

LAMP STYLE GUIDE

To determine the most attractive and efficient form of lighting for your application, begin by selecting the best lamp type, lamp spacing, and wattage. Then design the system for your specific needs by selecting the right accessories. As a general rule, the basic version of our product uses 1-watt lamps, 2.4" on center and can uniformly illuminate surfaces positioned as close as 2" to 3" from the fixture. Lamp sockets are designed to be attached with mounting screws, offering complete flexibility of adjustment in countless directions. These products feature 50,000 hours of rated life and a choice of 3000K and 4100K color temperature.



SL1-LED-2.4-24-1-CW

The SL1-LED-2.4-24-1-CW is the most versatile and widely chosen fixture, as it is suitable for most applications and delivers an optimal combination of lumen output, lamp life, and 4100K color temperature.



SL1-LED-2.4-24-1-NW

When higher color temperature are acceptable, the SL1-LED-2.4-24-1-NW can offer greater lumen output and 3000K color temperature.

HOW TO SPECIFY FESTOON LED LINIA COVE SYSTEM (Please see required accessories per section)

QTY	-	SL1-LED	-	3	-	24	-	1	-	NW	-	LC	-	MC
QUANTITY		PRODUCT CODE		LAMP SPACING		VOLTAGE		WATTAGE		LAMP TYPE		LENS OPTION		OPTION
				2.4" 2.4" O.C. 3" 3" O.C. 4" 4" O.C. 6" 6" O.C.		24V 12V		1W		(NW=3000K) NEUTRAL WHITE (CW=4100K) COOL WHITE		LENS COVER		MOUNTING CHANNEL



REQUIRED ACCESSORIES PER SECTION



Terminal Block Connectors
- PART#: SL-LED-TB

of section



Mini Junction Box Connectors
- PART#: SL-LED-JBC

of section

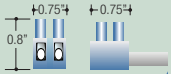


END CAP
- PART#: SL-LED-EC

of section

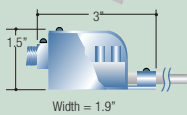
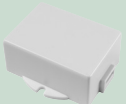
LINIA COVE LED LIGHTING MODULES

REQUIRED ACCESSORIES PER SECTION



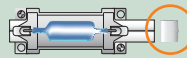
TERMINAL BLOCK CONNECTORS (PART#: SL-LED-TB)

The connector can be connected to one end of the Linia Cove Lighting fixture. The other end could be connected to #14, 12, or 10 AWG wire. The connector can be mounted through a hole in its center.



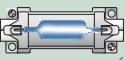
MINI JUNCTION BOX CONNECTORS (PART#: SL-LED-JBC)

When wired must be installed within a structure, it may be necessary to connect the fixture using coded wiring. In such cases, a very small junction box with a 1/2" knockout may be utilized with conduit fittings.



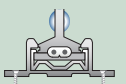
END CAP (PART#: SL-LED-EC)

A vinyl end cap is supplied at the end of a run of to safeguard the conductors.



MOUNTING SCREWS (PART#: SL-LED-SC)

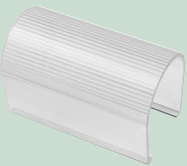
Four holes are found in each lamp socket. Two screws in opposite corners must be tightened for proper installation.



CHANNEL CLAMPS (PART#: SL-LED-CL)

These clamps, which can easily be screwed into position, are compatible with the SL2-MC mounting channel.

OPTIONS



LENS COVER (PART#: SL1-LC, SL2-LC)

A clear polycarbonate lens may be used to protect lamps from contact when the application requires such protection. The lenses are open-ended so as to facilitate ventilation.



MOUNTING CHANNEL (PART#: SL-MC)

For straight-run applications, we offer a tough, high-temperature plastic channel. The channel can be screwed in place and the lamp socket pushed into position, resulting in a very simple installation and flawless linear integrity.



SYSTEM LAYOUT AND TRANSFORMER

In designing a lighting system, consideration must be given to the following points:

1. Maximum length of each fixtures run.
2. Output load of each transformer circuit.
3. Total load of transformer.

To avoid a voltage drop, long runs of the product can only be maintained by centrally locating the transformer and feeding fixtures on either side.

MAXIMUM FIXTURE SIZE

The maximum capacity of a fixture must not exceed 20 amps (480 Watts @ 24 volts). If a run length exceeds these limitations, then it should only be provided by multiple fixtures. Each fixture then requires an independent feed running to the transformer. Additionally, fixtures using 6" on center are further restricted in size to prevent excessive drops in voltage. Please call our technical department for more details.

TRANSFORMERS

Transformers are UL- and CUL-listed for use with lighting fixtures. These transformers are for use with 120/240 VAC/60 Hz input. The 24 volt secondary outputs are protected by inherent fuses with a maximum rating of 20 amps. The appropriate transformer can easily be determined by multiplying the number of lamps by the Watts per lamp. For larger transformers, consideration should be given to the maximum capacity of each fused output. Capacities shown are conservative underestimates by approximately 20%.



LED

LINIA

SL-LED ASYMMETRICAL LINIA COVE LED MODULES

LINIA COVE LED LIGHTING MODULES

MAXIMUM FIXTURE SIZE

LAMP SPACING	2.4" O.C.	3" O.C.	4" O.C.	6" O.C.
NUMBER OF LAMPS/FOOT	5	4	3	2
MAX. LENGTH @ 24V 1W	96'	120'	150'	150'
MAX. WATTAGE @ 24V 1W	480	480	480	480
MAX. LENGTH @ 12V 1W	48'	60'	75'	75'
MAX. WATTAGE @ 12V 1W	240	240	240	240
MAX. LAMPS/CIRCUIT @ 24V 1W	480	480	550	300

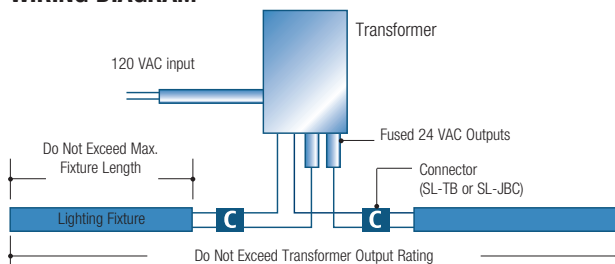
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APPROXIMATE SIZES AND WEIGHT

Part#	Type	Output(12V/24V)	Depth	Height	Width	Weight
EV24-150*	Magnetic	1@150 Watts	2-15/16"	7-9/16"	3-1/16"	10 lbs.
EV24-200*	Magnetic	1@200 Watts	2-15/16"	7-9/16"	3-1/16"	12 lbs.
ODX-250S-24*	Magnetic	1@250 Watts	3-3/8"	8-1/16"	4-3/16"	16 lbs.
EV24-300*	Magnetic	1@300 Watts	3-3/8"	8-1/16"	4-3/16"	16 lbs.
ODX-500*	Magnetic	1@500 Watts	4-1/4"	9-7/16"	4-11/16"	20 lbs.
ODX-600S*	Magnetic	1@600 Watts	4-1/4"	9-7/16"	4-11/16"	20 lbs.
ODX-750S-24*	Magnetic	2@375 Watts	4-1/4"	9-7/16"	4-11/16"	28 lbs.
ODX-1000*	Magnetic	2@500 Watts	4-15/32"	8-13/32"	7-13/16"	32 lbs.
ODX-1200S*	Magnetic	2@600 Watts	5-7/16"	10-9/16"	6-3/4"	35 lbs.

*277V available upon request

WIRING DIAGRAM



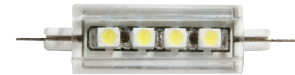
TRANSFORMER SPECIFICATION GUIDE

Requested wattage of transformer	= Lamp Wattage	x number of lamp/ft	x Length
	1W	2.4" O.C. = 5 lamps	
	1.8W	3" O.C. = 4 lamps	
		4" O.C. = 3 lamps	
		5" O.C. = 2.4 lamps	
		6" O.C. = 2 lamps	

USE FORMULA TO DETERMINE WHICH TRANSFORMER TO USE

Requested wattage of transformer	= Lamp Wattage	x number of lamp/ft	x Length
150W	1W	4" O.C. = 3 lamps	50'

SL1



SL2



SL3



REPLACEMENT LAMPS FOR EXISTING RIGID LOOP 24V COVE LIGHTING SYSTEMS (OR ELITE SL1 SYSTEM)

CATALOG	WATTAGE	VOLTAGE	COLOR
SL1-LED-NW-12	1W	12V	30K
SL1-LED-CW-12	1W	12V	41K
SL1-LED-NW-24	1W	24V	30K
SL1-LED-CW-24	1W	24V	41K

REPLACEMENT LAMPS FOR EXISTING FESTOON 24V COVE LIGHTING SYSTEMS (OR ELITE SL2 SYSTEM)

CATALOG	WATTAGE	VOLTAGE	COLOR
SL2-LED-NW-12	1W	12V	30K
SL2-LED-CW-12	1W	12V	41K
SL2-LED-NW-24	1W	24V	30K
SL2-LED-CW-24	1W	24V	41K

REPLACEMENT LAMPS FOR EXISTING FESTOON 24V COVE LIGHTING SYSTEMS (OR ELITE SL3 SYSTEM)

CATALOG	WATTAGE	VOLTAGE	COLOR
SL3-LED-WW-12	1.8W	12V	27K
SL3-LED-CW-12	1.8W	12V	41K
SL3-LED-WW-24	1.8W	24V	27K
SL3-LED-CW-24	1.8W	24V	41K

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