No two LED's can be exactly the same causing major issues with LED light output and color. This is why some products have large variations in color consistency. At Diffusion Lighting we use a One Bin Selection, meaning that all of our LEDs must fit within our extremely tight parameters in order to be included in our line. Most manufactures stay away from a One Bin Selection to save money or they charge a premium. This is just another reason Diffusion Lighting is set apart from their competition. We keep the price competitive, but do not sacrifice the quality.

MacAdam Ellipse is a region on a chromaticity diagram which contains all colors which are indistinguishable, to the average human eye, from the color at the center of the ellipse. The contour of the ellipse therefore represents the just noticeable differences of chromaticity. In simpler terms MacAdam Ellipse was developed to determine boundaries around target color points on the CIE chromaticity diagram whereby the source can deviate before the observer can perceive a difference in target color. MacAdam Ellipses were evolved to describe the "steps", which define standard deviations from the target point in all color directions. ANSI recommends that light engine manufactures stay within a "4 step" ellipse. We surpass ANSI's recommendations and most of our competitors in the market place with our 2 step MacAdam Ellipse.

At Diffusion Lighting we strive to keep our quality to the highest standards we can. So we have developed a 3Test Quality Control that happens from start to finish. This means that our LEDs get tested 3 times while our product is being constructed to ensure the end result is flawless. Our LEDs get thoroughly tested after originally being manufactured, get tested after being installed on our custom PCB board and finally get tested one last time before anything ships out. This process ensures your product is exactly what you expected and will match from one batch to the other.

Year Warranty

Here at Diffusion LED Lighting we truly stand behind our product. We offer an outstanding 5 year warranty and work extremely hard to make sure you and your customer are happy. In some cases we have even been known to warranty issues that are not even a result of Diffusion.
SL1 - Indoor Diffusion LED Strip

Description
Diffusion SL-1 is a flexible 8mm wide linear LED strip. It is available in 16’ and 100’ rolls that can be cut every 6 LEDs (100mm or 4˝).

Features
- 3M industrial strength adhesive tape
- Long life LED: 50,000 hrs
- Dimmable with dimming power supply
- 2’ power feeds on both ends of every roll

*Custom lengths available upon request*

Specifications
- LED: 4.8 W/m (1.5W/ft)
- Lamp Life: 50,000 hrs LM80
- LED/Meter: 60/m (18/ft)
- Power Input: 24V DC
- CRI > 91

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)
SL1 - Outdoor Diffusion LED Strip

Description
Diffusion SL-1 is a flexible 10mm wide linear LED strip. It is available in 16’ and 32’ rolls that can be cut every 6 LEDs (100mm or 4”).

Features
- Includes endcaps and mounting clips with screws
- Long life LED : 50,000 hrs
- Dimmable with dimming power supply
- 2´ power feeds on both ends of every roll
- IP67

*Custom lengths available upon request*

Specifications
- LED : 4.8 W/m (1.5W/ft)
- Lamp Life : 50,000 hrs LM80
- LED/Meter : 60/m (18/ft)
- Power Input : 24V DC
- CRI > 91

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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SL3 - Indoor Diffusion LED Strip

Description
Diffusion SL-3 is a flexible 8mm wide linear LED strip. It is available in 16´ and 100´ rolls that can be cut every 6 LEDs (50mm or 2”).

Features
- 3M industrial strength adhesive tape
- Long life LED : 50,000 hrs
- Dimmable with dimming power supply
- 2’ power feeds on both ends of every roll

*Custom lengths available upon request*

Specifications
- LED : 10 W/m (3 W/ft)
- Lamp Life : 50,000 hrs LM80
- LED/Meter : 120/m (36/ft)
- Power Input : 24V DC
- CRI > 91

Lumens
- 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)

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SL3 - Outdoor Diffusion LED Strip

Description
Diffusion SL-3 is a flexible 10mm wide linear LED strip. It is available in 16’ and 32’ rolls that can be cut every 6 LEDs (50mm or 2”).

Features
- Includes endcaps and mounting clips with screws
- Long life LED: 50,000 hrs
- Dimmable with dimming power supply
- 2’ power feeds on both ends of every roll
- IP67

*Custom lengths available upon request*

Specifications
- LED: 10 W/m (3 W/ft)
- Lamp Life: 50,000 hrs LM80
- LED/Meter: 120 lm/m (36/ft)
- Power Input: 24V DC
- CRI > 91

Lumens

<table>
<thead>
<tr>
<th>Kelvin</th>
<th>Lumens</th>
</tr>
</thead>
<tbody>
<tr>
<td>2700 K</td>
<td>788 lm/m (236 lm/ft)</td>
</tr>
<tr>
<td>3000 K</td>
<td>820 lm/m (252 lm/ft)</td>
</tr>
<tr>
<td>3400 K</td>
<td>876 lm/m (263 lm/ft)</td>
</tr>
<tr>
<td>4100 K</td>
<td>908 lm/m (279 lm/ft)</td>
</tr>
</tbody>
</table>

ORDERING CODE

- SL3-OUT
- Length: 16 ft, 32 ft
- Voltage: 24 Volt
- Kelvin: 2700 K, 3000 K, 3400 K, 4100 K
SL4 - Indoor Diffusion LED Strip

Description
Diffusion SL-4 is a flexible 5mm wide side mount linear LED strip. It is available in 16’ rolls that can be cut every 6 LEDs (50mm or 2”).

Features
- 3M industrial strength adhesive tape
- Long life LED : 50,000 hrs
- Dimmable with dimming power supply
- 2’ power feeds on both ends of every roll

*Custom lengths available upon request*

Specifications
- LED : 10 W/m (3 W/ft)
- Lamp Life : 50,000 hrs LM80
- LED/Meter : 120/m (36/ft)
- Power Input : 24V DC
- CRI > 91

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

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SL4 - Outdoor Diffusion LED Strip

Description
Diffusion SL-4 is a flexible 8mm wide side mount linear LED strip. It is available in 16’ and 32’ rolls that can be cut every 6 LEDs (50mm or 2”).

Features
- Includes endcaps and mounting clips with screws
- Long life LED: 50,000 hrs
- Dimmable with dimming power supply
- 2’ power feeds on both ends of every roll
- IP67

*Custom lengths available upon request*

Specifications
- LED: 10 W/m (3 W/ft)
- Lamp Life: 50,000 hrs LM80
- LED/Meter: 120 lm/m (36/ft)
- Power Input: 24V DC
- CRI > 91

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

ORDERING CODE
- BIN SELECTION: SL4-OUT
- LENGTH: 16 ft
- VOLTAGE: 24 V
- KELVIN: 3000 K

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SL5-RGB(W) Indoor Diffusion LED Strip

**Description**
Diffusion SL5-RGB is a flexible 10mm wide linear LED strip. Diffusion SL5-RGBW is a flexible 12mm wide linear LED strip. Both are available in 16’ and 100’ rolls that can be cut every 6 LEDs (100mm or 4”).

**Features**
- 3M industrial strength adhesive tape
- Long life LED : 50,000 hrs
- Dimmable with dimming power supply
- 2’ power feeds on both ends of every roll

*Custom lengths available upon request*

**Specifications**
- RGB LED : 14.4 W/m (4.32 W/ft)
- RGBW LED : 19.2 W/m (6 W/ft)
- Lamp Life : 50,000 hrs LM80
- LED/Meter : 60/m (18/ft)
- Power Input : 24V DC

**Lumens**
- RGB =Up to 591 lm/m (180 lm/ft)
- W(2700K) = Up to 400 lm/m (122 lm/ft)

**ORDERING CODE**
- SL5-IN
- LENGTH: 16 ft, 100 ft
- VOLTAGE: 24 Volt
- KELVIN: RGB, RGBW

**UL LISTED**
SL5-RGB(W) Outdoor Diffusion LED Strip

Description
Diffusion SL5-RGB is a flexible 12mm wide linear LED strip. Diffusion SL5-RGBW is a flexible 14mm wide linear LED strip. Both are available in 16’ and 32’ rolls that can be cut every 6 LEDs (100mm or 4’).

Features
- Includes endcaps and mounting clips with screws
- Long life LED: 50,000 hrs
- Dimmable with dimming power supply
- 2’ power feeds on both ends of every roll
- IP67

*Custom lengths available upon request*

Specifications
- RGB LED: 14.4 W/m (4.32 W/ft)
- RGBW LED: 19.2 W/m (6 W/ft)
- Lamp Life: 50,000 hrs LM80
- LED/Meter: 60/m (18/ft)
- Power Input: 24V DC

Lumens
- RGB = Up to 591 lm/m (180 lm/ft)
- W(2700K) = Up to 400 lm/m (122 lm/ft)

1 BIN SELECTION
2 STEP MACADAM ELLIPSE
3 TEST QUALITY CONTROL

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**SL6 - Indoor Diffusion LED Strip**

**Description**
Diffusion SL-6 is a flexible 10mm wide linear LED strip. It is available in 16’ and 100’ rolls that can be cut every 6 LEDs (50mm or 2”).

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

**Features**
- 3M industrial strength adhesive tape
- Long life LED: 50,000 hrs
- Dimmable with dimming power supply
- 2’ power feeds on both ends of every roll

*Custom lengths available upon request*

**Specifications**
- LED: 14.4 W/m (4.5 W/ft)
- Lamp Life: 50,000 hrs LM80
- LED/Meter: 120/m (36/ft)
- Power Input: 24V DC
- CRI > 91

**Lumens**
- 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)

**ORDERING CODE**
- SL6-IN
- Length: 16 ft, 100 ft
- Voltage: 24 Volt
- Kelvin: 2700 K, 3000 K, 3400 K, 4100 K
SL6 - Outdoor Diffusion LED Strip

Description
Diffusion SL-6 is a flexible 12mm wide linear LED strip. It is available in 16’ and 32’ rolls that can be cut every 6 LEDs (50mm or 2”).

Features
- Includes endcaps and mounting clips with screws
- Long life LED: 50,000 hrs
- Dimmable with dimming power supply
- 2’ power feeds on both ends of every roll
- IP67

*Custom lengths available upon request*

Specifications
- LED: 14.4 W/m (4.5 W/ft)
- Lamp Life: 50,000 hrs LM80
- LED/Meter: 120/m (36/ft)
- Power Input: 24 VDC
- CRI > 91

Lumens
- 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)

ORDERING CODE
- SL6-OUT
- XX
- 24V
- XXXX

16 ft
24 Volt
2700 K
3000 K
3400 K
4100 K
SL7.5 - Indoor Diffusion LED Strip

Description
Diffusion LED Strip SL7.5 is a flexible 10mm wide linear LED strip. It is available in lengths up to 32’ and can be cut every 6 LED chips (25mm/1”).

*Note: SL7.5 needs to be installed in aluminum channel*

Features
- 3M industrial strength adhesive tape (included)
- Long life LED: 50,000 hrs
- Dimmable with dimming power supply
- 24” leads on both ends of each roll

*Custom lengths recommended*

Specifications
- LED: 16.4 W/m (5W/ft)
- Lamp Life: 50,000 hrs LM80
- LED/Meter: 266/m (80/ft)
- Power Input: 24V DC
- CRI > 95
- R values all over 95

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)

*Recommended ordering in custom cut*
*No connectors for SL7 series*

1. BIN SELECTION
2. STEP MACADAM ELLIPSE
3. TEST QUALITY CONTROL

ORDERING CODE
SL7.5-IN
SL7.5-IN
16 ft
24 Volt
2700 K
3000 K
3400 K
4100 K

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**SLC-002S**

**Description**
Low profile, anodized aluminum channel that comes complete with three clear mounting clips, two grey endcaps, and an opal polycarbonate lens.

*Extra clips and endcaps available by request.*

**Specifications**
- **Channel:** Anodized aluminum extrusion
- **Lens:** Opal polycarbonate, high heat resistant, UV stable, shatter resistant
- **Length:** 8’ (2.44 meters)

*Custom color available.*

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

*If seen directly or through a reflective surface, not recommended unless used with SL7.5*

*Shows Dotting unless used with high fidelity SL7 Series ribbon.*

**Channel**

**End Caps**

**Mounting Clips**
SLC-003R

Description
Recessed, anodized aluminum channel that comes complete with three clear mounting clips, two grey endcaps, and an opal polycarbonate lens.

*Extra clips and endcaps available by request.*

Specifications
- Channel: Anodized aluminum extrusion
- Lens: Opal polycarbonate, high heat resistant, UV stable, shatter resistant
- Length: 8’ (2.44 meters)

*Custom color available.*

Applications
- Drywall
- Wall surfaces
- Kitchen cabinet
- Shelving
- Furniture
- Recess

Channel

Endcaps

Mounting Clips
SLC-007S

**Description**
45 degree, anodized aluminum channel that comes complete with three clear mounting clips, two grey endcaps, and an opal polycarbonate lens.

*Extra clips and endcaps available by request.*

**Specifications**
- Channel: Anodized aluminum extrusion
- Lens: Opal polycarbonate, high heat resistant, UV stable, shatter resistant
- Length: 8’ (2.44 meters)

*Custom color available.*

**Applications**
- Coves
- Kitchen cabinet
- Wardrobe
- Shelving

---

**Channel**

**Endcaps**

**Mounting Clips**
SLC-011S

**Description**
Two part anodized aluminum channel that comes complete with two grey endcaps and an opal polycarbonate lens.

*Extra clips and endcaps available by request.*

**Specifications**
- Channel: Anodized aluminum extrusion
- Lens: Opal polycarbonate, high heat resistant, UV stable, shatter resistant
- Length: 8’ (2.44 meters)

*Custom color available.*

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

**Channel**

**Endcaps**
SLC-012T

Description
Trimless anodized aluminum channel that comes complete with two aluminum endcaps and an opal polycarbonate lens.

*Extra clips and endcaps available by request.*

Specifications
- Channel: Anodized aluminum extrusion
- Lens: Opal polycarbonate, high heat resistant, UV stable, shatter resistant
- Length: 8’ (2.44 meters)

*Custom color available.*

Applications
- Drywall
- Flanges can be cut off and installed in wood

Channel

End Caps

DIFFUSION Lighting
architectural products ltd.

*Extra clips and endcaps available by request.*

*Custom color available.*

Drywall Flanges can be cut off and installed in wood
SLC-026F

**Description**
Sideways flexible channel that comes complete with mounting hardware for curved application.

*Extra clips and endcaps available by request.*

**Specifications**
- Channel: Flexible opal channel
- Note: Inner dimension is approx 11mm and can accommodate SL1, SL3, SL6 & RGB indoor ribbon
- Length: Cut to suit
- IP67

*Custom cut made to order.*

**Applications**
- Gardens
- Walkways
- Exterior and, or Interior use
- Curved applications
- Behind circle mirrors
- Curved windows

**Channel**

**End Caps**

**Mounting Clips**

*DIFFUSION Lighting by RJCROSS Architectural Products Ltd.*

*Extra clips and endcaps available by request.*

*Custom cut made to order.*
SLC-034R

**Description**
In-floor anodized aluminum channel that comes complete with two grey endcaps and a 3mm thick opal polycarbonate lens.

*Extra clips and endcaps available by request.*

**Specifications**
- Channel: Anodized aluminum extrusion
- Lens: 3mm thick opal polycarbonate, high heat resistant, UV stable, shatter resistant
- Length: 8’ (2.44 meters)

*Walk over rated.*

**Applications**
- Walkways
- Driveways
- Exterior and, or Interior use

- Stairs
- Niches

*Use outdoor ribbon for exterior or walk over applications.*

**Channel**

**End Caps**
SLC-037C

**Description**
Anodized aluminum closet rod that comes with a 1.25mm thick opal polycarbonate lens for zero dotting.

**Specifications**
- Channel: Anodized aluminum extrusion
- Lens: 1.25mm thick opal polycarbonate, high heat resistant, UV stable, shatter resistant
- Length: 8’ (2.44 meters)
- End fittings and center supports sold separately.

**Applications**
- Closets
- Suspended fixture

**Channel**

**End Caps**
SLC-050SP

Description
Surface/Pendant mount Aluminum extrusion with opal polycarbonate lens.

*Extra clips and endcaps available by request.*

Specifications
- Dimensions: 50mm W x 43mm D
- Channel: Anodized aluminum extrusion
- Lens: Opal polycarbonate, high heat resistant, UV stable, shatter resistant
- Length: 8’ (2.44 meters)

*Custom color available.*

Applications
- Surface mount
- Suspended fixture
- Workshops
- Libraries
- Restaurants

*Optional suspension kits are available.*

Channel

Endcaps

Mounting Clips
- Surface Mounting Clips
- Wall Mounting Clips

*Extra clips and endcaps available by request.*

*Custom color available.*

*Optional suspension kits are available.*
SLC-065R

**Description**
Recessed mount aluminum extrusion with opal polycarbonate lens.

*Extra clips and endcaps available by request.*

**Specifications**
- Channel: Anodized aluminum extrusion
- Lens: Opal polycarbonate, high heat resistant, UV stable, shatter resistant
- Length: 8’ (2.44 meters)
- Finish: White powdercoat (other colors available upon request)
- Mounting: Recess mounting springs

*Custom color available.*

**Applications**
- Halls
- Workshops
- Ballrooms
- Recessed into drywall
- Doctors offices
- Classrooms

---

**Channel**

**Endcaps**

**Mounting Clips**

*Image coming soon*
SLC-098KE

Description
Anodized aluminum knife edge profile (Joiners & acrylic lenses sold separately)

Specifications
- Channel: Anodized aluminum extrusion
- Lens: Two different acrylic lenses available upon request
- Length: 8' (2.44 meters)

Applications
- Edgeless coves

Channel
**Description**
Narrow anodized aluminum channel that comes complete with mounting hardware, two grey endcaps and an extra thick opal polycarbonate lens for zero dotting.

*Extra clips and endcaps available by request.*

**Specifications**
- **Channel**: Anodized aluminum extrusion
- **Lens**: Opal polycarbonate, high heat resistant, UV stable, shatter resistant.
- **Length**: 8’ (2.44 meters)

*Custom color available.*

**Applications**
- Platforms
- Shelving
- Niches
- Stairs
- Furniture

---

**Channel**

**End Caps**

**Mounting Clips**
ML10S24DC Magnetic Driver

**Description**
Diffusion ML10S24DC is a magnetic low voltage, 24VDC dimmable LED driver.

**Features**
- Nema 3R for Indoor/Outdoor use
- Uses an assortment of dimmers including CFL/LED style
- Built in divider eliminating the need for a box
- Standard 3/8" KO
- Max load rated

*See dimmer compatibility list*

**Specifications**
- Input Voltage: 120V 60Hz
- Max Input Current at Full Load: 0.11A
- Output Voltage Without Load: 26 VDC
- Output Voltage: 24 VDC
- Max Wattage: 10W
- Max Output Current: 0.4A
- Efficiency: 83%
- Load Regulation: 0%
- Ripple: 0

---

**INPUT**
- 120V 60Hz  
  - Black
  - White

**OUTPUT**
- 24VDC
  - Red +
  - Blue -
ML20S24DC Magnetic Driver

Description
Diffusion ML20S24DC is a magnetic low voltage, 24VDC dimmable LED driver.

Features
- Nema 3R for Indoor/Outdoor use
- Uses an assortment of dimmers including CFL/LED style
- Built in divider eliminating the need for a box
- Standard 3/8" KO
- Max load rated

*See dimmer compatibility list*

Specifications
- Input Voltage : 120V 60Hz
- Max Input Current at Full Load : 0.22A
- Output Voltage Without Load : 26 VDC
- Output Voltage : 23.5 VDC
- Max Wattage : 20W
- Max Output Current : 0.8A
- Efficiency : 83%
- Load Regulation : 0%
- Ripple : 0

**INPUT**
- Black
- White
- 120V 60Hz

**OUTPUT**
- Red +
- Blue -
- 24VDC

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ML40S24DC Magnetic Driver

**Description**
Diffusion ML40S24DC is a magnetic low voltage, 24VDC dimmable LED driver.

**Features**
- Nema 3R for Indoor/Outdoor use
- Uses an assortment of dimmers including CFL/LED style
- Built in divider eliminating the need for a box
- Standard 3/8" KO
- Max load rated

*See dimmer compatibility list*

**Specifications**
- Input Voltage : 120V 60Hz
- Max Input Current at Full Load : 0.4A
- Output Voltage Without Load : 26.4 VDC
- Output Voltage : 23.5 VDC
- Max Wattage : 40W
- Max Output Current : 1.7A
- Efficiency : 85%
- Load Regulation : 0%
- Ripple : 0

---

**Input**
- Black
- White

**Output**
- Red +
- 24VDC
- Blue -

**Dimensions**
- 2.11" x 1.60" x 8.00"
ML60S24DC Magnetic Driver

**Description**
Diffusion ML60S24DC is a magnetic low voltage, 24VDC dimmable LED driver.

**Features**
- Nema 3R for Indoor/Outdoor use
- Uses an assortment of dimmers including CFL/LED style
- Built in divider eliminating the need for a box
- Standard 3/8" KO
- Max load rated
- Mini breakers on the line and the low sides

*See dimmer compatibility list*

**Specifications**
- Input Voltage : 120V 60Hz
- Max Input Current at Full Load : 0.6A
- Output Voltage Without Load : 27.2 VDC
- Output Voltage : 23.5 VDC
- Max Wattage : 60W
- Max Output Current : 2.5A
- Efficiency : 85%
- Load Regulation : 0%
- Ripple : 0

**Input**
- Black
- White

**Output**
- Red +
- Blue -

120V 60Hz

DIFFUSION

by RJCROSS lighting

architectural products ltd.
**ML100S24DC Magnetic Driver**

**Description**
Diffusion ML100S24DC is a magnetic low voltage, 24VDC dimmable LED driver.

**Features**
- Nema 3R for Indoor/Outdoor use
- Uses an assortment of dimmers including CFL/LED style
- Built in divider eliminating the need for a box
- Standard 3/8” KO
- Max load rated
- Mini breakers on the line and the low sides

*See dimmer compatibility list*

**Specifications**
- Input Voltage : 120V 60Hz
- Max Input Current at Full Load : 1A
- Output Voltage Without Load : 27.2 VDC
- Output Voltage : 23.6 VDC
- Max Wattage : 96W
- Max Output Current : 4A
- Efficiency : 85%
- Load Regulation : 0%
- Ripple : 0

**INPUT**
- Black
- White

**OUTPUT**
- Red +
- 24VDC
- Blue -
**DL010-024-SERIES**

**0-10V Dimmable Drivers**

**Description**
Diffusion DL010-024-Series are 0-10V constant voltage dimmable drivers.

**Features**
- Protection from short circuit, over current and over voltage
- IP20 design for indoor installation (30W model only)
- IP67 waterproof, designed for indoors and outdoors (60W, 100W, 150W & 200W models)
- Metal enclosure included

**Specifications**
- Output Voltage: 24 VDC
- Dimming Functions: 0-10V
- Dimming Range: 0-100%
- Load Capabilities: 80% - 90%

**Available Wattages**
- 30W / 60W / 100W
- 150W / 200W
## DLELD-024-SERIES
### Triac Dimmable Drivers

### Description
Diffusion DLELD-024-Series are triac dimming constant voltage electronic drivers.

### Features
- Compatible with various dimmers
- IP20 design for indoor installation (24W, 48W & 60W models)
- IP67 waterproof, designed for indoors and outdoors (100W, 150W & 200W models)
- Metal enclosure included

*See dimmer compatibility list*

### Specifications
- Output Voltage: 24 VDC
- Load Capabilities: 80% - 90%

### Available Wattages
- 24W / 48W / 60W / 100W
- 150W / 200W
## DLND-024V-(18W/36W) Electronic Non-Dimmable Driver

### Description
Diffusion DLND-024V-(18W/36W) is an electronic, non-dimmable driver in a plastic enclosure.

### Features
- No junction box required
- 18W or 36W
- IP40 rating

*Rated for indoor use only*

### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Input</th>
<th>Output</th>
<th>Output Current</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>DLND-024V-18W</td>
<td>120V</td>
<td>24 VDC</td>
<td>0.75A</td>
<td>4.5” L x 1.75” W x 1.125” H</td>
</tr>
<tr>
<td>DLND-024V-36W</td>
<td>120V</td>
<td>24 VDC</td>
<td>1.5A</td>
<td>5.5” L x 1.75” W x 1.125” H</td>
</tr>
</tbody>
</table>
**PW24-24V Plug-In Driver**

<table>
<thead>
<tr>
<th>Description</th>
<th>Specifications</th>
</tr>
</thead>
</table>
| Diffusion PW24-24V is a 24 Watt plug-in driver. | - Input : 120V  
- Output : 24 VDC 24W 1 amp  
- Plug-in with 2.1mm jack  
- 2.1mm female jack included |

**Features**
- Simple plug and play setup
- 24W 24V load
- cUL Listed

**Specifications**
- Input : 120V
- Output : 24 VDC 24W 1 amp
- Plug-in with 2.1mm jack
- 2.1mm female jack included
PD60-24V Plug-In Driver

**Description**
Diffusion PD60-24V is a 60 Watt plug-in driver.

**Features**
- Simple plug and play setup
- 60W 24V load
- cUL Listed

**Specifications**
- Input : 120V
- Output : 24 VDC 60W 2.5 amps
- Plug-in with 2.1mm jack
- 2.1mm female jack included
Accessories Indoor Applications

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

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

**Specifications**
- **H8 SERIES**
  - 8mm inner width used with SL1 & SL3 ribbon
- **H10 SERIES**
  - 10mm inner width used with SL6 ribbon
- **S10 SERIES**
  - 10mm inner width used with RGB ribbon
- **RGBW14 SERIES**
  - 14mm inner width used with RGBW ribbon

**Power Feeds**
- H8W1
- H10W1
- S10W1
- RGBW14W1

**6" Connectors**
- H8W2
- H10W2
- S10W2
- RGBW14W2

**Butt Connectors**
- H8W0
- H10W0
- S10W0
- RGBW14W0
Micro Sensors and Switches Inline
Channel Mounted

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

*Custom pre-installation assembly available upon request*

Specifications
- Input Voltage: 24 VDC
- Loading Power: 8A Max

Measurements
- CRTB01: 17.1mm x 80mm
- CRTT03: 17.1mm x 80mm
- CRTSPIRIT: 17.1mm x 100mm
- CRTS01: 17.1mm x 85mm

CRTB01 - Micro Button Switch
One touch on/off switch

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
Swip hand past sensor to active

CRTSPIRIT - PIR Motion Sensor
Adjustable timer controlling the length of time the lights stay on from 6 to 70 seconds
Switches Dimmable
Touch sensor

Description
Switches Dimmable Touch sensors offering solutions to a wide range of applications.

Specifications
- Input Voltage : 24 VDC
- Loading Power : 8A Max

Features
- Flush circular dimmable touch switch with memory (offered in black and white)

CRTT04B / CRTT04W - Dimming Touch Switch
Dimensions : 22mm diameter (Hole required is 18mm diameter)
Flush circular dimmable touch switch
Available in black and white
CRTSIRDH
Door/Hand sensor

Description
Door/Hand sensors offering solutions to a wide range of applications.

Specifications
- Input Voltage: 24 VDC
- Loading Power: 8A Max

Features
- Interchangeable door/hand operated multi-sensor switch

CRTSIRDH - Door / Hand Sensor
Detection Range: < 10cm
**M4 + M4 - 5A Remote & Controller**

**Description**
Diffusion M4 remote 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
- Interchangeable with M8 remote
- Wall mountable

*See dimmer compatibility list*

**Specifications**
- Power Input : 24 VDC
- Max Current Load : 5A x 4 CH (Max 20A)
- Max Output Power : 480W @ 24V
- GreyScale Max : 4096 x 4096 x 4096 x 4096
**M8 + M4 - 5A Remote & Controller**

**Description**
Diffusion M8 remote 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
- Interchangeable with M4 remote
- Wall mountable

*See dimmer compatibility list*

**Specifications**
- Power Input : 24 VDC
- Max Current Load : 5A x 4 CH (Max 20A)
- Max Output Power : 480W @ 24V
- GreyScale Max : 4096 x 4096 x 4096 x 4096
UX8 RGB(W) Wall Mount Touch Panel

Description
Diffusion UX series 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

Specifications
- UX8 Wall Unit
- Power Input : 24 VDC
- Output : Control wire to DMX controller

Dimensions :
3.38" L x 3.38" W x 1.41" H
86mm L x 86mm W x 36mm H
WIFI-PLA104 WiFi 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

Specifications
- Com. Standard: 2.4Ghz WiFi, 802.11 b/g/n protocol
- Input Voltage: 24 VDC
- Output Current: 4A x 4CH Max 16A
- Control Distance Max: 100m
- Compatible with R4-5A Receiver

Input Voltage: 24 VDC
Output Current: 4A x 4CH Max 16A
Control Distance Max: 100m
Compatible with R4-5A Receiver

Dimensions:
- Length: 122.6mm
- Width: 73mm
- Height: 44.5mm
RJcross Architectural Products Ltd ("We", "us" or "Seller") warrant Diffusion LED products and accessory(s) ("Diffusion Lighting") to be free from defects in materials and workmanship, and to operate from the date of installation (or date of manufacture if installation date is not known or available or verifiable) for a period of five (5) years. If a Diffusion Lighting Product fails to operate during the warranty period, we will repair or replace, at our discretion, the Diffusion Lighting Product in accordance with our Terms and Conditions. (labor is not included)