

SL7.5-DW-Outdoor

Diffusion LED Ribbon



BY RJCROSS

18W/M(5W/FT)

234/M(70/FT)

IP67

95+

24V DC

LED Watts

LED/Meter

IP Rating

CRI

Power Input



CUSTOM CUT ONLY

The Diffusion SL7.5-DW Outdoor is a flexible 12 mm wide linear LED strip. It offers dim-to-warm functionality, allowing you to create the perfect warm glow for any ambiance. It can cut every 14 LED chips (63 mm or 2.5 in)

Note: We are in the process of phasing out the 14 mm width and transitioning to a 12 mm width. If dimensions are critical for your project, please reach out.

Custom lengths available upon request

Lumens

1800K - 3000K
≤ 1770 lm/m
(≤ 539 lm/ft)

Exact Kelvin range will slightly change
Custom Kelvins available upon request

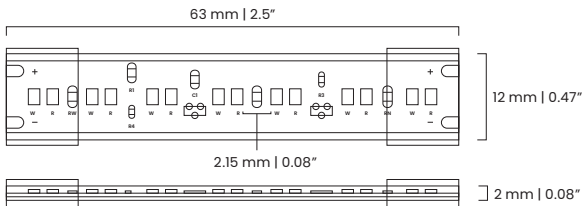
Specifications

Wattage	18 W/m (5 W/ft)	Max Run Length for Class 2	16 ft
Voltage	24 Volts DC	Max Run Length Product Limitation	32 ft
Roll Length	Custom Cut Only	Operating Temp	-40°C to 120°C
Dimmable	Yes	Environment	Sauna Approved
Lamp Life	50,000 hrs LM-80	IP Rating	IP67
CRI	95 + CRI	Warranty	5 Year Warranty
Cutting Point	2.5 in		

Ordering Information

Ordering Code	Length	Voltage	Kelvin
SL7.5-DW-OUT	XX CUSTOM CUT ONLY	24V	1800K - 3000K

Diagram



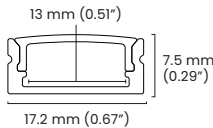
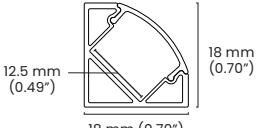
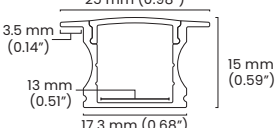
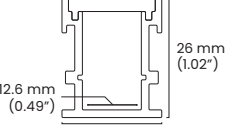
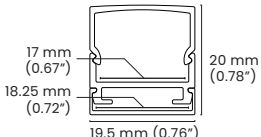
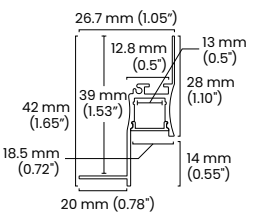
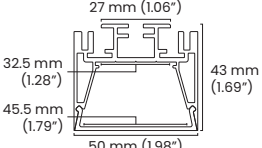
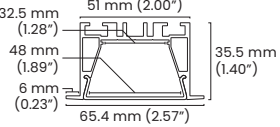
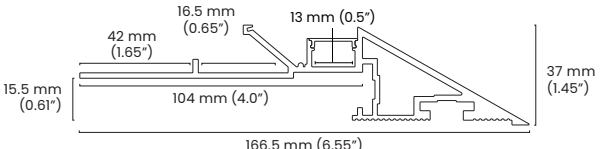
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Common Pairings Channel

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If dimensions are critical for your project, please reach out.*

SLC-002S Slim Profile Channel  *Shows Dotting	SLC-007S 45 Degree Channel 	SLC-003R Resessed Channel 	SLC-034R Walk Over Channel 
SLC-011S Three Sided Lens Channel 	SLC - 090TWH Perimeter Cove Channel 	SLC-050SPWH Surface/Suspended Mount  *Dual Row Ribbon	SLC-065RWH Reecessed Comes With Spring Clips  *Dual Row Ribbon
SLC-098KE Knife Edge Channel 			

*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](#)

SL7.5-DW-Outdoor Diffusion LED Ribbon



LED Ribbon Wattage

18 W/M (5 W/FT)

LED Power Consumption

Residential

Total Watts Needed = (5 Watts Foot × Number of Feet) × 0.9

Commercial

Total Watts Needed = (5 Watts Foot × Number of Feet) × 0.8

Note: Maximum run length is 16' to stay in Class 2

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

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 Includes 2 Connectors
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 Includes 2 Connectors
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)

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

