

INSTALLATION INSTRUCTIONS FOR

FLEX STRIP

- This recessed product is suitable for indoor, covered outdoor and damp locations.

 ETL listed.
Conforms to
3028534 UL STD 2108

CAUTION-RISK OF FIRE

This product requires installation in accordance with NEC by a qualified electrician. Before installing, be sure to read all instructions and **TURN THE POWER TO THE ELECTRICAL BOX OFF.**

STEP 1

Run electrical conduit with low-voltage wire from the remote low-voltage transformer (sold separately) to the desired location. Be sure to determine correct size low-voltage wire. See Voltage Drop Chart on reverse. Place remote transformer as close as possible to end feed point of strip.

STEP 2

Run conduit and wire to electrical junction box or Flex Strip Splice box.

STEP 3

Make electrical connections to the remote transformer in electrical single-gauge junction box.

STEP 4

Install the canopy and cover the center hole with Flex Strip Canopy Cap.

STEP 5

Run the Flex Strip to the desired length and secure within 3 inches of the feed point using L-Strap or C-Clip.

FS L-Strap



For cove installation, snap into C-Channel or L-Channel.

FS Canopy



FS C-Channel

FS L-Channel

STEP 6

Cut excess Flex Strip and cover the extreme end with Flex Strip End Cap.

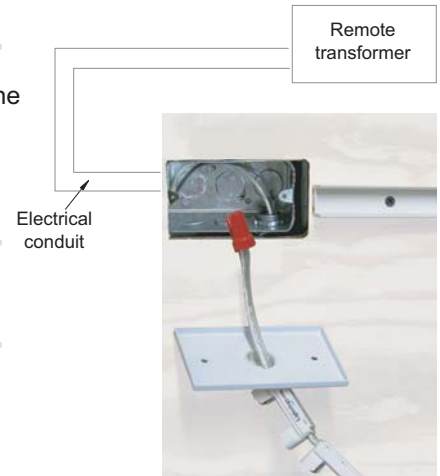
STEP 7

Snap in Xenon Festoon bulbs, FS Mr8/11/16 Holders or FS Side Socket. Maximum load 25Amps.

STEP 8

To extend Flex Strip with FS Power connector, open the bottom of power connector, strip the Flex Strip wires, carefully insert them in power connector's contact holes and tighten the 8 screws on the top. Cut off

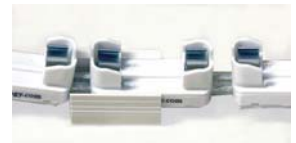
smashed strands and clip the cover of power connector back on.



FS Canopy



FS C-Clip



INSTALLATION

IMPORTANT SAFETY INSTRUCTIONS

1. Read all instructions
2. Do not conceal or extend exposed conductors through a building wall.
3. Do not install this system in wet locations.
4. To reduce the risk of fire and burns, do not install this lighting system where the exposed bare conductors can be shorted or contact any conductive materials.
5. To reduce the risk of fire and overheating, make sure all connections are tight.
6. Do not install any luminary closer than 6 inches (15.25 cm) from any curtain, or similar combustible materials.
7. Turn off electrical power before modifying the lighting system in any way.

FLEX STRIP UNDER-CABINET INSTALLATION -- SURFACE MOUNTING

STEP 1

Run electrical conduit with low-voltage wire from the remote low-voltage transformer (sold separately) to the desired location. Be sure to determine correct size low-voltage wire. See Voltage Drop Chart below. Place remote transformer as close as possible to end feed point of strip.



STEP 2

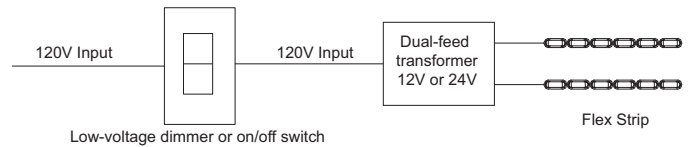
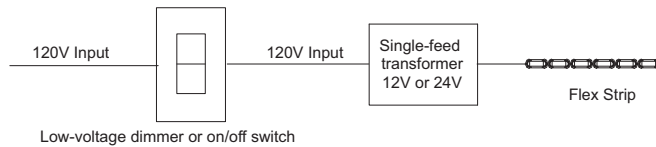
Run low-voltage cable to the Flex Strip Splice Box. Make electrical connections in terminal block and secure both terminal block and Flex Strip Splice Box to the wall with one #8 screw.



Note: Longer runs of product can be operated by centrally locating the transformer and feeding fixtures to either side. Refer to Voltage Drop Chart to determine best copper wire gage and transformer tap.

Note: Make sure power connectors are tight. Use LV electrical tester to ensure correct low voltage (11-12 volts for 12V system or 23-24 volts for 24V system.) If voltage is too high or too low, change tap at transformer. Refer to Voltage Drop Chart below.

FLEX STRIP SYSTEM LAYOUT



Locate the power feed in the middle of fixture run to ensure even illumination

Single-Feed Transformers

Magnetic Surface	Magnetic Recessed	Electronic Surface	Circuits	Maximum Lengths		
				3W Lamp	5W Lamp	10W Lamp
AT60			12V 60W	3'-6"	2'-1"	1'-1"
AT150			12V 150W	9'-5"	5'-8"	2'-10"
AT300	RT300M	LVT-303-12-DC	12V 300W	18'-10"	11'-4"	5'-8"
AT3024	RT3024M	LVT-303-AC-24	24V 300W	18'-10"	11'-4"	5'-8"
AT6024	RT6024M		24V 600W	37'-8"	22'-8"	11'-4"

Dual-Feed Transformers

Magnetic Surface	Magnetic Recessed	Circuits	Maximum Lengths		
			3W Lamp	5W Lamp	10W Lamp
AT600	RT600M	2 x 12V 300W	2 x 18'-10"	2 x 11'-4"	2 x 5'-8"

VOLTAGE DROP CHART

	5 ft.	6-10 ft.	11-15 ft.	16-24 ft.	25-30 ft.	31-35 ft.	36-45 ft.	46-55 ft.	56-65 ft.	66-90 ft.	90-110 ft.
12-14 VOLT TAP											
150W 12V	#12GA										
150W 13V		#14GA	#12GA								
150W 14V				#14GA	#12GA	#12GA	#10GA	#10GA	#10GA	#8GA	#6GA
300W 12V	#10GA	#8GA									
300W 13V			#10GA	#8GA							
300W 14V					#10GA	#10GA	#8GA	#6GA	#6GA	#4GA	#3GA
24-26 VOLT TAP											
150W 24V	#14GA	#14GA	#14GA	#12GA	#12GA						
150W 25V						#14GA	#12GA	#12GA	#12GA		
150W 26V										#14GA	#12GA
300W 24V	#12GA	#12GA	#12GA	#10GA	#10GA	#8GA					
300W 25V				#12GA	#12GA	#10GA					
300W 26V							#14GA	#12GA	#10GA	#10GA	#8GA
600W 24V	#10GA	#10GA	#10GA								
600W 25V				#10GA	#8GA	#8GA					
600W 26V							#10GA	#10GA	#8GA	#8GA	#6GA