SL3-Indoor
Diffusion LED Ribbon

Diffusion Lighting BY RJCROSS

10W/M(3W/FT)	**120/M(36/FT)**	**91+**	**24V DC**
LED Watts	LED/Meter	CRI	Power Input

[16 FT ROLL] [100 FT ROLL] [CUSTOM CUT]

Diffusion SL3-Indoor is a flexible 8mm wide linear LED strip. It is available in 16' and 100' as well as custom cuts, which can be cut every 6 LEDs (50mm or 2").

Custom lengths available upon request

Lumens

2200K	**2700K**	**3000K**	**3400K**	**4100K**	**5000K**
718 lm/m	788 lm/m	832 lm/m	876 lm/m	908 lm/m	1034 lm/m
(215 lm/ft)	(236 lm/ft)	(249 lm/ft)	(263 lm/ft)	(279 lm/ft)	(318 lm/ft)

Custom Kelvins available upon request

Specifications

Wattage	10 W/m (3 W/ft)	**Max Run Length for Class 2**	27 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
SL3 - IN	—	XX	—	24V	—	XX
		16 ft				2200K
		100 ft				2700K
		CUSTOM CUT				3000K
						3400K
						4100K
						5000K

Custom Kelvins available upon request

Diagram

50 mm | 1.96"

8 mm | 0.31"

5.5 mm | 0.21"

2.5 mm | 0.09"

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

SL3-Indoor
Diffusion LED Ribbon

Diffusion Lighting
BY RJCROSS
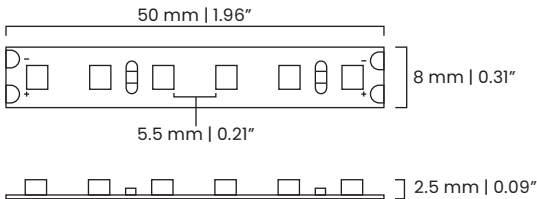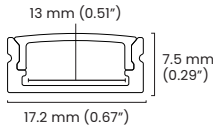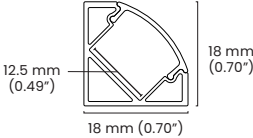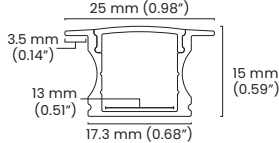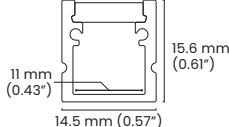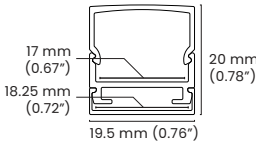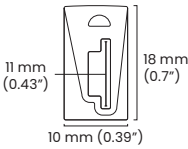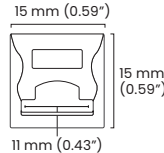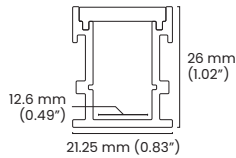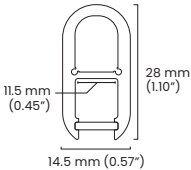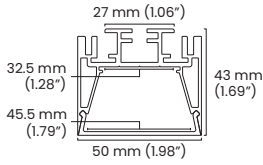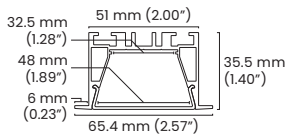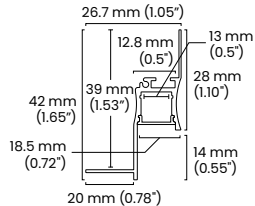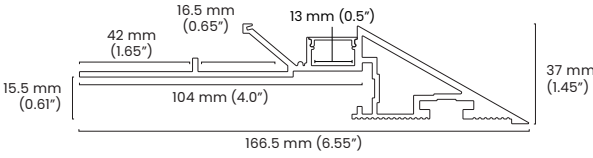
Common Pairings Channel

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

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

26 mm (1.02")
12.6 mm (0.49")
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")
42 mm (1.65")
39 mm (1.53")
28 mm (1.10")
18.5 mm (0.72")
14 mm (0.55")
20 mm (0.78")

SLC-098KE
Knife Edge Channel

16.5 mm (0.65")
42 mm (1.65")
13 mm (0.5")
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

SL3-Indoor
Diffusion LED Ribbon

Diffusion Lighting
BY **RJ**CROSS

LED Ribbon Wattage

10W/M(3W/FT)

LED Power Consumption

Residential
Total Watts Needed = (3 Watts Foot × Number of Feet) × 0.9

Commercial
Total Watts Needed = (3 Watts Foot × Number of Feet) × 0.8

Note: Maximum run length is 27' 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

TRIAC/0-1-10V (5 in 1) Dimmable LED Driver

INPUT 100~277VAC — L (Black), N (White), ⏚ (Green)
OUTPUT 24V DC — DIM - (Grey), DIM + (Purple), LED - (Black), LED + (Red)

Input 100-277 VAC — Ground, Neutral, Load
TRIAC/0-1-10V Dimming — DIM -, DIM +
24V DC -
LED Ribbon
24V DC +

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)