SL6-Indoor
Diffusion LED Ribbon
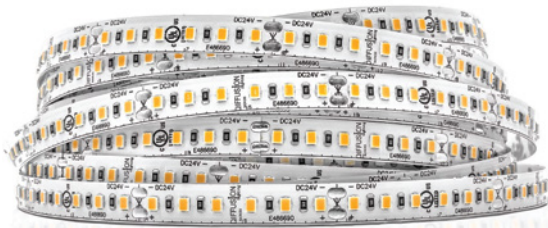
Diffusion Lighting BY RJCROSS

14.4W/M(4.5W/FT)	**120/M(36/FT)**	**91+**	**24V DC**
LED Watts	LED/Meter	CRI	Power Input

16 FT ROLL   100 FT ROLL   CUSTOM CUT

The Diffusion SL6 Indoor is a flexible 10 mm wide linear LED strip. It is available in 16 ft and 100 ft rolls that can be cut every 6 LEDs (50 mm or 2 in)

Custom lengths available upon request

Lumens

2200K	**2700K**	**3000K**	**3400K**	**4100K**	**5000K**
1120 lm/m	1220 lm/m	1282 lm/m	1344 lm/m	1400 lm/m	1580 lm/m
(366 lm/ft)	(366 lm/ft)	(384 lm/ft)	(402 lm/ft)	(420 lm/ft)	(474 lm/ft)

Custom Kelvins available upon request

Specifications

Wattage	14.4 W/m (4.5 W/ft)	**Max Run Length for Class 2**	18 ft
Voltage	24 Volts DC	**Max Run Length Product Limition**	32 ft
Roll Length	16 ft, 100 ft, Custom Cut	**Operating Temp**	-40°C to 120°C
Dimmable	Yes	**Cutting Point**	2 in
Lamp Life	50,000 hrs LM-80	**Adhesive**	3M Double Coated
CRI	91 + CRI	**Warranty**	5 Year Warranty

Ordering Information

Ordering Code	Length	Voltage	Kelvin
SL6 - IN	XX	24V	XX
	16 ft 100 ft CUSTOM CUT		2200K 2700K 3000K 3400K 4100K 5000K

Custom Kelvins available upon request
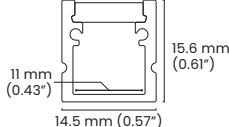
Diagram

50 mm | 1.96"
10 mm | 0.39"
5.5 mm | 0.21"
1.5 mm | 0.05"

TITLE 24 COMPLIANT   5 YEAR WARRANTY   DIMMABLE   91+ CRI HIGH CRI   c UL us LISTED E486690
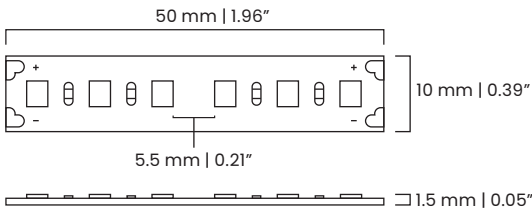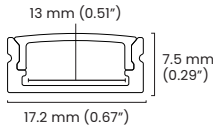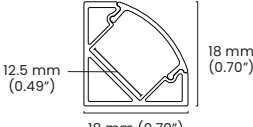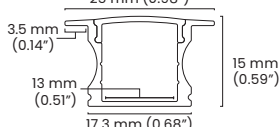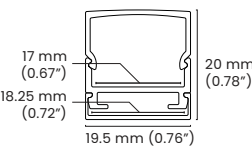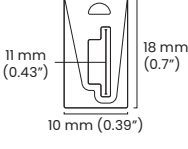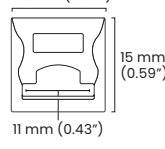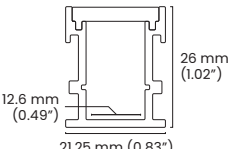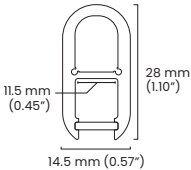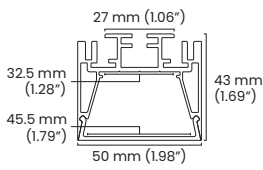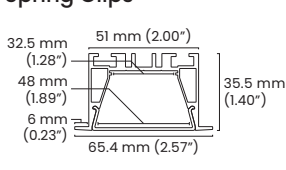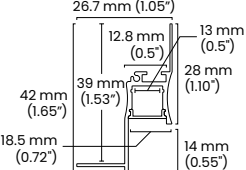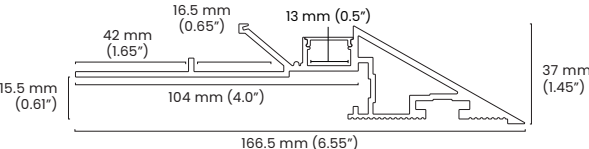
Common Pairings Channel

SLC-002S
Slim Profile Channel

13 mm (0.51")
7.5 mm (0.29")
17.2 mm (0.67")

*Shows Dotting

SLC-007S
45 Degree Channel

12.5 mm (0.49")
18 mm (0.70")
18 mm (0.70")

SLC-003R
Ressesed Channel

25 mm (0.98")
3.5 mm (0.14")
13 mm (0.51")
15 mm (0.59")
17.3 mm (0.68")

SLC-402S
Square Channel

11 mm (0.43")
15.6 mm (0.61")
14.5 mm (0.57")

*Connectors don't fit

SLC-011S
Three Sided Lens Channel

17 mm (0.67")
18.25 mm (0.72")
20 mm (0.78")
19.5 mm (0.76")

SLC-026F
Sideways Flex Channel

11 mm (0.43")
18 mm (0.7")
10 mm (0.39")

*Only available for Custom Cut (Not field cuttable)

SLC-027F
Up/Down Flex Channel

15 mm (0.59")
15 mm (0.59")
11 mm (0.43")

*Only available for Custom Cut (Not field cuttable)

SLC-034R
Walk Over Channel

12.6 mm (0.49")
26 mm (1.02")
21.25 mm (0.83")

SLC-037C
Closet Rod Channel

11.5 mm (0.45")
28 mm (1.10")
14.5 mm (0.57")

Also Available as Suspended Luminaire

SLC-050SPWH
Surface/Suspened Mount

27 mm (1.06")
32.5 mm (1.28")
45.5 mm (1.79")
43 mm (1.69")
50 mm (1.98")

*Dual Row Ribbon

SLC-065RWH
Reecessed Comes With Spring Clips

32.5 mm (1.28")
51 mm (2.00")
48 mm (1.89")
6 mm (0.23")
35.5 mm (1.40")
65.4 mm (2.57")

*Dual Row Ribbon

SLC - 090TWH
Perimeter Cove Channel

26.7 mm (1.05")
12.8 mm (0.5")
13 mm (0.5")
28 mm (1.10")
42 mm (1.65")
39 mm (1.53")
18.5 mm (0.72")
14 mm (0.55")
20 mm (0.78")

SLC-098KE
Knife Edge Channel

16.5 mm (0.65")
13 mm (0.5")
42 mm (1.65")
15.5 mm (0.61")
104 mm (4.0")
37 mm (1.45")
166.5 mm (6.55")

*More Channel options available online

All Aluminum LED channels can be cut on-site using a miter saw equipped with a circular blade designed for cutting aluminum.

LED channels are sold separately. Refer to their respective spec sheets for additional details

Visit LED Channel Catalog

SL6-Indoor
Diffusion LED Ribbon

Diffusion Lighting BY RJCROSS

LED Ribbon Wattage

14.4W/M(4.5W/FT)

LED Power Consumption

Residential
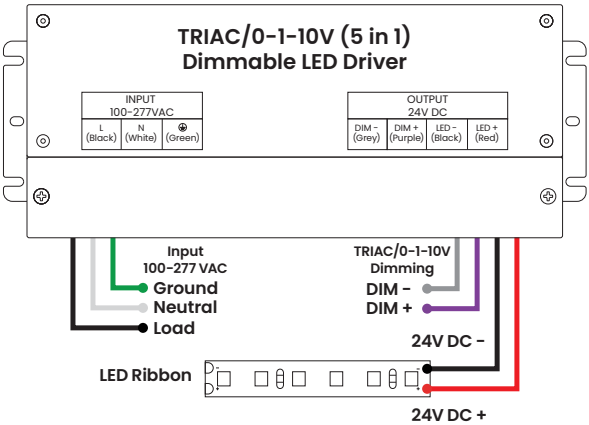Total Watts Needed = (4.5 Watts Foot × Number of Feet) × 0.9

Commercial
Total Watts Needed = (4.5 Watts Foot × Number of Feet) × 0.8

Note: Maximum run length is 18' to stay in Class 2

Max distance of a driver is based on voltage loss calculation. Stay within 2% voltage loss

Forward / Reverse Phase, ELV, TRIAC, or 0-10V Dimmers all in one LED Driver

DLMULTI-024 Series
Diffusion LED Driver

Specifications

Input Voltage	100-277 VAC	**Environment**	Indoor and Outdoor	
Output Voltage	24V DC	**Operating Temp**	-40°C to 80°C	
Dimming Range	0-100%	**IP Rating**	NEMA 4X	
Dimmable	Yes	**Warranty**	5 Years	

Product Title	Wattage	Output Current	Driver Dimension	Knock Outs
DLMULTI-024-30W Within Class 2	30W	1.25 A	165 mm L x 95 mm W x 26 mm H 6.49 in L x 3.75 in W x 1.02 in H	0.5 in (ID) *Standard 1/2" won't fit Incudes 2 Connetors*
DLMULTI-024-60W Within Class 2	60W	2.5 A	188 mm L x 95 mm W x 26 mm H 7.40 in L x 3.75 in W x 1.02 in H	0.5 in (ID) *Standard 1/2" won't fit Incudes 2 Connetors*
DLMULTI-024-100W Within Class 2	100W	4.16 A	220 mm L x 95 mm W x 41 mm H 8.66 in L x 3.75 in W x 1.61 in H	0.85 in (ID)
DLMULTI-024-150W Exceeds Class 2	150W	6.25 A	260 mm L x 104 mm W x 46 mm H 10.23 in L x 4.09 in W x 1.81 in H	0.85 in (ID)
DLMULTI-024-200W Exceeds Class 2	200W	8.33 A	260 mm L x 104 mm W x 46 mm H 10.23 in L x 4.09 in W x 1.81 in H	0.85 in (ID)
DLMULTI-024-300W Exceeds Class 2	300W	12.5 A	278 mm L x 110 mm W x 46 mm H 10.94 in L x 4.33 in W x 1.81 in H	0.85 in (ID)
DLMULTI-024-192W-2T Within Class 2	192W (2*96W)	2X 4.0 A	278 mm L x 110 mm W x 46 mm H 10.94 in L x 4.33 in W x 1.81 in H	0.85 in (ID)
DLMULTI-024-288W-3T Within Class 2	288W (3X 96W)	3X 4.0 A	303 mm L x 110 mm W x 46 mm H 11.93 in L x 4.33 in W x 1.81 in H	0.85 in (ID)
DLMULTI-024-384W-4T Within Class 2	384W (4X 96W)	4X 4.0 A	325 mm L x 140 mm W x 48 mm H 12.79 in L x 5.51 in W x 1.89 in H	0.85 in (ID)