT	CRI Min.	R9	Watts per Foot	Lumens per Foot
SLW212	2700K	80	35	2.2	175
	3000K	80	34	2.2	200
	3500K	80	20	2.2	215
	4000K	80	20	2.2	220
	2700K	95	95	2.2	140
	3000K	95	95	2.2	155

24V Standard Output Flexible LED Strips (12 LEDs per ft) - IP67 Wet Location

Series	CCT	CRI Min.	R9	Watts per Foot	Lumens per Foot
SLW412	2700K	80	32	4.4	340
	3000K	80	28	4.4	370
	3500K	80	18	4.4	415
	4000K	80	16	4.4	425
	2700K	95	77	4.4	270
	3000K	95	74	4.4	300

24V Standard Output Flexible LED Strips (12 LEDs per ft) - IP67 Wet Location

Series	CCT	CRI Min.	R9	Watts per Foot	Lumens per Foot
SLW424	2700K	80	40	4.8	350
	3000K	80	20	4.8	385
	3500K	80	17	4.8	425
	4000K	80	20	4.8	450
	2700K	95	80	4.8	280
	3000K	95	75	4.8	310

Order in 20' spools.

Remote 24VDC Power Supply
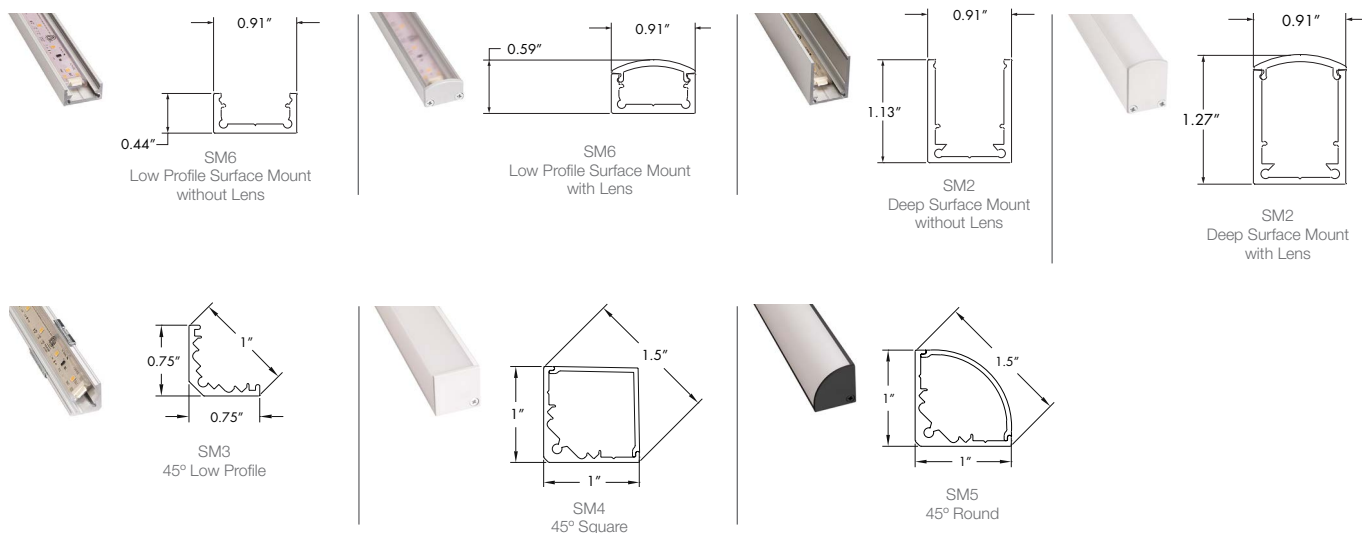

Lutron® Hi-Lume, A-Series, 3-Wire

Lutron® Hi-Lume, A-Series, 2-Wire

Power Supplies	Catalog #	Input Voltage	Output Voltage	Max. Wattage	Min. Wattage	Dimming	Min. Dimming %
24VDC Power Supply	**DLDPS 60W FPCZT** **DLDPS 96W FPCZT**	120-277 VAC	24VDC	60W 96W	2W 36W	0-10V, ELV, Trac	5%
Lutron® Hi-Lume, A-Series, 3-Wire	**DLDPS 40W ECOS3** **DLDPS 96W ECOS3**	120-277 VAC	24VDC	40W 96W	5W 25W	3-wire & EcoSystem	1% 0.1%
Lutron® Hi-Lume, A-Series, 2-Wire	**DLDPS 40W ECOS2**	120 VAC	24VDC	40W	5W	2-wire & EcoSystem	1%

Starter Cable

Terminal Block

Joiner Cable

End to End Connector

4 Way Connector

End Cap

Electronic Feeds	Series	Description	Length
Starter Cable	**SL101P**	22 AWG, CL2 rated starter cable, rated for in-wall use	36", 144"
Terminal Block, IP67	**SLW101TB**	One end connects to strip. Accepts 14-22 AWG solid/stranded wire, including non-metallic sheathed cable. IP67 Rated.	
Joiner Cables	**SL102FLX**	22 AWG, CL2 rated cable, rated for in-wall use	2", 6", 12" 36 & 72"
End-to-End Connector, IP67	**SLW102EE**	End-to-End Connector for continuous lit run, IP67	
4-Way Connector, IP67	**SLW102X**	4-Way Connector, accepts up to 4 strips for 1 feed and 3 strips, IP67	
End Cap, IP67	**SLW101EC**	End Cap for sealing field cut end of luminaires. IP67.	

System Accessories	Series	Description
Cutting Tool	**SLWCUTTER**	SLW Series Cutting Tool - REQUIRED TO FIELD CUT LUMINAIRE
Mounting Clips	**SLWCLIP**	SLW Series Mounting Clips, Qty: 20

Cutting Tool

Mounting Clips

0.91"

0.44"

SM6
Low Profile Surface Mount
without Lens

0.59"   0.91"

SM6
Low Profile Surface Mount
with Lens

0.91"

1.13"

SM2
Deep Surface Mount
without Lens

0.91"

1.27"

SM2
Deep Surface Mount
with Lens

0.75"   1"

0.75"

SM3
45° Low Profile

1.5"

1"

1"

SM4
45° Square

1.5"

1"

1"

SM5
45° Round

Aluminum Channels

Channel Type		Nominal Length	Lens		Finish	
SM6	Low Profile Surface Mount	**48IN****	**NL** No Lens		**SA** Satin Aluminum	
SM2	Deep Surface Mount		**CL** Clear Lens		**BL** Black	
SM3*	45 Degree Low Profile		**FR** Frosted Lens		**WH** White	
SM4	45 Degree Square					
SM5	45 Degree Round					

*Only available with 'NL' lens option

**Actual length is 49 inches long to accommodate luminaire connectors and power feed

Endcaps included with lensed options

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