



Diffusion Lighting Product Catalog

2025 Edition



Browse our collection of high-quality linear LED ribbons, channels, drivers, controllers, and accessories for your next project.

SL1 – Indoor Diffusion LED Strip

5 W/M (1.5W/FT)
LED WATTS

60/M (18/FT)
LED/METER

91+
CRI

24V DC
POWER INPUT

Description

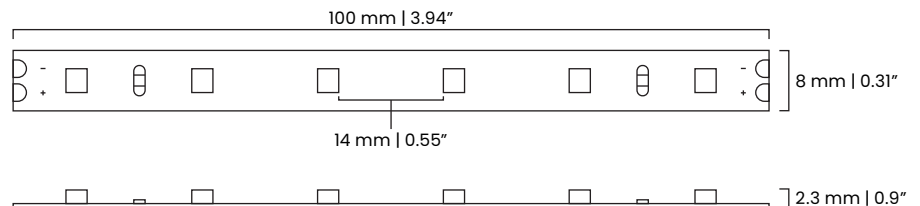
The Diffusion SL1 Indoor is a flexible 8 mm wide linear LED strip. It is available in 16 ft and 100 ft rolls that can be cut every 6 LEDs (100 mm or 4 in).

*Custom lengths available upon request**

Specifications

WATTAGE	5 W/m (1.5W/ft)	CRI	91 + CRI
VOLTAGE	24 Volts DC	OPERATING TEMP	-40°C to 120°C
ROLL LENGTH	16 ft, 100 ft, Custom Cut	CUTTING POINT	3.9 in
DIMMABLE	Yes	ADHESIVE	3M Double Coated
LAMP LIFE	50,000 hrs LM-80	WARRANTY	5 Year Warranty

Diagram



Ordering Information

ORDERING CODE	LENGTH	VOLTAGE	KELVIN
SL1 - IN	XX	24V	XX
	16 ft 100 ft CUSTOM CUT		2700K 3000K 3400K 4100K

Lumens

2700K 394 lm/m (120 lm/ft)	3000K 416 lm/m (126 lm/ft)	3400K 438 lm/m (132 lm/ft)	4100K 460 lm/m (140 lm/ft)
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Note Custom Kelvins available upon request*



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SL3 – Indoor

Diffusion LED Strip

10 W/M (3 W/FT) LED WATTS	120/M (36/FT) LED/METER	91+ CRI	24V DC POWER INPUT
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Description

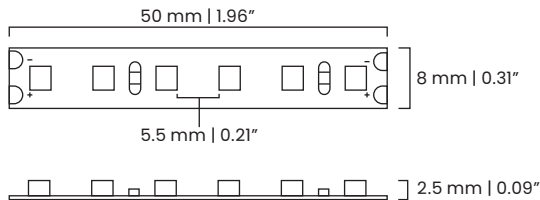
The Diffusion SL3 Indoor is a flexible 8 mm wide linear LED strip. It is available in 16 ft and 100 ft rolls that can be cut every 6 LEDs (50 mm or 2 in).

Custom lengths available upon request*

Specifications

WATTAGE	10 W/m (3 W/ft)	CRI	91 + CRI
VOLTAGE	24 Volts DC	OPERATING TEMP	-40°C to 120°C
ROLL LENGTH	16 ft, 100 ft, Custom Cut	CUTTING POINT	2 in
DIMMABLE	Yes	ADHESIVE	3M Double Coated
LAMP LIFE	50,000 hrs LM-80	WARRANTY	5 Year Warranty

Diagram



Ordering Information

ORDERING CODE	LENGTH	VOLTAGE	KELVIN
SL3 - IN	XX	24V	XX
	16 ft 100 ft CUSTOM CUT		2200K 2700K 3000K 3400K 4100K 5000K

Lumens

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



SL3 - Zig-Zag - Indoor Diffusion LED Strip

10 W/M (3 W/FT)
LED WATTS

72/M (22/FT)
LED/METER

24V DC
POWER INPUT

91+
CRI

Description

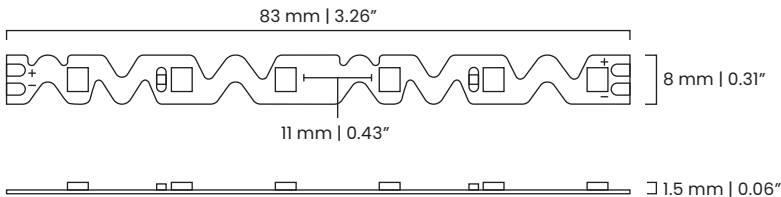
The Diffusion SL3-Zig-Zag-Indoor is a Zig-Zag LED ribbon ideal for custom shape lighting applications and can be installed on a variety of non-linear surfaces. It is only available in custom cut and can be cut every 6 LEDs (83 mm or 3.26")

*Custom lengths available upon request**

Specifications

WATTAGE	10 W/m (3 W/ft)	CRI	91 + CRI
VOLTAGE	24 Volts DC	OPERATING TEMP	-40°C to 120°C
ROLL LENGTH	Custom Cut Only	CUTTING POINT	3.26 in
DIMMABLE	Yes	ADHESIVE	3M Double Coated
LAMP LIFE	50,000 hrs LM-80	WARRANTY	5 Year Warranty

Diagram



Ordering Information

ORDERING CODE	LENGTH	VOLTAGE	KELVIN
SL3-Z-IN	XX CUSTOM CUT ONLY	24V	X 2700K 3000K 3400K 4100K

Lumens

2700K 502 lm/m (153 lm/ft)	3000K 531 lm/m (162 lm/ft)	3400K 561 lm/m (171 lm/ft)	4100K 593 lm/m (181 lm/ft)
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Note Custom Kelvins available upon request*



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SL4 - Indoor

Diffusion LED Strip

10 W/M (3 W/FT)	120/M (36/FT)	91+	24V DC
LED WATTS	LED/METER	CRI	POWER INPUT

Description

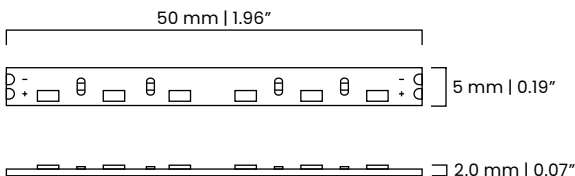
The Diffusion SL4-Indoor is a flexible 5mm wide side mount linear LED strip. It is only available in custom cut that can be cut every 6 LEDs (50 mm or 2 in).

Custom lengths available upon request*

Specifications

WATTAGE	10 W/m (3 W/ft)	CRI	91 + CRI
VOLTAGE	24 Volts DC	OPERATING TEMP	-40°C to 120°C
ROLL LENGTH	Custom Cut Only	CUTTING POINT	2 in
DIMMABLE	Yes	ADHESIVE	3M Double Coated
LAMP LIFE	50,000 hrs LM-80	WARRANTY	5 Year Warranty

Diagram



Ordering Information

ORDERING CODE	LENGTH	VOLTAGE	KELVIN
SL4 - IN	XX CUSTOM CUT ONLY	24V	XX 3000K 4000K

Lumens

3000K 728 lm/m (222 lm/ft)	4000K 812 lm/m (247 lm/ft)
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Note* Custom Kelvins available upon request



SL5 – RGB(W)-Indoor Diffusion LED Strip

14.4 W/M (4.32 W/FT) 19.2 W/M (6 W/FT) LED WATTS	60/M (18/FT) LED/METER	91+ CRI	24V DC POWER INPUT
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Description

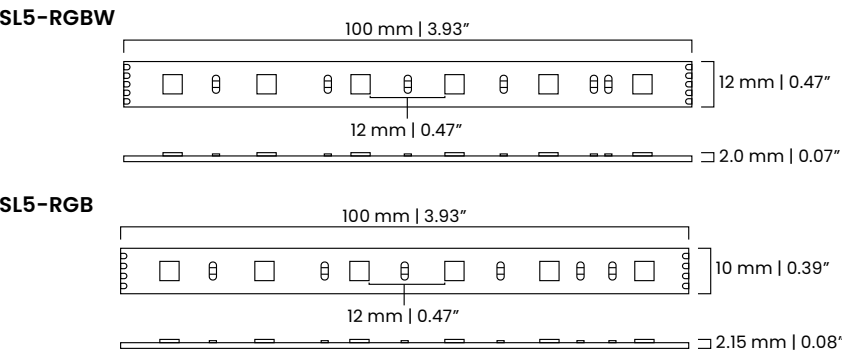
The Diffusion SL5-RGB Indoor is a 10 mm wide LED strip that allows you to choose your colors using RGB. The Diffusion SL5-RGBW Indoor is a 12 mm wide LED strip that offers color choices with RGB and warm white (2700K). Both are available in 16 ft and 100 ft rolls, that can be cut every 6 LEDs (100 mm or 4 in).

*Custom lengths available upon request**

Specifications

WATTAGE RGB	14.4 W/m (4.32 W/ft)	CRI	91 + CRI
WATTAGE RGBW	19.2 W/m (6 W/ft)	OPERATING TEMP	-40°C to 120°C
VOLTAGE	24 Volts DC	CUTTING POINT	4 in
ROLL LENGTH	16 ft, 100 ft, Custom Cut	ADHESIVE	3M Double Coated
DIMMABLE	Yes	WARRANTY	5 Year Warranty
LAMP LIFE	50,000 hrs LM-80		

Diagram



Ordering Information

ORDERING CODE	LENGTH	VOLTAGE	KELVIN
SL5 - IN	XX 16 FT 100 FT CUSTOM CUT	24V	XX RGB RGBW

Lumens

RGB 591 lm/m (180 lm/ft)	W (2700K) 400 lm/m (122 lm/ft)
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Note Custom Kelvins available upon request*



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SL6 – Indoor

Diffusion LED Strip

14.4 W/M (4.5W/FT)
LED WATTS

120/M (36/FT)
LED/METER

91+
CRI

24V DC
POWER INPUT

Description

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).

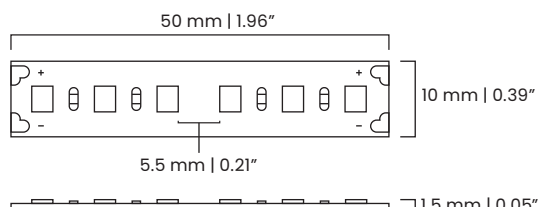
*Custom lengths available upon request**

*Note: SL6 needs to be installed in an aluminum channel**

Specifications

WATTAGE	14.4 W/m (4.5W/ft)	CRI	91 + CRI
VOLTAGE	24 Volts DC	OPERATING TEMP	-40°C to 120°C
ROLL LENGTH	16 ft, 100 ft, Custom Cut	CUTTING POINT	2 in
DIMMABLE	Yes	ADHESIVE	3M Double Coated
LAMP LIFE	50,000 hrs LM-80	WARRANTY	5 Year Warranty

Diagram



Ordering Information

ORDERING CODE	LENGTH	VOLTAGE	KELVIN
SL6.2HE-IN	XX 16 FT 100 FT CUSTOM CUT	24V	XX 2200K 2700K 3000K 3400K 4100K 5000K

Lumens

2200K 1120 lm/m (336 lm/ft)	2700K 1220 lm/m (366 lm/ft)	3000K 1282 lm/m (384 lm/ft)	3400K 1344 lm/m (402 lm/ft)	4100K 1400 lm/m (420 lm/ft)	5000K 1580 lm/m (474 lm/ft)
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Note Custom Kelvins available upon request*



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SL7.3 – Indoor

Diffusion LED Ribbon

10 W/M (3W/FT)
LED WATTS

276/M (84/FT)
LED/METER

24V DC
POWER INPUT

95+
CRI

Description

The Diffusion SL7.3 Indoor is a high-fidelity flexible 10 mm wide linear LED strip. It is only available in custom cut that can be cut every 7 LEDs (25 mm or 1 in).

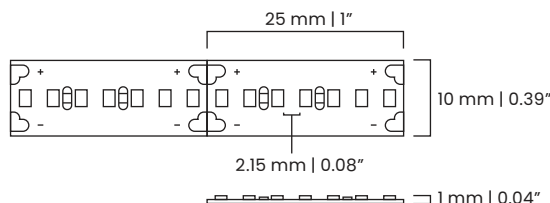
*Custom lengths available upon request**

*Note: SL7.3 needs to be installed in aluminum channel**

Specifications

WATTAGE	10 W/m (3w/ft)	CRI	95 + CRI
VOLTAGE	24 Volts DC	OPERATING TEMP	-40°C to 120°C
ROLL LENGTH	Custom Cut Only	CUTTING POINT	1 in
DIMMABLE	Yes	ADHESIVE	3M Double Coated
LAMP LIFE	50,000 hrs LM-80	WARRANTY	5 Year Warranty

Diagram



Ordering Information

ORDERING CODE	LENGTH	VOLTAGE	KELVIN
SL7.3 - IN	XX CUSTOM CUT ONLY	24V	XX 2700K 3000K 3400K 4100K

Lumens

2700K 928 lm/m (282 lm/ft)	3000K 970 lm/m (295 lm/ft)	3400K 1013 lm/m (308 lm/ft)	4100K 1055 lm/m (321 lm/ft)
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Note Custom Kelvins available upon request*



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SL7.5 – Indoor

Diffusion LED Strip

16.4 W/M (5 W/FT) LED WATTS	266/M (81/FT) LED/METER	24V DC POWER INPUT	95+ CRI
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Description

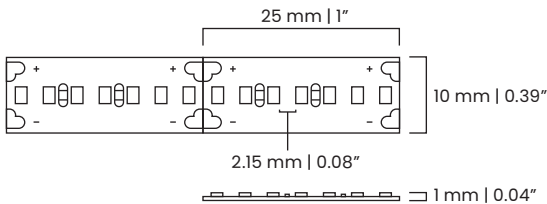
The Diffusion SL7.5 Indoor is a high-fidelity flexible 10 mm wide linear LED strip. It is only available in custom cut and can be cut every 7 LED chips (25 mm or 1 in).

Custom lengths available upon request*
Note: SL7.5 needs to be installed in aluminum channel*

Specifications

WATTAGE	16.4 W/m (5 W/ft)	CRI	95 + CRI
VOLTAGE	24 Volts DC	OPERATING TEMP	-40°C to 120°C
ROLL LENGTH	Custom Cut Only	CUTTING POINT	1 in
DIMMABLE	Yes	ADHESIVE	3M Double Coated
LAMP LIFE	50,000 hrs LM-80	WARRANTY	5 Year Warranty

Diagram



Ordering Information

ORDERING CODE	LENGTH	VOLTAGE	KELVIN
SL7.5 - IN	XX CUSTOM CUT ONLY	24V	XX 2700K 3000K 3400K 4100K

Lumens

2700K 1576 lm/m (472 lm/ft)	3000K 1680 lm/m (504 lm/ft)	3400K 1800 lm/m (540 lm/ft)	4100K 1936 lm/m (580 lm/ft)
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Note* Custom Kelvins available upon request

SL7.5 – DW – Indoor

Diffusion LED Strip

18 W/M (5 W/FT)
LED WATTS

234/M (70/FT)
LED/METER

95+
CRI

24V DC
POWER INPUT

Description

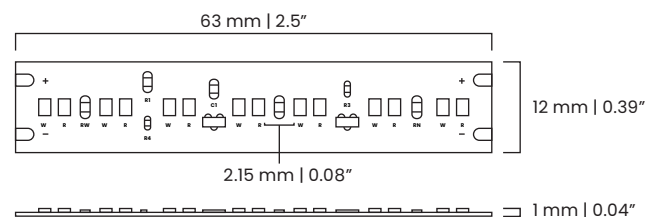
The Diffusion SL7.5-DW Indoor is a flexible 12 mm wide linear LED strip. It offers dim-to-warm functionality, allowing you to create the perfect warm glow for any ambiance. It can cut every 14 LED chips (63 mm or 2.5 in)

*Custom lengths available upon request**

Specifications

WATTAGE	16.4 W/m (5 W/ft)	CRI	95 + CRI
VOLTAGE	24 Volts DC	OPERATING TEMP	-40°C to 120°C
ROLL LENGTH	Custom Cut Only	CUTTING POINT	2.5 in
DIMMABLE	Yes	ADHESIVE	3M Double Coated
LAMP LIFE	50,000 hrs LM-80	WARRANTY	5 Year Warranty

Diagram



Ordering Information

ORDERING CODE	LENGTH	VOLTAGE	KELVIN
SL7.5 – DW – IN	XX CUSTOM CUT ONLY	24V	1800K/3000K

Lumens

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

Exact Kelvin Range Will Slightly Change

Note Custom Kelvins Ranges available upon request*



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SL7.1 – Micron – Indoor

Diffusion LED Strip

5 W/M (1.5 W/FT)
LED WATTS

184/M (56/FT)
LED/METER

95+
CRI

24V DC
POWER INPUT

Description

The Diffusion SL7.1 Micron Indoor is a flexible 5 mm wide linear LED strip. It is available in custom lengths and can be cut every 7 LED chips (38.5 mm/ 1.5").

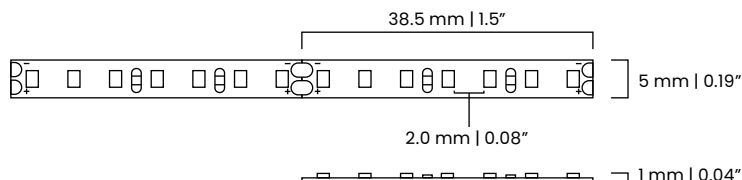
*Custom lengths available upon request**

Note: Only compatible with Micron Series Channels

Specifications

Wattage	5 W/m (1.5 W/ft)	IP Rating	IP 20
Voltage	24 Volts DC	Environment	Indoor Only
Roll Length	Custom Cut Only	Operating Temp	-40°C to 120°C
Dimmable	Yes	Cutting Point	1.5 in
Lamp Life	50,000 hrs LM80	Adhesive	3M Double Coated
CRI	95 + CRI	Warranty	5 Year Warranty

Diagram



Ordering Information

ORDERING CODE	LENGTH	VOLTAGE	KELVIN
SL7.1 – MICRON – IN	XX CUSTOM CUT ONLY	24V	XX 2700K 3000K 3400K 4100K

Lumens

2700K 403 lm/m 123 lm/ft	3000K 433 lm/m 132 lm/ft	3400K 466 lm/m 142 lm/ft	4100K 500 lm/m 152 lm/ft
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Note Custom Kelvins available upon request*



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SL7.3 – Micron – Indoor

Diffusion LED Strip

10 W/M (3 W/FT)
LED WATTS

184/M (56FT)
LED/METER

95+
CRI

24 V DC
POWER INPUT

Description

Diffusion LED Strip SL7.3 Micron Indoor is a flexible 5mm wide linear LED strip. It is available in custom lengths and can be cut every 7 LED chips (38.5 mm/ 1.5").

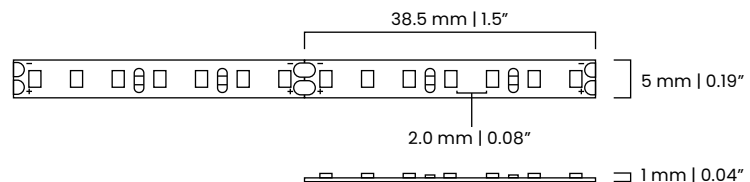
*Custom lengths available upon request**

Note: Only compatible with Micron Series Channels

Specifications

Wattage	10 W/m (3 W/ft)	IP Rating	IP 20
Voltage	24 Volts DC	Environment	Indoor Only
Roll Length	Custom Cut Only	Operating Temp	-40°C to 120°C
Dimmable	Yes	Cutting Point	1.5 in
Lamp Life	50,000 hrs LM80	Adhesive	3M Double Coated
CRI	95 + CRI	Warranty	5 Year Warranty

Diagram



Ordering Information

ORDERING CODE	LENGTH	VOLTAGE	KELVIN
SL7.3 – MICRON – IN	XX CUSTOM CUT ONLY	24V	XX 2700K 3000K 3400K 4100K

Lumens

2700K 807 lm/m 246 lm/ft	3000K 866 lm/m 264 lm/ft	3400K 932 lm/m 284 lm/ft	4100K 1001 lm/m 305 lm/ft
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Note Custom Kelvins available upon request*



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SL1 – Outdoor

Diffusion LED Strip

4.8W/M (1.5W/FT) LED WATTS	60/M (18/FT) LED/METER	IP67 IP RATING	91+ CRI	24V DC POWER INPUT
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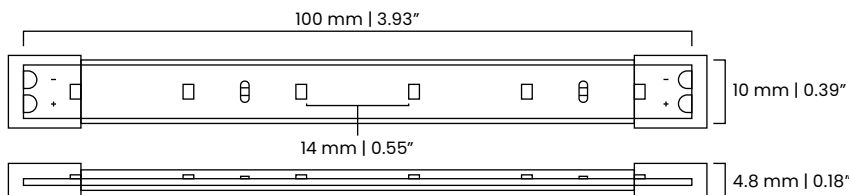
Description

The Diffusion SL1 Outdoor is a flexible 10 mm wide linear LED strip. It is available in 16 ft and 32 ft rolls that can be cut every 6 LEDs (100 mm or 4 in).
*Custom lengths available upon request**

Specifications

WATTAGE	4.8 W/m (1.5W/ft)	ENVIRONMENT	Sauna Approved
VOLTAGE	24 Volts DC	OPERATING TEMP	-40°C to 120°C
ROLL LENGTH	16 ft, 32 ft, Custom Cut	CUTTING POINT	4 in
DIMMABLE	Yes	IP RATING	IP67
LAMP LIFE	50,000 hrs LM-80	WARRANTY	5 Year Warranty
CRI	91 + CRI		

Diagram



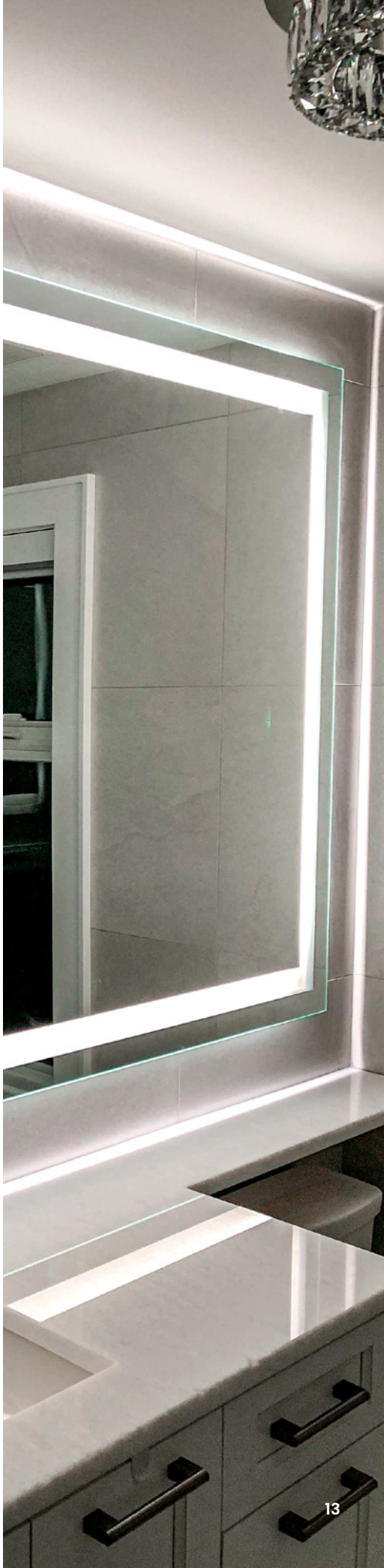
Ordering Information

ORDERING CODE	LENGTH	VOLTAGE	KELVIN
SL1 - OUT	XX 16 ft 32 ft CUSTOM CUT	24V	XX 2700K 3000K 3400K 4100K

Lumens

2700K 394 lm/m (120 lm/ft)	3000K 416 lm/m (126 lm/ft)	3400K 438 lm/m (132 lm/ft)	4100K 460 lm/m (140 lm/ft)
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Note Custom Kelvins available upon request*





SL3 – Outdoor Diffusion LED Strip

10 W/M (3W/FT) LED WATTS	120/M (36/FT) LED/METER	IP67 IP RATING	91+ CRI	24V DC POWER INPUT
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Description

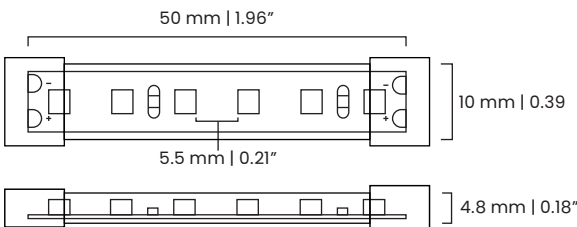
The Diffusion SL3 Outdoor is a flexible 10 mm wide linear LED strip. It is available in 16 ft and 32 ft rolls that can be cut every 6 LEDs (50 mm or 2 in).

*Custom lengths available upon request**

Specifications

WATTAGE	10 W/m (3W/ft)	ENVIRONMENT	Sauna Approved
VOLTAGE	24 Volts DC	OPERATING TEMP	-40°C to 120°C
ROLL LENGTH	16 ft, 32 ft, Custom Cut	CUTTING POINT	2 in
DIMMABLE	Yes	IP RATING	IP67
LAMP LIFE	50,000 hrs LM-80	WARRANTY	5 Year Warranty
CRI	91 + CRI		

Diagram



Ordering Information

ORDERING CODE	LENGTH	VOLTAGE	KELVIN
SL3 - OUT	XX 16 ft 32 ft CUSTOM CUT	24V	XX 2200K 2700K 3000K 3400K 4100K 5000K

Lumens

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



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SL4 – Outdoor

Diffusion LED Strip

10 W/M (3W/FT)	120/M (36/FT)	IP67	91+	24V DC
LED WATTS	LED/METER	IP RATING	CRI	POWER INPUT

Description

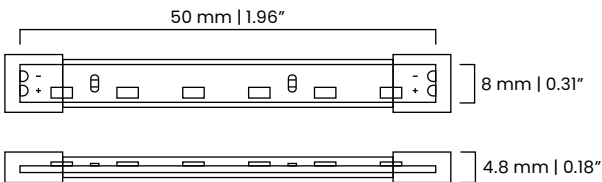
The Diffusion SL4 Outdoor is a flexible 8 mm wide side mount linear LED strip. It is only available in custom cut that can be cut every 6 LEDs (50 mm or 2 in).

*Custom lengths available upon request**

Specifications

WATTAGE	10 W/m (3W/ft)	ENVIRONMENT	Sauna Approved
VOLTAGE	24 Volts DC	OPERATING TEMP	-40°C to 120°C
ROLL LENGTH	Custom Cut Only	CUTTING POINT	2 in
DIMMABLE	Yes	IP RATING	IP67
LAMP LIFE	50,000 hrs LM-80	WARRANTY	5 Year Warranty
CRI	91 + CRI		

Diagram



Ordering Information

ORDERING CODE	LENGTH	VOLTAGE	KELVIN
SL4 – OUT	XX	24V	XX
	CUSTOM CUT ONLY		3000K 4000K

Lumens

3000K	4000K
728 lm/m (222 lm/ft)	812 lm/m (247 lm/ft)

Note Custom Kelvins available upon request*



SL5 – RGB(W) Outdoor Diffusion LED Strip

14.4 W/M (4.32 W/FT) 19.2 W/M (6 W/FT) LED WATTS	60/M (18/FT) LED/METER	IP67 IP RATING	91+ CRI	24V DC POWER INPUT
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Description

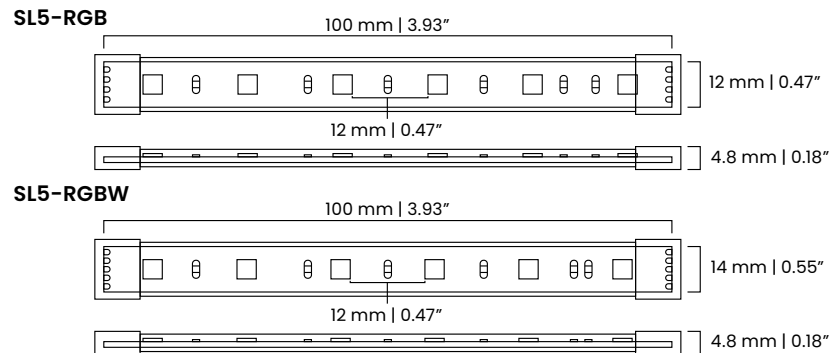
The Diffusion SL5-RGB Outdoor is a 12 mm wide LED strip that allows you to choose your colors using RGB. The Diffusion SL5-RGBW Outdoor is a 14 mm wide LED strip that offers color choices with RGB and warm white (2700K). Both are available in 16 ft and 32 ft rolls, cuttable every 6 LEDs (100 mm or 4 in).

*Custom lengths available upon request**

Specifications

WATTAGE RGB	14.4 W/m (4.32 W/ft)	CRI	91 + CRI
WATTAGE RGBW	19.2 W/m (6 W/ft)	ENVIRONMENT	Sauna Approved
VOLTAGE	24 Volts DC	OPERATING TEMP	-40°C to 120°C
ROLL LENGTH	16 ft, 32 ft, Custom Cut	CUTTING POINT	3.9 in
DIMMABLE	Yes	IP RATING	IP67
LAMP LIFE	50,000 hrs LM-80	WARRANTY	5 Year Warranty

Diagram



Ordering Information

ORDERING CODE	LENGTH	VOLTAGE	KELVIN
SL5 – OUT	XX 16 ft 32 ft CUSTOM CUT	24V	XX RGB RGBW

Lumens

 RGB 591 lm/m (180 lm/ft)	 W (2700K) 400 lm/m (122 lm/ft)
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Note Custom Kelvins available upon request*



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SL6 – Outdoor

Diffusion LED Strip

14.4 W/M (4.5W/FT) LED WATTS	120/M (36/FT) LED/METER	IP67 IP RATING	91+ CRI	24V DC POWER INPUT
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Description

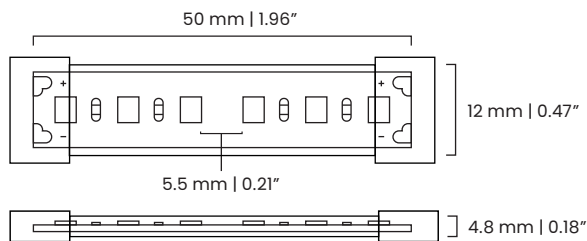
The Diffusion SL6 Outdoor is a flexible 12 mm wide linear LED strip. It is available in 16 ft and 32 ft rolls that can be cut every 6 LEDs (50 mm or 2 in).

Custom lengths available upon request*

Specifications

WATTAGE	14.4 W/m (4.5W/ft)	ENVIRONMENT	Sauna Approved
VOLTAGE	24 Volts DC	OPERATING TEMP	-40°C to 120°C
ROLL LENGTH	16 ft, 32 ft, Custom Cut	CUTTING POINT	2 in
DIMMABLE	Yes	IP RATING	IP67
LAMP LIFE	50,000 hrs LM-80	WARRANTY	5 Year Warranty
CRI	91 + CRI		

Diagram



Ordering Information

ORDERING CODE	LENGTH	VOLTAGE	KELVIN
SL6 - OUT	XX 16 ft 32 ft CUSTOM CUT	24V	XX 2200K 2700K 3000K 3400K 4100K 5000K

Lumens

2200K 1120 lm/m (336 lm/ft)	2700K 1220 lm/m (366 lm/ft)	3000K 1282 lm/m (384 lm/ft)	3400K 1344 lm/m (402 lm/ft)	4100K 1400 lm/m (420 lm/ft)	5000K 1580 lm/m (474 lm/ft)
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Note* Custom Kelvins available upon request



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SL7.5 – Outdoor Diffusion LED Strip

14.4 W/M (4.5W/FT) LED WATTS	266/M (81/FT) LED/METER	IP67 IP RATING	95+ CRI	24V DC POWER INPUT
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Description

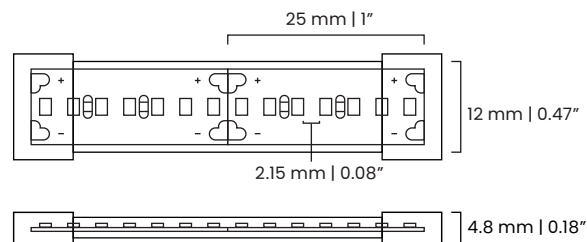
The Diffusion SL7.5 Outdoor is a high-fidelity flexible 12 mm wide linear LED strip. It is only available in custom cut and can be cut every 7 LED chips (25 mm or 1 in).

*Custom lengths available upon request**

Specifications

WATTAGE	14.4 W/m (4.5W/ft)	ENVIRONMENT	Sauna Approved
VOLTAGE	24 Volts DC	OPERATING TEMP	-40°C to 120°C
ROLL LENGTH	Custom Cut Only	CUTTING POINT	1 in
DIMMABLE	Yes	IP RATING	IP67
LAMP LIFE	50,000 hrs LM-80	WARRANTY	5 Year Warranty
CRI	95 + CRI		

Diagram



Ordering Information

ORDERING CODE	LENGTH	VOLTAGE	KELVIN
SL7.5 - OUT	XX CUSTOM CUT ONLY	24V	XX 2700K 3000K 3400K 4100K

Lumens

2700K 1418 lm/m (425 lm/ft)	3000K 1512 lm/m (453 lm/ft)	3400K 1620 lm/m (486 lm/ft)	4100K 1742 lm/m (522 lm/ft)
--	--	--	--

Note Custom Kelvins available upon request*



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SL7.5 – DW – Outdoor

Diffusion LED Strip

18 W/M (5 W/FT)
LED WATTS

234/M (70/FT)
LED/METER

IP67
IP RATING

95+
CRI

24V DC
POWER INPUT

Description

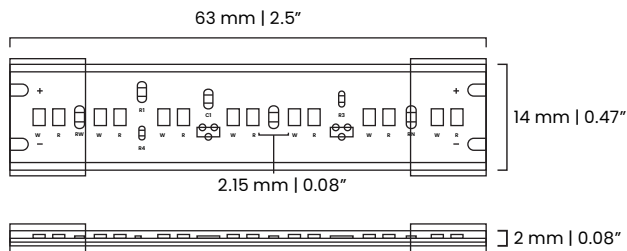
The Diffusion SL7.5-DW Outdoor is a flexible 14 mm wide linear LED strip. It offers dim-to-warm functionality, allowing you to create the perfect warm glow for any ambiance. It can cut every 14 LED chips (63 mm or 2.5 in)

*Custom lengths available upon request**

Specifications

WATTAGE	16.4 W/m (5 W/ft)	ENVIRONMENT	Sauna Approved
VOLTAGE	24 Volts DC	OPERATING TEMP	-40°C to 120°C
ROLL LENGTH	Custom Cut Only	CUTTING POINT	2.5 in
DIMMABLE	Yes	IP RATING	IP67
LAMP LIFE	50,000 hrs LM-80	WARRANTY	5 Year Warranty
CRI	95 + CRI		

Diagram



Ordering Information

ORDERING CODE	LENGTH	VOLTAGE	KELVIN
SL7.5-DW - OUT	XX CUSTOM CUT ONLY	24V	1800K - 3000K

Lumens

1800K - 3000K
≤ 1770 lm/m
(≤ 539 /ft)

Exact Kelvin Range Will Slightly Change

Note Custom Kelvins Ranges available upon request*



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SLC - 002S

Diffusion LED Channel



Description

The Diffusion SLC-002S is a low profile, anodized aluminum LED extrusion that comes complete with three clear mounting clips, two endcaps, and an opal polycarbonate lens.

*Note: Extra clips and endcaps are available by request
Powder coating can add up to 0.5 mm to the channel's width*

Application

- Coves
- Wardrobe
- Shelving
- Closets
- Top kitchen cabinet

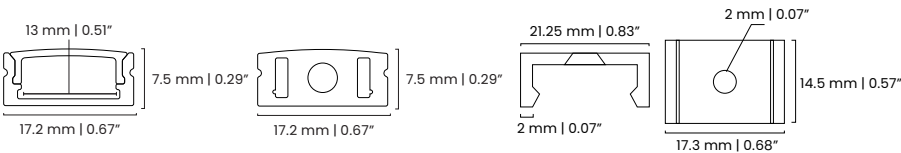
Specifications

CHANNEL	Anodized Aluminum Extrusion
LENS	Opal Polycarbonate, Heat Resistant, UV Stable and Shatter Resistant
LENGTH	8 ft (2.44 meters)
COLOR	Silver (Standard), White, Black, Antimicrobial Coating and Custom RAL
MOUNTING CLIP MATERIAL	Plastic
ENVIRONMENT	Indoor and Outdoor
WARRANTY	5 Year Warranty

Ordering Information

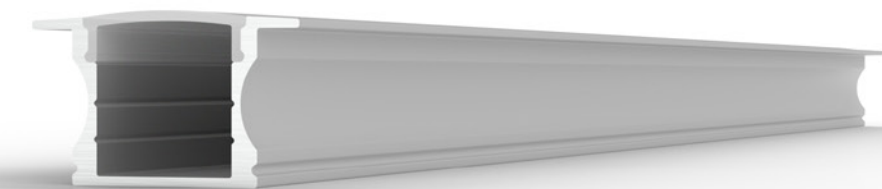
ORDERING CODE	COLOR
SLC - 002S	XX
	Blank (Silver) WH BK Custom RAL

Diagram



SLC – 003R

Diffusion LED Channel



Description

The Diffusion SLC-003R is a recessed, anodized aluminum LED extrusion that comes complete with three clear mounting clips, two endcaps, and an opal polycarbonate lens.

*Note: Extra clips and endcaps are available by request
Powder coating can add up to 0.5 mm to the channel's width*

Application

- Drywall
- Wall surface
- Furniture
- Shelving
- Kitchen cabinets
- Recessed

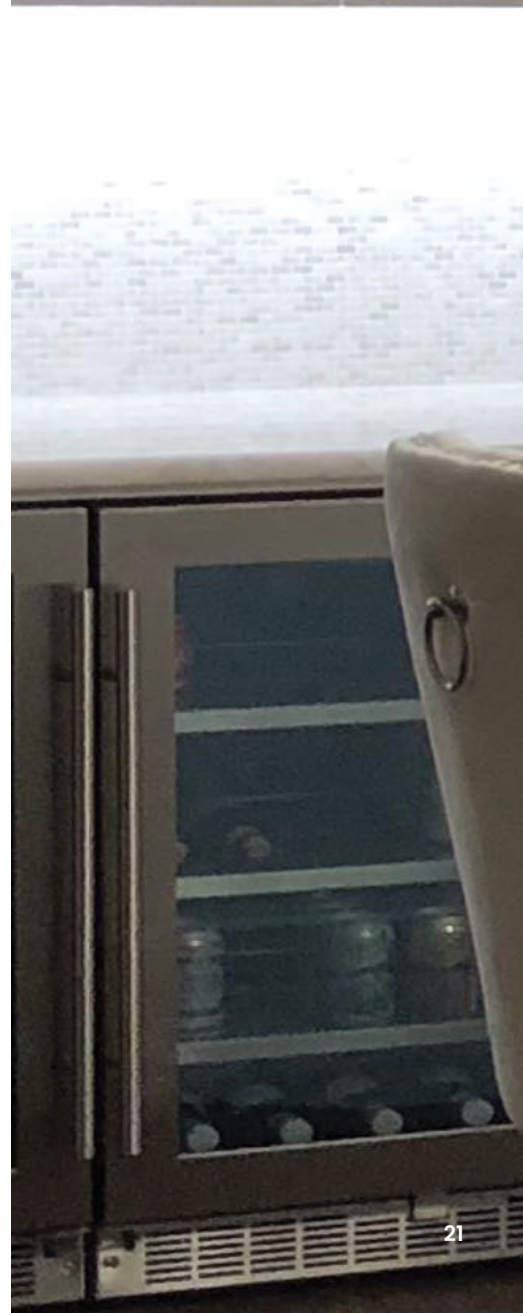
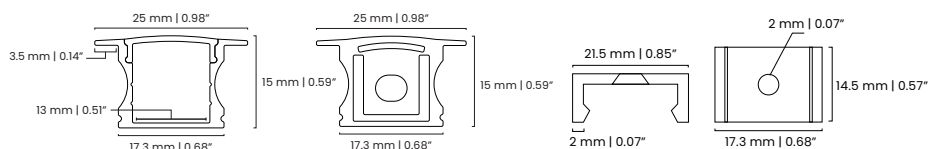
Specifications

CHANNEL	Anodized Aluminum Extrusion
LENS	Opal Polycarbonate, Heat Resistant, UV Stable and Shatter Resistant
LENGTH	8 ft (2.44 meters)
COLOR	Silver (Standard), White, Black, Antimicrobial Coating and Custom RAL
MOUNTING CLIP MATERIAL	Plastic
ENVIRONMENT	Indoor and Outdoor
WARRANTY	5 Year Warranty

Ordering Information

ORDERING CODE	COLOR
SLC – 003R	XX
	Blank (Silver)
	WH
	BK
	Custom RAL

Diagram





SLC – 007S

Diffusion LED Channel



Description

The Diffusion SLC-007S is a 45-degree, anodized aluminum LED extrusion that comes complete with three clear mounting clips, two endcaps, and an opal polycarbonate lens.

*Note: Extra clips and endcaps are available by request
Powder coating can add up to 0.5 mm to the channel's width*

Application

- Cove
- Wardrobe
- Shelving
- Kitchen cabinets

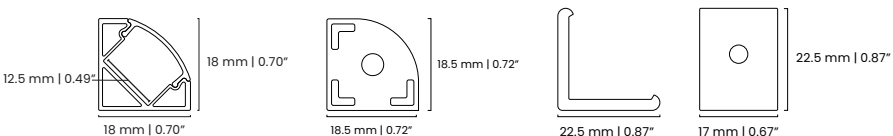
Specifications

CHANNEL	Anodized Aluminum Extrusion
LENS	Opal Polycarbonate, Heat Resistant, UV Stable and Shatter Resistant
LENGTH	8 ft (2.44 meters)
COLOR	Silver (Standard), White, Black, Antimicrobial Coating and Custom RAL
MOUNTING CLIP MATERIAL	Plastic
ENVIRONMENT	Indoor and Outdoor
WARRANTY	5 Year Warranty

Ordering Information

ORDERING CODE	COLOR
SLC – 007S	XX
	Blank (Silver)
	WH
	BK
	Custom RAL

Diagram



SLC - 402S

Diffusion LED Channel



Description

The Diffusion SLC-402S is narrow anodized aluminum LED extrusion that comes complete with three mounting hardware, two endcaps, and an extra thick opal polycarbonate lens for zero dotting.

*Note: Extra clips and endcaps are available by request
Powder coating can add up to 0.5 mm to the channel's width*

Application

- Platforms
- Niches
- Furniture
- Shelving
- Stairs

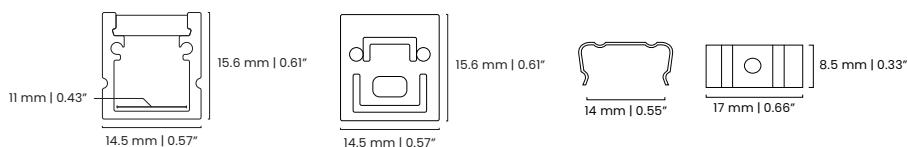
Specifications

CHANNEL	Anodized Aluminum Extrusion
LENS	Opal Polycarbonate, Heat Resistant, UV Stable and Shatter Resistant
LENGTH	8 ft (2.44 meters)
COLOR	Silver (Standard), White, Black, Antimicrobial Coating and Custom RAL
MOUNTING CLIP MATERIAL	Aluminum
ENVIRONMENT	Indoor and Outdoor
WARRANTY	5 Year Warranty

Ordering Information

ORDERING CODE	COLOR
SLC - 402S	XX
	Blank (Silver)
	WH
	BK
	Custom RAL

Diagram





SLC – 011S

Diffusion LED Channel



Description

The Diffusion SLC-011S is a two part, anodized aluminum LED extrusion that comes complete with two endcaps and an opal polycarbonate lens.

*Note: Extra clips and endcaps are available by request
Powder coating can add up to 0.5 mm to the channel's width*

Application

- Behind mirrors
- Kitchen cabinet
- Shelving
- Surface mount
- Wardrobe
- Closets

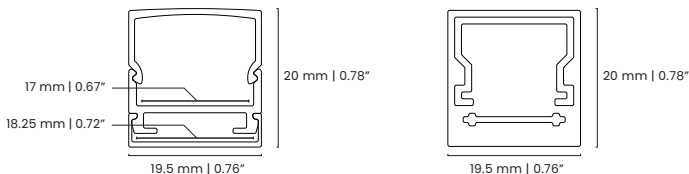
Specifications

CHANNEL	Anodized Aluminum Extrusion
LENS	Opal Polycarbonate, Heat Resistant, UV Stable and Shatter Resistant
LENGTH	8 ft (2.44 meters)
COLOR	Silver (Standard), White, Black, Antimicrobial Coating and Custom RAL
MOUNTING CLIP MATERIAL	Aluminum
ENVIRONMENT	Indoor and Outdoor
WARRANTY	5 Year Warranty

Ordering Information

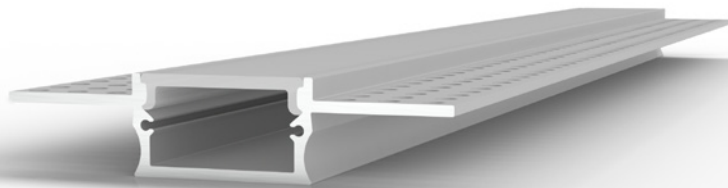
ORDERING CODE	COLOR
SLC – 011S	XX
	Blank (Silver) WH BK Custom RAL

Diagram



SLC-012T

Diffusion LED Channel



Description

The Diffusion SLC-012T is a trimless anodized aluminum channel that comes complete with two aluminum endcaps and an opal polycarbonate lens.

Note: Extra clips and endcaps are available by request

Application

- Drywall
- Flanges (can be cut off and installed in wood)

Specifications

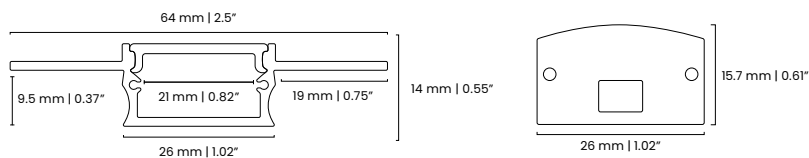
CHANNEL	Anodized Aluminum Extrusion
LENS	Opal Polycarbonate, Heat Resistant, UV Stable and Shatter Resistant
LENGTH	8 ft (2.44 meters)
ENVIRONMENT	Indoor and Outdoor
WARRANTY	5 Year Warranty

Ordering Information

ORDERING CODE

SLC - 012T

Diagram



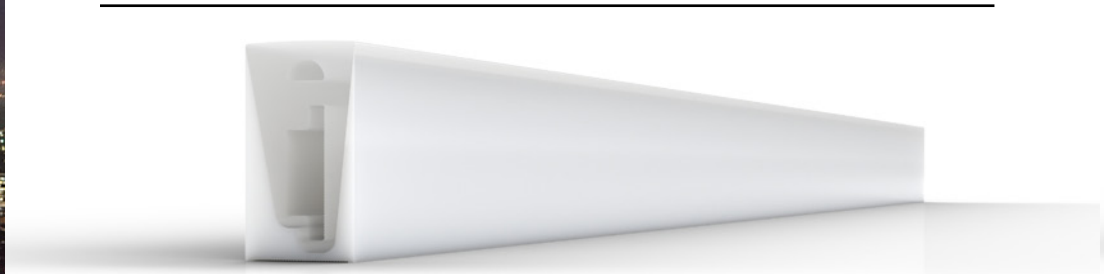
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SLC-026F

Diffusion LED Channel



Description

The Diffusion SLC-026F is a sideways flexible channel that comes complete with mounting hardware for curved applications.

Note: Extra clips and endcaps are available by request

Application

- Gardens
- Walkways
- Behind circle mirrors
- Curved applications
- Curved windows

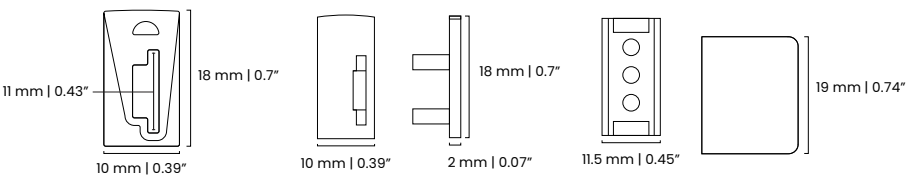
Specifications

CHANNEL	Flexible opal channel
LENS	Opal Polycarbonate, Heat Resistant, UV Stable and Shatter Resistant
LENGTH	Custom cut to order
MOUNTING CLIP MATERIAL	Aluminum
IP RATING	IP67
ENVIRONMENT	Indoor and Outdoor
WARRANTY	5 Year Warranty

Ordering Information

ORDERING CODE
SLC - 026F

Diagram



SLC-027F

Diffusion LED Channel



Description

The Diffusion SLC-027F is an up and down flexible channel that comes complete with mounting hardware for curved applications.

Note: Extra clips and endcaps are available by request

Application

- Gardens
- Walkways
- Behind circle mirrors
- Curved applications
- Curved windows

Specifications

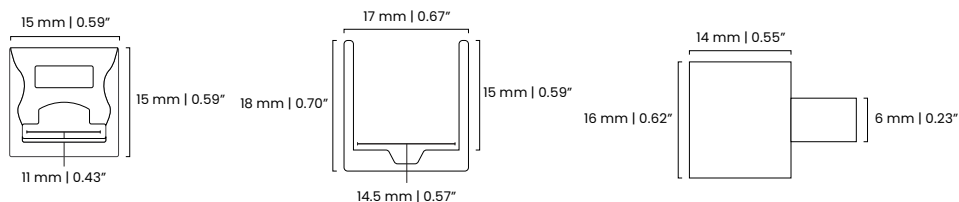
CHANNEL	Flexible opal channel
LENS	Opal Polycarbonate, Heat Resistant, UV Stable and Shatter Resistant
LENGTH	Custom cut to order
MOUNTING CLIP MATERIAL	Aluminum
IP RATING	IP67
ENVIRONMENT	Indoor and Outdoor
WARRANTY	5 Year Warranty

Ordering Information

ORDERING CODE

SLC - 027F

Diagram

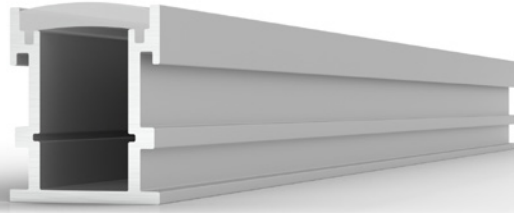


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SLC-034R

Diffusion LED Channel



Description

The Diffusion SLC-034R is an in-floor, anodized aluminum channel that comes complete with two endcaps, and a 3mm thick opal polycarbonate lens.

*Note: Extra clips and endcaps are available by request
Use Outdoor Ribbon for exterior or walk over applications
Powder coating can add up to 0.5 mm to the channel's width*

Application

- Walkways
- Driveways
- Exterior and or Interior use
- Stairs
- Niches

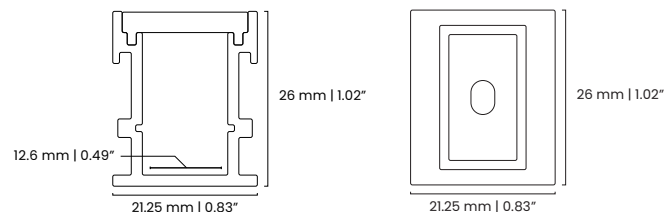
Specifications

CHANNEL	Anodized Aluminum Extrusion
LENS	Opal Polycarbonate, Heat Resistant, UV Stable and Shatter Resistant
LENGTH	8 ft (2.44 meters)
COLOR	Silver (Standard), White, Black, Antimicrobial Coating and Custom RAL
MOUNTING CLIP MATERIAL	Aluminum
ENVIRONMENT	Indoor and Outdoor
WARRANTY	5 Year Warranty

Ordering Information

ORDERING CODE	COLOR
SLC - 034R	XX
	Blank (Silver)
	WH
	BK
	Custom RAL

Diagram



SLC-037C

Diffusion LED Channel



Description

The Diffusion SLC-037C is an anodized aluminum LED extrusion closet rod that comes with a 1.25 mm thick opal polycarbonate lens for zero dotting.

Note: The weight limit is dependent on what the end caps are being mounted to.

-The closet rod on its own can handle 50kg/ft.

-End fitting and center support are sold separately.

-Powder coating can add up to 0.5 mm to the channel's width

Application

- Closets
- Suspended fixture - with modified components

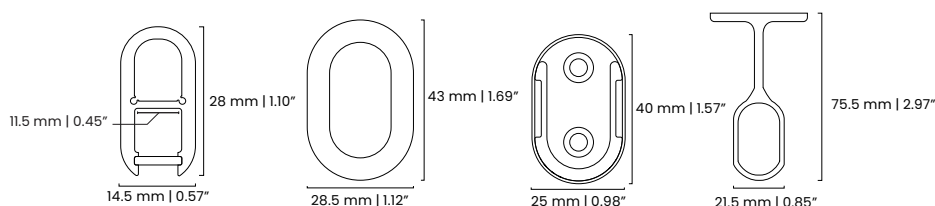
Specifications

CHANNEL	Anodized Aluminum Extrusion
LENS	Opal Polycarbonate, Heat Resistant, UV Stable and Shatter Resistant
LENGTH	8 ft (2.44 meters)
COLOR	Silver (Standard), White, Black, Antimicrobial Coating and Custom RAL
MOUNTING CLIP MATERIAL	Aluminum
ENVIRONMENT	Indoor and Outdoor
WARRANTY	5 Year Warranty

Ordering Information

ORDERING CODE	COLOR
SLC - 037C	XX
	Blank (Silver) WH BK Custom RAL

Diagram





SLC-050SPWH

Diffusion LED Channel



Description

The Diffusion SLC-050SP is a surface/pendant mount aluminum LED extrusion with an opal polycarbonate lens.

*Note: Dual row led is required
Extra clips and endcaps are available by request
Powder coating can add up to 0.5 mm to the channel's width*

Application

- Surface mount
- Suspended fixture
- Halls
- Workshops
- Libraries
- Restaurant

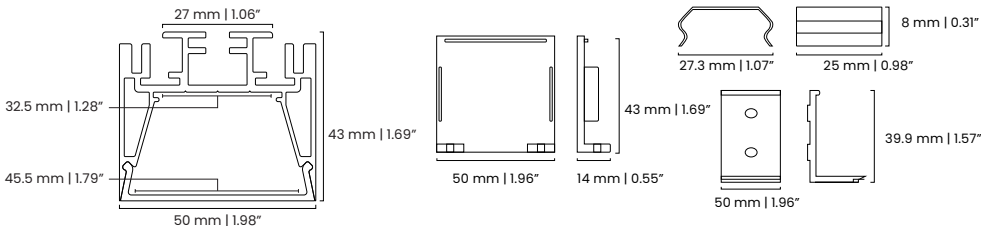
Specifications

CHANNEL	Anodized Aluminum Extrusion
LENS	Opal Polycarbonate, Heat Resistant, UV Stable and Shatter Resistant
LENGTH	8 ft (2.44 meters)
COLOR	White (Standard), Black, Antimicrobial Coating and Custom RAL
MOUNTING CLIP MATERIAL	Aluminum
ENVIRONMENT	Indoor and Outdoor
WARRANTY	5 Year Warranty

Ordering Information

ORDERING CODE	COLOR
SLC - 050SPWH	XX
	WH BK Custom RAL

Diagram

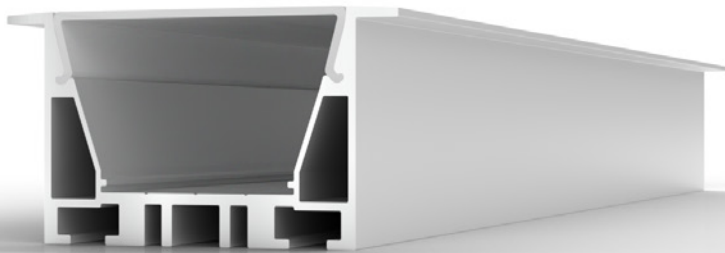


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SLC-065RWH

Diffusion LED Channel



Description

The Diffusion SLC-065R is a recessed mount aluminum LED extrusion with an opal polycarbonate lens.

Note: Dual row led is required

Extra clips and endcaps are available by request

Powder coating can add up to 0.5 mm to the channel's width

Application

- Halls
- Workshops
- Ballrooms
- Classrooms
- Doctors offices
- Recessed in drywall

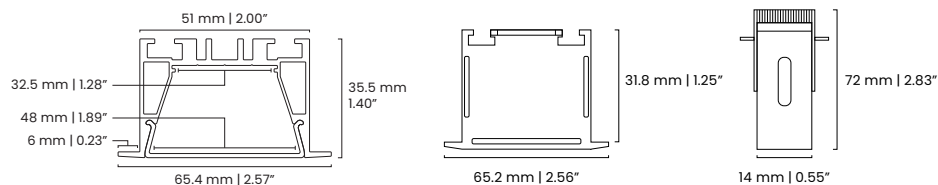
Specifications

CHANNEL	Anodized Aluminum Extrusion
LENS	Opal Polycarbonate, Heat Resistant, UV Stable and Shatter Resistant
LENGTH	8 ft (2.44 meters)
COLOR	White, Black, Antimicrobial Coating and Custom RAL
MOUNTING CLIP MATERIAL	Aluminum
ENVIRONMENT	Indoor and Outdoor
WARRANTY	5 Year Warranty

Ordering Information

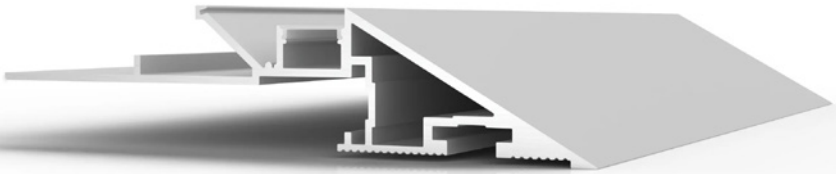
ORDERING CODE	COLOR
SLC - 065RWH	XX
	WH BK Custom RAL

Diagram



SLC-098KE

Diffusion LED Channel



Description

The Diffusion SLC-098KE is an anodized aluminum LED extrusion knife edge profile (Joiners & acrylic lenses sold separately).

Application

- Edgeless covers

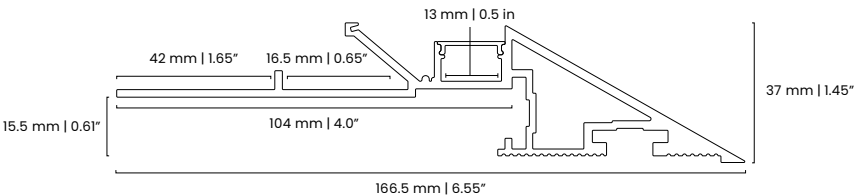
Specifications

CHANNEL	Anodized Aluminum Extrusion
LENS	Opal Polycarbonate, Heat Resistant, UV Stable and Shatter Resistant
LENGTH	8 ft (2.44 meters)
COLOR	Silver (Standard), White, Black, Antimicrobial Coating and Custom RAL
MOUNTING CLIP MATERIAL	Aluminum
ENVIRONMENT	Indoor and Outdoor
WARRANTY	5 Year Warranty

Ordering Information

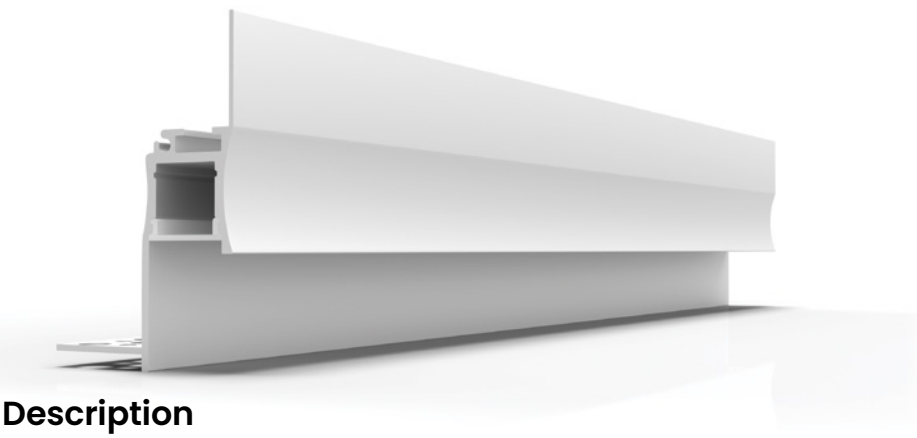
ORDERING CODE	COLOR
SLC - 098KE	XX Blank (Silver)

Diagram



SLC – 090TWH

Diffusion LED Channel



Description

The SLC-090T Diffusion Trimless Perimeter Edge Channel is a trimless channel made of anodized aluminum, with an opal polycarbonate lens that comes complete with two endcaps. Powder coating can add up to 0.5 mm to the channel's width

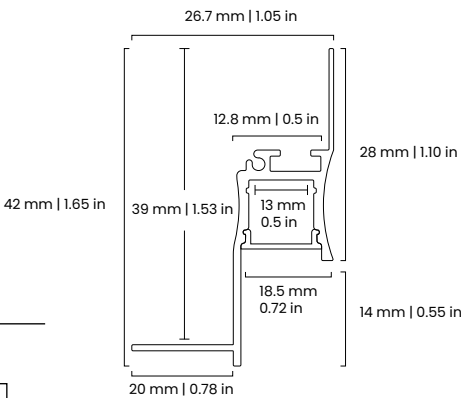
Application

- Wall perimeter lighting
- In-ceiling lighting
- In ceilings or walls

Specifications

CHANNEL	Anodized Aluminum Extrusion
LENS	Opal Polycarbonate, Heat Resistant, and Shatter Resistant.
LENGTH	8 ft (2.44 meters)
COLOR	White (Standard), Black, Antimicrobial Coating and Custom RAL
WARRANTY	5 Year Warranty

Diagram



Ordering Information

ORDERING CODE	COLOR
SLC – 090T	XX
	WH
	BK
	Custom RAL



SLC – Micron – 102S

Diffusion LED Channel



Description

The Diffusion SLC-Micron-102S is a narrow 10 mm anodized aluminum channel that comes complete with mounting hardware, two grey end caps, and an extra thick opal polycarbonate lens for zero dotting.

*Note: Only compatible with Micron Series LED Ribbon
Powder coating can add up to 0.5 mm to the channel's width*

Application

- Platforms
- Stairs
- Shelving
- Furniture
- Niches

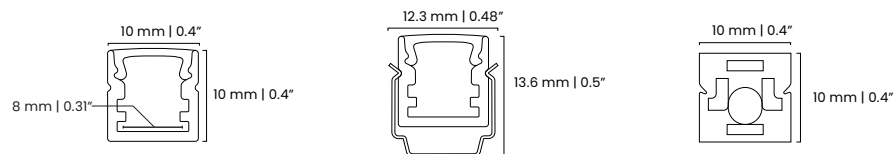
Specifications

CHANNEL	Anodized Aluminum Extrusion
LENS	Opal Polycarbonate, Heat Resistant, UV Stable and Shatter Resistant
LENGTH	8 ft (2.44 meters)
COLOR	Silver (Standard), White, Black, Antimicrobial Coating and Custom RAL
MOUNTING CLIP MATERIAL	Aluminum
WARRANTY	5 Year Warranty

Ordering Information

ORDERING CODE	COLOR
SLC – MICRON – 102S	XX
	Blank (Silver)
	WH
	BK
	Custom RAL

Diagram



Note: installing a lens on micron channels can be difficult and may require patience.

SLC – Micron – 107S

Diffusion LED Channel



Description

The Diffusion SLC-Micron-107S is a narrow 10 mm 45-degree anodized aluminum channel that comes complete with mounting hardware, end caps, and an opal polycarbonate lens for zero dotting.

*Note: Only compatible with Micron Series LED Ribbon
Powder coating can add up to 0.5 mm to the channel's width*

Application

- Shelving
- Furniture
- Stairs
- Platforms
- Kitchen Cabinets
- Niches

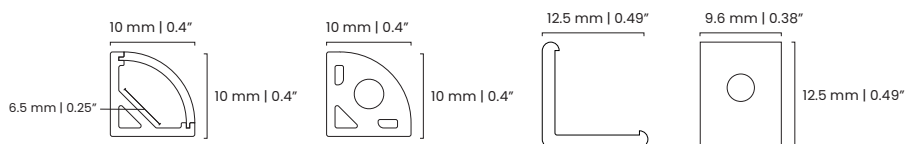
Specifications

CHANNEL	Anodized Aluminum Extrusion
LENS	Opal Polycarbonate, Heat Resistant, UV Stable and Shatter Resistant
LENGTH	8 ft (2.44 meters)
COLOR	Silver (Standard), White, Black, Antimicrobial Coating and Custom RAL
MOUNTING CLIP MATERIAL	Plastic
WARRANTY	5 Year Warranty

Ordering Information

ORDERING CODE	COLOR
SLC – MICRON – 107S	XX
	Blank (Silver)
	WH
	BK
	Custom RAL

Diagram



Note: installing a lens on micron channels can be difficult and may require patience.



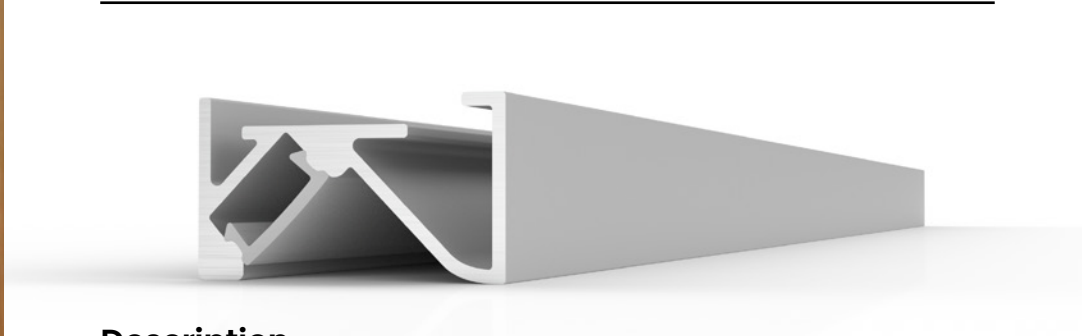
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SLC – Micron – 213R

Diffusion LED Channel



Description

The Diffusion SLC-Micron-213R is a narrow 45° angle anodized aluminum channel that comes complete with mounting hardware, two gray end caps, and an opal polycarbonate lens for zero dotting.

*Note: Only compatible with Micron Series LED Ribbon
Powder coating can add up to 0.5 mm to the channel's width*

Application

- Shelving
- Kitchen cabinet
- Recessed
- Furniture

Specifications

CHANNEL	Anodized Aluminum Extrusion
LENS	Opal Polycarbonate, Heat Resistant, UV Stable and Shatter Resistant
LENGTH	8 ft (2.44 meters)
COLOR	Silver (Standard), White, Black, Antimicrobial Coating and Custom RAL
MOUNTING CLIP MATERIAL	Aluminum
WARRANTY	5 Year Warranty

Ordering Information

ORDERING CODE	COLOR
SLC – MICRON – 213R	XX
	Blank (Silver)
	WH
	BK
	Custom RAL

Diagram



Note: Installing a lens on micron channels can be difficult and may require patience.

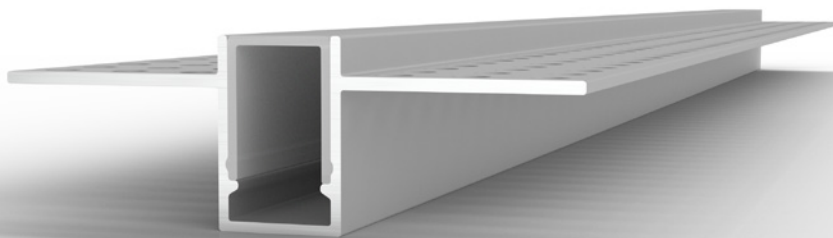


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SLC-Micron-006T

Diffusion LED Channel



Description

The Diffusion SLC-Micron-006T is a narrow 10 mm trimless anodized aluminum channel that comes complete with mounting hardware, end caps, and an opal polycarbonate lens for zero dotting and it offers lens options for both flush and regressed installations.

*Note: Includes filler foam
Only compatible with Micron Series LED Ribbon*

Application

- Drywall
- Flanges (can be cut off and installed in wood)

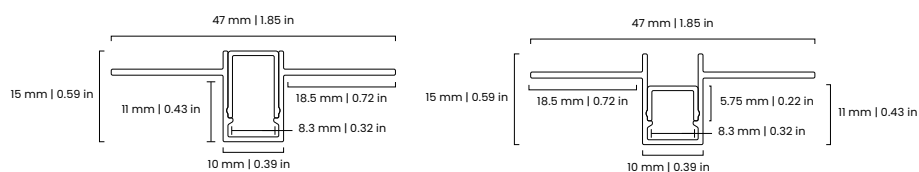
Specifications

CHANNEL	Anodized Aluminum Extrusion
LENS	Opal Polycarbonate, High Heat Resistant, UV Stable and Shatter Resistant
LENGTH	8 ft (2.44 meters)
COLOR	Silver (Standard)
WARRANTY	5 Year Warranty

Ordering Information

ORDERING CODE	LENS	COLOR
SLC - MICRON-006T	XX Recessed Flush	XX Blank (Silver)

Diagram

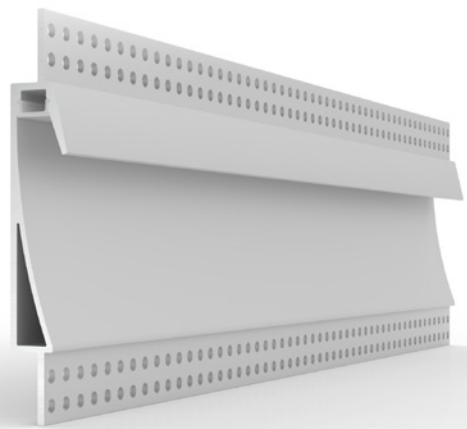


Note: installing a lens on micron channels can be difficult and may require patience.



SLC – Micron-085T

Diffusion LED Channel



Description

The SLC-085T Diffusion Trimless Wall Channel is a trimless channel made of anodized aluminum, with an opal polycarbonate lens that comes complete with two endcaps.

*Note: Only compatible with Micron Series LED Ribbon
Powder coating can add up to 0.5 mm to the channel's width*

Application

- Accent Lighting
- In-cove lighting
- In ceilings or walls

Specifications

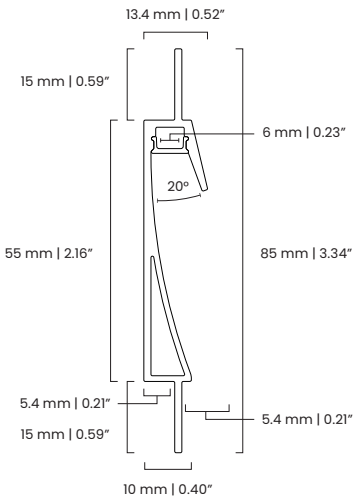
CHANNEL	Anodized Aluminum Extrusion
LENS	Opal Polycarbonate, Heat Resistant, and Shatter Resistant.
LENGTH	8 ft (2.44 meters)
COLOR	White (Standard), Black, Antimicrobial Coating and Custom RAL
WARRANTY	5 Year Warranty

Diagram

Ordering Information

ORDERING CODE	COLOR
SLC-MICRON-085T	XX
	Blank (White) BK Custom RAL

Note: installing a lens on micron channels can be difficult and may require patience.

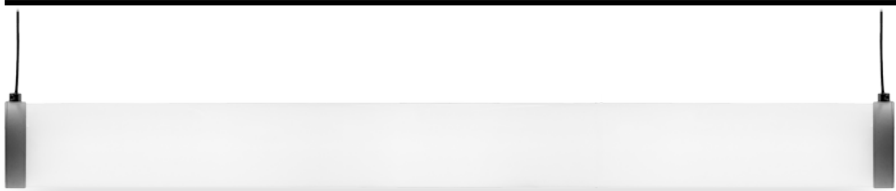


diffusionlighting.com
1-(866)-RJCROSS (752-7677)



Perch Series

Diffusion Perch



Description

The Diffusion Perch Series is a full 360-degree illumination fixture. It comes up to 9 w/ft, and is approx 900 lumens per ft.

Note: Optional Suspension Kits are available

Application

- Suspended Fixture
- Halls
- Ballrooms
- Libraries
- Restaurants
- And many more

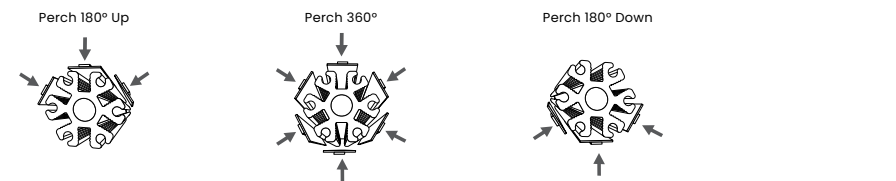
Specifications

LENS	2.3" Diameter, Opal Polycarbonate, Heat Resistant, and Shatter Resistant					
COLOR	White, Black, and Custom RAL					
ORIENTATION	Suspended Vertically or Horizontally					
MODELS	Perch 360°, Perch 180° Up and Perch 180° Down					
WARRANTY	5 Year Warranty					

Ordering Information

FIXTURE	ORIENTATION	CHANNEL COLOR	MODELS	FIXTURE LENGTH	SUSPENSION LENGTH	SUSPENSION KIT
PERCH	XX VER HORZ	XX BK WH	XX 360° 180° Down 180° Up	XX Up to 8' Without Joiner More than 8' with Joiners	XX XX/FT	XX JB-5-SG (WH/BK/NK) TB-S-LG (WH/BK/NK) WC-2-SG (WH/BK/NK) CT-SG (NK)

Perch Models



Lumens

2700K 2687 lm/m (805 lm/ft)	3000K 2841 lm/m (851 lm/ft)	3400K 3005 lm/m (900 lm/ft)	4100K 3175 lm/m (951 lm/ft)
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Note Custom Kelvins available upon request*



DLMULTI-024 Series

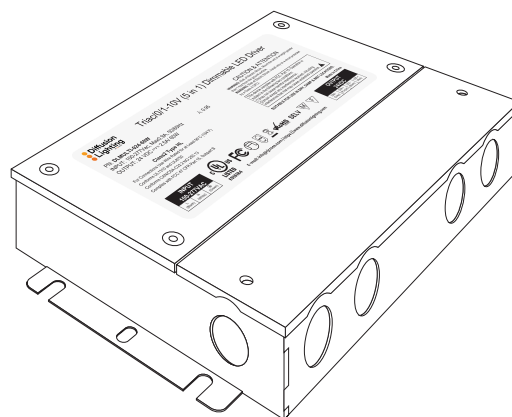
Diffusion LED Driver

Description

Diffusion DLMULTI-024 Series are Dimmable LED Drivers that work with Forward / Reverse phase, ELV, Triac, or 0-10V Dimmers.

Features

- Protection from short circuits, over current and over voltage
- Internal self-reset mini breakers
- Compatible with virtually every style dimmer
- Flicker-free ~ 20,000 Hz
- Indoor/Outdoor
- High Efficiency
- Working Temp: -40° C to 80° C
- Wet location rated



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
TITLE	WATTAGE	OUTPUT CURRENT	DRIVER DIMENSION	KNOCK OUTS	
DLMULTI-024-30W	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 <i>1/2" won't fit</i>	
DLMULTI-024-60W	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 <i>1/2" won't fit</i>	
DLMULTI-024-100W	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	
DLMULTI-024-150W	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	
DLMULTI-024-200W	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	
DLMULTI-024-300W	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	
DLMULTI-024-192W-2T	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	
DLMULTI-024-288W-3T	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	
DLMULTI-024-384W-4T	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	

DLDA-024 Series

Dali Dimmable Driver

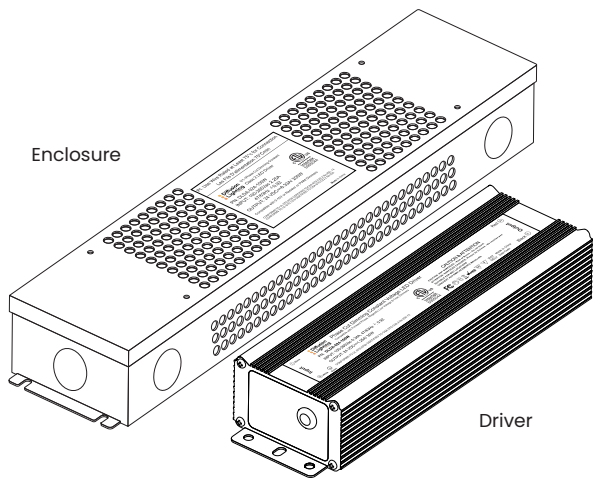
Description

The Diffusion DLDA-024 Driver is an IP67 waterproof Dali dimming constant voltage electronic driver that is designed to be used indoors or outdoors. It includes a metal enclosure and is ideal for commercial and residential applications.

Note: DLDA-024-30W Driver is rated for indoors only

Features

- IP67 waterproof, designed for indoors and outdoors
- Suitable for dry & damp location
- Metal enclosure included
- Dali Compliant



Specifications

INPUT VOLTAGE	100-265V AC	ENVIRONMENT	Indoor and Outdoor
OUTPUT VOLTAGE	24V DC	LOAD CAPABILITIES	80% - 90%
DIMMING RANGE	0-100%	IP RATING	NEMA 4X
DIMMABLE	Yes		

TITLE	WATTAGE	DRIVER DIMENSION	ENCLOSURE DIMENSION	KNOCK OUT
DLDA-024-30W	30W	182 mm L x 110 mm W x 41 mm H 7.16 in L x 4.33 in W x 1.61 in H	348 mm L x 78 mm W x 57 mm H 13.70 in L x 3.07 in W x 2.25 in H	Standard
DLDA-024-60W	60W	207 mm L x 70 mm W x 42.5 mm H 8.15 in L x 2.75 in W x 1.65 in H	378 mm L x 78 mm W x 57 mm H 14.88 in L x 3.07 in W x 2.25 in H	Standard
DLDA-024-100W	100W	228 mm L x 70 mm W x 42.5 mm H 8.97 in L x 2.75 in W x 1.67 in H	380 mm L x 78 mm W x 57 mm H 14.96 in L x 3.07 in W x 2.25 in H	Standard
DLDA-024-150W	150W	258 mm L x 78 mm W x 45.5 mm H 10.15 in L x 3.07 in W x 1.79 in H	410 mm L x 86 mm W x 60 mm H 16.14 in L x 3.38 in W x 2.36 in H	Standard

DL010-024-200VD

0-10V Dimmable Driver

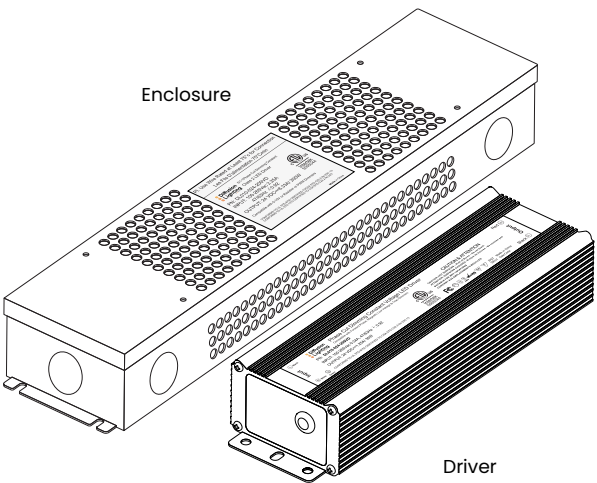
Description

The Diffusion DL010-Dimmable Driver series is a 0-10V constant voltage dimmable 24 V DC LED driver suitable for indoor lighting with protection from short circuits, overcurrent, and over-voltage.

Note: DL010-024-30VD Driver is rated for indoors only

Features

- Protection from short circuits, over current, and over voltage
- IP67 waterproof, designed for indoor and outdoor installation
- Wiring junction boxes built in for line and load



Specifications

WATTAGE	200W	DIMMING RANGE	0-100%
OUTPUT VOLTAGE	24V DC	LOAD CAPABILITIES	0%
DIMMABLE	Yes	ENVIRONMENT	Indoor and Outdoor
DIMMING FUNCTIONS	0-10V	IP RATING	IP 67

TITLE	WATTAGE	DRIVER DIMENSION	ENCLOSURE DIMENSION	KNOCK OUT
DL010-024-30VD	30W	180 mm L x 60 mm W x 34.5 mm H 7.03 in L x 2.36 in W x 1.35 in H	350 mm L x 78 mm W x 38 mm H 13.78 in L x 3.07 in W x 1.49 in H	Standard
DL010-024-60VD	60W	196 mm L x 70 mm W x 42 mm H 7.71 in L x 2.75 in W x 1.65 in H	347 mm L x 78 mm W x 56 mm H 13.66 in L x 3.07 in W x 2.20 in H	Standard
DL010-024-100VD	100W	228 mm L x 70 mm W x 43 mm H 8.97 in L x 2.75 in W x 1.65 in H	378 mm L x 78 mm W x 57 mm H 14.88 in L x 3.07 in W x 2.25 in H	Standard
DL010-024-200VD	200W	256 mm L x 77 mm W x 46 mm H 10.08 in L x 3.03 in W x 1.81 in H	408 mm L x 85 mm W x 57 mm H 16.06 in L x 3.34 in W x 2.25 in H	Standard

DLELD-024 Series

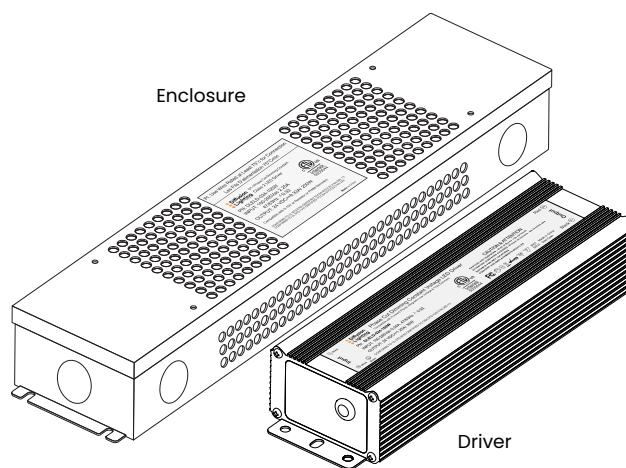
Triac Dimmable Driver

Description

The Diffusion DLELD-024 is a Triac dimming constant voltage electric driver that can be used with various dimmers. It includes a metal enclosure and is ideal for commercial and residential applications.

Features

- Protection from short circuits, over-current, and over-voltage
- Wiring junction boxes built in for line and load
- Compatible with various dimmers
- Suitable for dry & damp locations
- Metal enclosure included



Specifications

WATTAGE	150W	DIMMING RANGE	0-100%
OUTPUT VOLTAGE	24V DC	LOAD CAPABILITIES	0%
DIMMABLE	Yes	ENVIRONMENT	Indoor and Outdoor Rated
INPUT VOLTAGE	100 – 130V AC	IP RATING	IP 67
DIMMING FUNCTIONS	0-10V		

TITLE	WATTAGE	DRIVER DIMENSION	ENCLOSURE DIMENSION	KNOCK OUT
DLELD-024-24W	24W	155 mm L x 54 mm W x 20 mm H 6.10 in L x 2.12 in W x 0.78 in H	350 mm L x 78 mm W x 38 mm H 13.78 in L x 3.07 in W x 1.49 in H	Standard
DLELD-024-48W	48W	178 mm L x 61 mm W x 24 mm H 7.00 in L x 2.40 in W x 0.94 in H	350 mm L x 78 mm W x 38 mm H 13.78 in L x 3.07 in W x 1.49 in H	Standard
DLELD-024-60W	60W	180 mm L x 57.5 mm W x 35 mm H 7.08 in L x 2.26 in W x 1.37 in H	348 mm L x 78 mm W x 57 mm H 13.70 in L x 3.07 in W x 2.25 in H	Standard
DLELD-024-100W	100W	229 mm L x 70 mm W x 43 mm H 9.01 in L x 2.75 in W x 1.69 in H	377 mm L x 78 mm W x 57 mm H 14.84 in L x 3.07 in W x 2.25 in H	Standard
DLELD-024-150W	150W	258 mm L x 78 mm W x 46 mm H 10.15 in L x 3.07 in W x 1.81 in H	410 mm L x 86 mm W x 60 mm H 16.14 in L x 3.38 in W x 2.36 in H	Standard
DLELD-024-200W	200W	258 mm L x 78 mm W x 46 mm H 10.15 in L x 3.07 in W x 1.81 in H	410 mm L x 86 mm W x 60 mm H 16.14 in L x 3.38 in W x 2.36 in H	Standard

DLND-24V Series

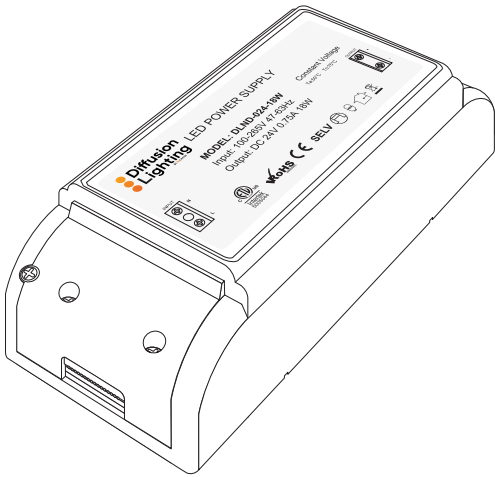
Non-Dimmable Driver

Description

The Diffusion LED Driver DLND-024V is an electronic non-dimmable driver, housed in a plastic enclosure and is IP20 rated.

Features

- No junction box required
- Rated for Indoor use only
- Available in DLND-24V-18W and DLND-24V-36W



Specifications

INPUT VOLTAGE	120V 60Hz	ENVIRONMENT	Indoor Only
OUTPUT VOLTAGE	24V DC	OPERATING TEMP	-40°C to 80°C
DIMMABLE	No	IP RATING	IP20

	WATTAGE	DRIVER DIMENSION	Enclosure	KNOCK OUT
DLND-024V-18W	30W	115 mm L x 45 mm W x 27.5 mm H 4.52 in L x 1.77 in W x 1.08 in H	360 mm L x 78 mm W x 57 mm H 14.15 in L x 3.0 in W x 2.25 in H	Standard
DLND-024V-36W	60W	140 mm L x 45 mm W x 27.5 mm H 5.51 in L x 1.77 in W x 1.08 in H	360 mm L x 78 mm W x 57 mm H 14.15 in L x 3.0 in W x 2.25 in H	Standard

Door-Hand Sensor

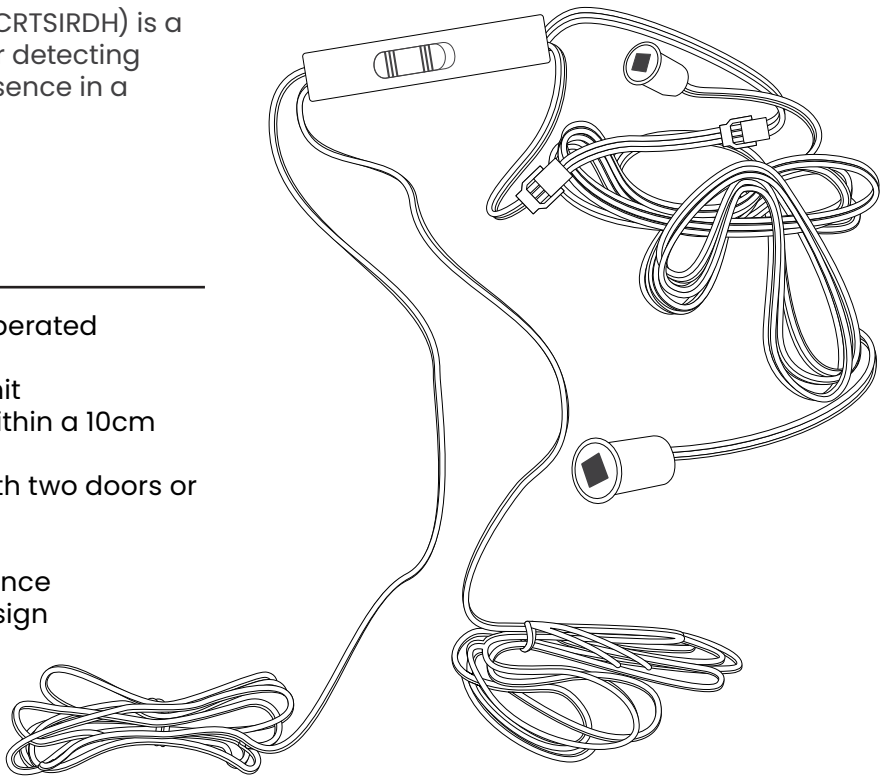
Diffusion Accessories

Description

The Diffusion Door-Hand Sensor (CRTSIRDH) is a versatile and practical solution for detecting hand movements and object presence in a wide range of applications.

Features

- Interchangeable door/hand-operated multi-sensor switch
- 1 or 2 detectors in the sensor unit
- LED light that switches on/off within a 10cm detection range
- Perfect for use in wardrobes with two doors or sliding doors
- Easy to use and install
- Reliable and efficient performance
- Compact and user-friendly design



Specifications

INPUT VOLTAGE	24V DC
LOADING POWER	4A Max
INSTALLATION	Recessed Mounting
DETECTION RANGE	≤ 10 cm
COLOR	Black, White
WARRANTY	5 Year Warranty

Switches Dimmable Touch Sensor

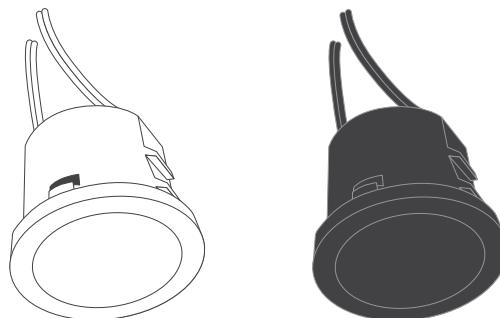
Diffusion Accessories

Description

The Diffusion CRTT04B/CRTT04W - Dimming Touch Switch Sensors offer solutions to a wide range of applications with its Flush circular dimmable touch switch and it is available in black and white.

Features

- Compatibility with a wide range of fixtures
- Easy installation
- Reliable and efficient performance
- Compact and user-friendly design
- Durable construction



Dimensions

Diameter: 22 mm (0.86 in)

Hole required is 18 mm (0.70) diameter

Specifications

INPUT VOLTAGE	24V DC
LOADING POWER	8A Max
MATERIAL	Polymer-Based
COLOR	Black and White
ENVIRONMENT	Indoor Recommended

Micro Sensors

Diffusion Accessories

Description

Four unique sensors that can work inline, remote and/or be built into the channel itself.

Features

- Micro push button on/off only
- Touch with dimming and memory
- Proximity (swipe hand near sensor) on/off only
- PIR timed 6-70s

Dimensions

CRTSPIRIT PIR Motion Sensor

73 mm (2.87") L x 10 mm (0.39") W x 11.5 mm (0.45") H

CRTT03 Dimming Touch Switch

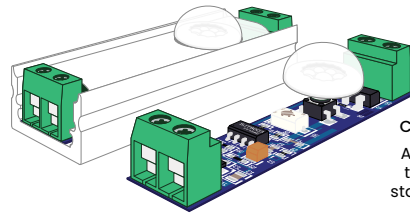
43 mm (1.69") L x 10 mm (0.39") W x 12 mm (0.47") H

CRTS01 Proximity Hand Sensor

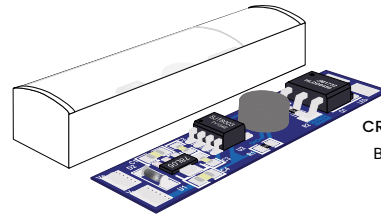
71 mm (2.79") L x 10 mm (0.39") W x 5.5 mm (0.21") H

CRTB01 Micro Button Switch

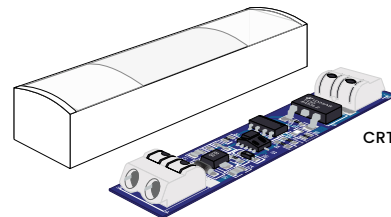
71 mm (2.79") L x 10 mm (0.39") W x 5.5 mm (0.21") H



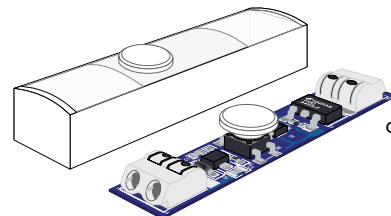
CRTSPIRIT PIR Motion Sensor
Adjustable timer controlling the length of time the lights stay on from 6 to 70 seconds.



CRTT03 Dimming Touch Switch
Blue light identifying where to touch to control. Hold to dim on/off.



CRTS01 Proximity Hand Sensor
On/off function only. Swipe hand past sensor to activate.



CRTB01 Micro Button Switch
One touch on/off switch.

Specifications

VOLTAGE	24 Volts DC
MAX INPUT AT LOAD	8 A
TYPE	Passive Infrared
ENVIRONMENT	Indoor Only
IP RATING	IP 20
WARRANTY	5 Year Warranty

SC-Connectors Series

Diffusion Accessories

Description

The SC10W01 and SC10W02 are designed to be used with SL6 Ribbon. They come with a 1.3mm hole and a 2.5mm hole, but they are also compatible with SL1 and SL3 Ribbons.

Features

- Solderless connections
- It can be used as a power feed by using your own cable
- Includes a compatible Screwdriver

Dimensions

Connector

10.2 mm (0.40") L x 10.0 mm (0.39") W x 7.7mm (0.30") H

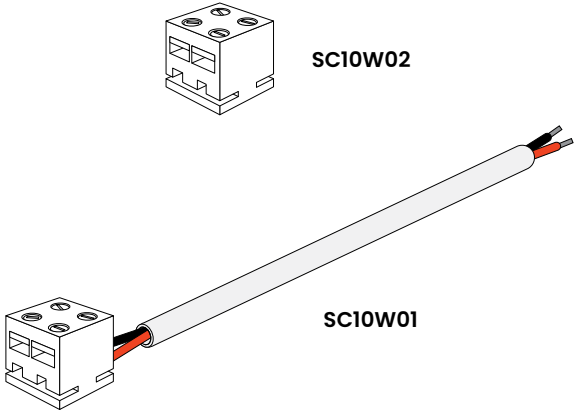
Notes

SC10W01 comes with a 6" power feed.

Specifications

COMPATIBILITY

SL6 Indoor, SL3 Indoor, SL1 Indoor



Clip Connectors

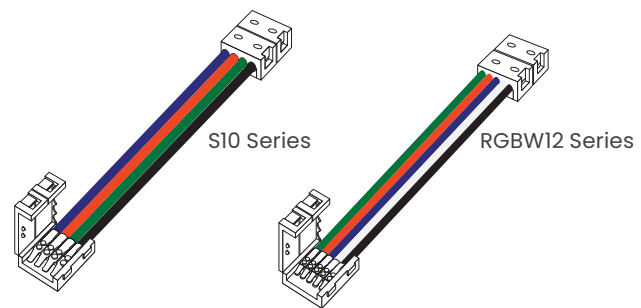
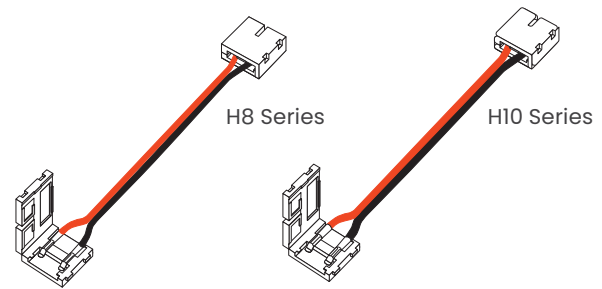
Diffusion Accessories

Description

Diffusion clip connectors are designed to be user friendly and versatile enough to be used in almost any application.

Features

- Solderless connections
- Clips closed and firmly holds the ribbon in place
- No special connectors or hardware required



Specifications

H8 SERIES	8 mm inner width Compatible with SL3-Indoor and SL1-Indoor
H10 SERIES	10 mm inner width Compatible with SL6-Indoor and SL7.5-Indoor
S10 SERIES	10mm inner width Compatible with RGB-Indoor
RGBW12 SERIES	12mm inner width Compatible with RGBW-Indoor

Pendant Mount

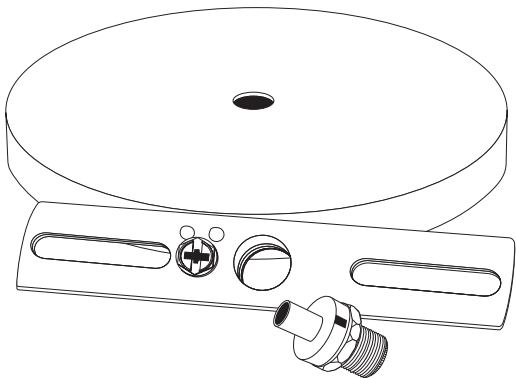
Diffusion Accessories

Description

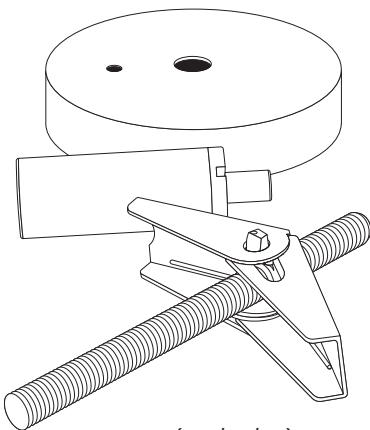
The Diffusion Pendant Mounts are accessories for suspending Diffusion pendant fixtures. Featuring a modern and sleek design, they are suitable for both residential and commercial lighting projects.

Features

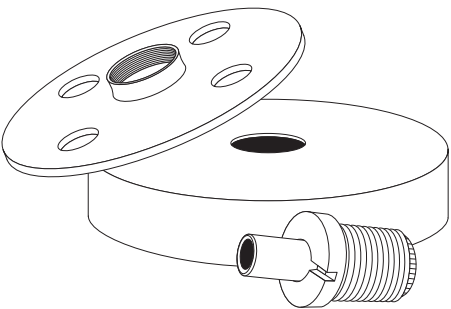
- Mounting Hardware Included
- Easy to install
- Durable construction



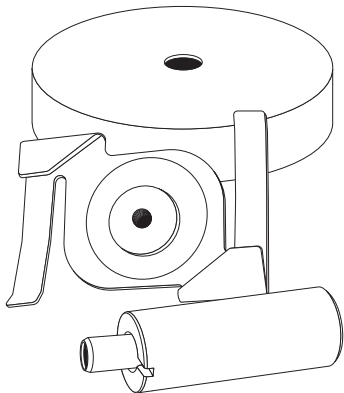
JB-5-SG-(WH/BK/NK)



BF-2-LG-(WH/BK/NK)



WC-2-SG-(WH/BK/NK)



TB-2-LG-(WH/BK/NK)

Specifications

COLOR	Black, White
MOUNTING	Pendant
MATERIAL	Aluminum
ENVIRONMENT	Indoor Recommended
WARRANTY	5 Year Warranty

LT-820-5A RGBW DMX Decoder

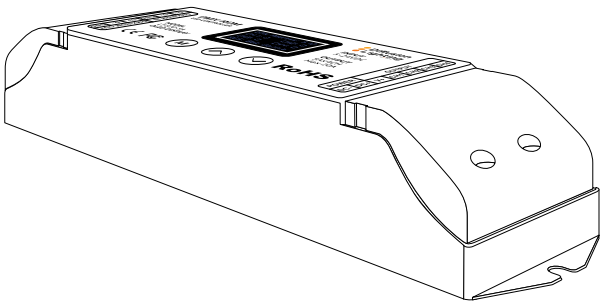
Diffusion LED Controller

Description

The Diffusion LT-820-5A RGBW DMX Controller is an OLED display DMX decoder.

Features

- OLED real-time display
- 16bit/8bit input
- Frame rate as high as 850FPS
- Built-in circuit protection
- 5A load per channel to a max of 20A
- Require electronic drivers only



Dimensions

Decoder

175 mm (6.8 in) L x 44 mm (1.7 in) W x 30 mm (1.1 in) H

Specifications

POWER INPUT	24V DC
MAX CURRENT LOAD	5A x 4 CH (Max 20A)
MAX OUTPUT POWER	480W @ 24V
DIMMING RANGE	0-100%

RGB(W) Remote & Controller

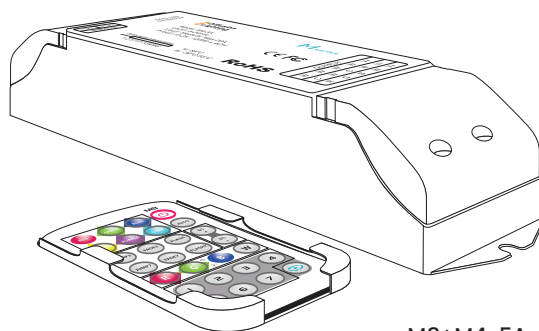
Diffusion LED Controller

Description

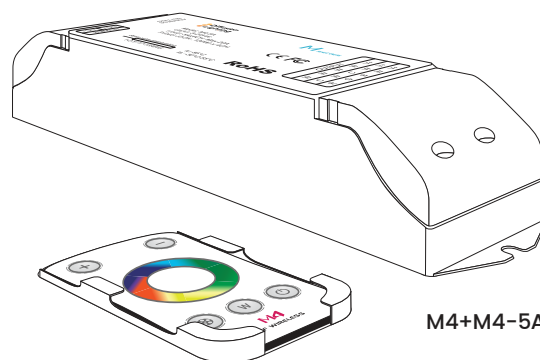
Diffusion RGB(W) Remote Controller is capable of controlling up to 10 different controllers at once at a distance of up to 50m away (unobstructed distance).

Features

- Designed to control multiple sections of RGB(W) ribbon lighting from a single remote
- Require electronic drivers only
- Wall mountable



M8+M4-5A
Interchangeable with M4 remote



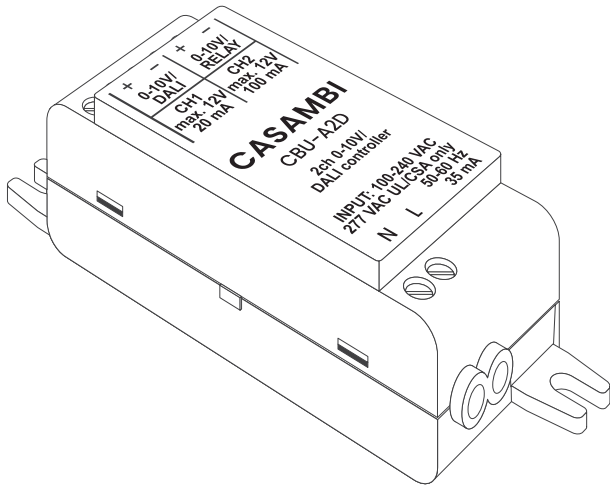
M4+M4-5A

Specifications

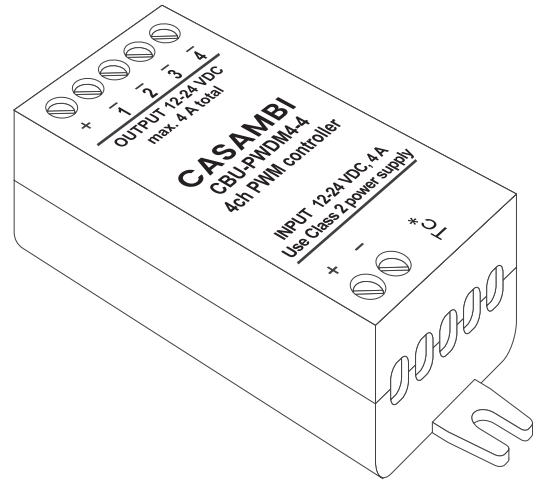
POWER INPUT				24V DC
MAX OUTPUT POWER				480W @ 24V
ENVIRONMENT				Indoor Only
IP RATING				IP 20
	MAX CURRENT LOAD	GRAYSCALE MAX	LED OUTPUT	CONTROLLER DIMENSION
M4+M4-5A	5A x 4 CH (Max 20A)	4096 x 4096 x 4096 x 4096	-	175 mm L x 44 mm W x 30 mm H 6.8 in L x 1.7 in W x 1.1 in H
M8+M4-5A	5A x 4 CH (Max 20A)	4096 x 4096 x 4096 x 4096	-	175 mm L x 44 mm W x 30 mm H 6.8 in L x 1.7 in W x 1.1 in H

Casambi LED and RGBW Controller

Diffusion Lighting is Casambi Ready



Casambi CBU-A2D



Casambi CBU-PWM4

Description

Casambi is a Bluetooth-enabled controller that operates on the 0-10V/DALI protocol, making it compatible with a wide range of LED drivers. It can also be used RGBW applications as well as dim to warm and more. The controller can be easily managed through the Casambi app and operated individually or as part of a mesh network consisting of up to 250 units.

Features

- Bluetooth 4.0 connectivity for wireless control via the Casambi app
- Universal input voltage range of 100-277 VAC
- Supports 0-10V control for 1-2 LED drivers or tunable white LED driver
- Configurable as a DALI controller for DALI LED drivers/sensors
- Enables standalone DALI output, acting as both controller and power supply
- Mesh network technology for extended range and network reliability

UX8 RGB(W) Wall Mount Touch Panel

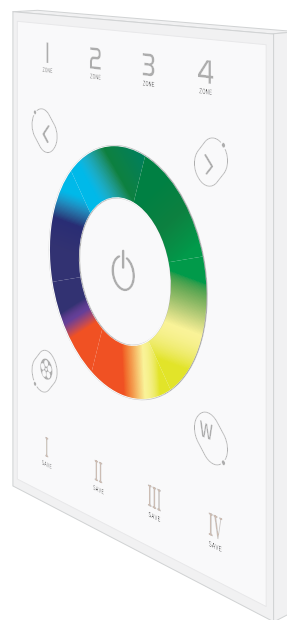
Diffusion LED Controller

Description

Diffusion UX8 RGB(W) Wall Mount touch panels are wall mountable and DMX controlled.

Features

- Easy install and remove design
- 8A per channel max 24A
- With audible buttons which can also be turned off
- Various modes, speed, dimming and multi zone control
- User programmable colour modes



Dimensions

Panel

145.8 mm (5.74 in) L x 105.9 mm (4.17 in) W x 10.4 mm (0.41 in) H

Specifications

COM. STANDARD	2.4Ghz WiFi, 802.11 b/g/n protocol
POWER INPUT	24V DC
MAX CURRENT LOAD	4A x 4CH Max 16A

WIFI-PLA104 WIFI CONTROLLER

Diffusion LED Controller

Description

Diffusion WIFI-PLA104 is a WiFi controller that enables users to control up to 12 different zones from any Android or IOS device.

Features

- Connect multiple WiFi controllers through a wireless router to increase the number of zones able to be controlled at once
- Direct connect or expand coverage using a wireless router
- Free App
- Require electronic drivers only

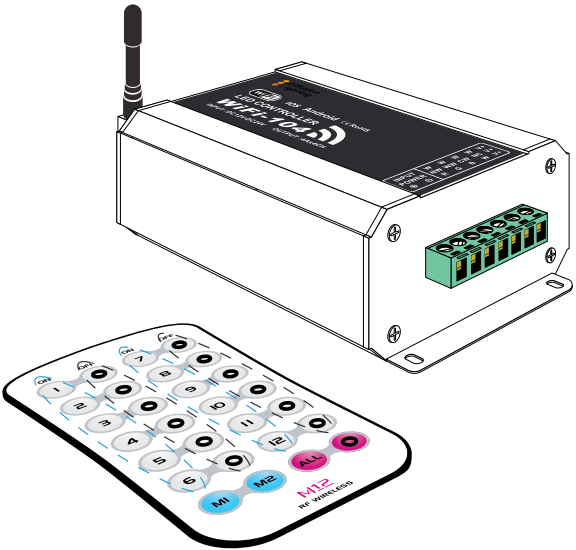
Dimensions

Controller

175 mm (6.8 in) L x 127.6 mm (5 in) W x 40 mm (1.5 in) H

Remote

104 mm (4 in) L x 60 mm (2.3 in) W x 10 mm (0.4 in) H



Specifications

COM. STANDARD	2.4Ghz WiFi, 802.11 b/g/n protocol
POWER INPUT	24V DC
MAX CURRENT LOAD	4A x 4CH Max 16A
CONTROL DISTANCE MAX	100m
COMPATIBLE WITH	R4-5A Receiver



Five Year Warranty

At Diffusion Lighting, we are dedicated to elevating lighting to new heights. Our commitment to quality and consistency is clear in every product we manufacture. Our One Bin Selection, 2-step MacAdam Ellipse, and Three Step Quality Test Control process are a testament to our unwavering pursuit of excellence. Our comprehensive 5-year warranty and dedication to customer satisfaction is further evidence of our commitment to delivering the best lighting experience possible. Trust us to bring quality and professionalism to your lighting needs.

One Bin Selection

At Diffusion Lighting, we understand the discerning nature of quality-conscious customers who demand the absolute best. Our One Bin Selection method embodies our commitment to unparalleled color consistency and exceptional quality in every product we manufacture. While other manufacturers may compromise on quality to cut costs, we take pride in delivering premium products at competitive prices.

Two-Step MacAdam Ellipse

Our two-step MacAdam Ellipse elevates us to the forefront of color accuracy in the industry. Our stringent adherence to a 2-step MacAdam ellipse, instead of the widely accepted 4-step, ensures that our products deliver a more precise and accurate representation of the color. This makes Diffusion Lighting the ideal choice for the most color-sensitive applications.

Three step Quality Test Control

To guarantee that our products are nothing short of perfect, we have implemented a Three Step Quality Test Control process. Each LED undergoes rigorous testing three times during production to guarantee its performance and quality. The testing is conducted after manufacture, after installation on custom PCB boards, and before shipping to ensure that each product meets our stringent quality standards.



Get In Touch

Our experienced team is here to illuminate your next project.
Contact us today to get started.

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