**DL diodeled**®

# SQUARE | Channel

SQUARE Sturdy profile with many mounting options.
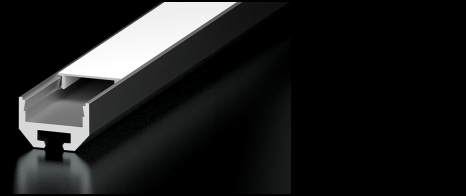
Date

Project Notes

## FEATURES

- Industrial extrusions for custom lighting
- In-house and field cuttable channels to work with individual specifications
- Channels act as a heat sink, cooling and prolonging the LED tape light lifespan
- Multiple finishes and hardware available
- Provides additional defense from dust and debris, protecting the LED investment
- 5-Year Warranty

## ORDERING CODES

Order channels, and components for field assembly

| Diode LED | Model | Series | Lens | Length | |
|---|---|---|---|---|---|
| DI | | | | | |
| | CPCHB | SQ | *blank* (Classic Frosted Lens) | 48 (48 in. aluminum) | 96 (96 in. aluminum) |
| | | | BL (Black Lens) | 48B (48 in. Black) | 96B (96 in. Black) |
| | | | CLT (Arch. Clear Lens) | 48W (48 in. White) | 96W (96 in. White) |
| | | | FRT (Arch. Frosted Lens) | | |
| | | | PD (Prem. Diffusion Lens) | | |

## RECOMMENDED TAPE LIGHTS

Inquire for Tape Lights not listed

- **BLAZE™**
- **BLAZE™ X**
- **VALENT® TUNABLE WHITE**
- **BLAZE™ COLORS**
- **STREAMLITE™**
- **STREAMLITE™ Colors**
- **STREAMLITE™ Tunable White**

- **STREAMLITE™ RGBW**
- **STREAMLITE™ Wet Location**
- **STREAMLITE™ Colors Wet Location**
- **Dazzle RGB**
- **VALENT®**
- **VALENT® X**
- **VALENT® RGBW**

- **VALENT® Warm Dim**
- **DAZZLE 24®**
- **Dazzle RGBW 4D**
- **BLAZE™ Wet Location**
- **BLAZE™ X Wet Location**

## CHANNEL SPECIFICATIONS

| MODEL | DIAGRAM | INCLUDED ACCESSORIES | CONNECTION OPTIONS | TECHNICAL RATINGS | MOUNTING OPTIONS WITH DIMENSIONS |
|---|---|---|---|---|---|
| **SQUARE Channel** DI-CPCHB-SQ | Height (H): 0.55 in. Width (W): 0.82 in. Interior Depth (ID): 0.27 in. Interior Width (IW): 0.67 in. | **48" Aluminum Channel** • 48 in. channel & frosted cover • Mounting hardware • End caps: 1x open, 1x closed. **48" Black & White Channels** • 48 in. channel & clear, or frosted lens • 4x surface mounted clips • 2x End-to-end interconnects **96" Aluminum Channel** • 96 in. channel & frostedcover • Mounting hardware • End caps: 2x open, 2x closed. **96" Black & White Channels** • 96 in. channel & clear, or frosted lens • 4x surface mounted clips • 2x End-to-end interconnects | TB8 - 8mm Terminal Block (clear) Compatible 8mm Tape Light w/Soldered Lead 12mm Terminal Block Compatible 12mm Tape light w/Soldered Lead | • Beam Angle: 120º **Architectural Clear Lens** • Light Loss: 10% • CCT Shift: -20K **Architectural Frosted Lens** • Light Loss: 30% • CCT Shift: -35K **Classic Frosted Lens** • Light Loss: 20% • CCT Shift: -40K **Black Lens** • Light Loss: 90% • CCT Shift: -350K **Premium Diffusion Lens** • Light Loss: 10% • CCT Shift: -30K • IP Rating Shift: IP40 | Chromapath Surface Mount: 0.61 × 0.82 in. (H x W) Vertical Mount: 0.61 × 0.82 in. (H x W) Rotating Mount: 1.29 × 0.82 in. (H x W) Hanging Mount: 1.51 × 0.82 in. (H x W) |

## DIFFUSION KEY

### Runway Diffusion

| Architectural Frosted Lens | Black Lens | Premium Diffusion Lens |
|---|---|---|
| • BLAZE™ - BLBSC1 • BLAZE™ - BLBSC2 • BLAZE™ - BLBSC3 • BLAZE™ X - BLX1 • BLAZE™ X - BLX2 • BLAZE™ X - BLX3 • BLAZE™ X Wet Location - BLX1 • BLAZE™ Wet Location - BLBSC1 • BLAZE™ COLORS - BLC | • BLAZE™ - BLBSC1 • BLAZE™ - BLBSC2 • BLAZE™ - BLBSC3 • BLAZE™ X - BLX1 • BLAZE™ X - BLX2 • BLAZE™ X - BLX3 • BLAZE™ X - Wet Location - BLX1 • BLAZE™ Wet Location - BLBSC1 • BLAZE™ COLORS - BLC | None |

### Semi-Diffused

| Architectural Frosted Lens | Black Lens | Premium Diffusion Lens |
|---|---|---|
| • BLAZE™ X Location - BLX2 • BLAZE™ X Wet Location - BLX3 • BLAZE™ Wet Location - BLBSC2 • BLAZE™ Wet Location - BLBSC3 • VALENT® RGBW - VL • VALENT® Tunable White - VL • VALENT® WARM DIM - VL1 • VALENT® WARM DIM - VL4 | • BLAZE™ X WET LOCATION - BLX2 • BLAZE™ X Wet Location - BLX3 • BLAZE™ Wet Location - BLBSC2 • BLAZE™ Wet Location - BLBSC3 • VALENT® RGBW - VL • VALENT® Tunable White - VL • VALENT® WARM DIM - VL1 • VALENT® WARM DIM - VL4 | • BLAZE™ X Wet Location - BLX1 • BLAZE™ Wet Location - BLBSC1 |

### Dotless

| Architectural Frosted Lens | Black Lens | Premium Diffusion Lens |
|---|---|---|
| • STREAMLITE™ - STMLT • STREAMLITE™ Wet Location - STMLT • STREAMLITE™ Wet Location - STMLT4 • STREAMLITE™ COLORS - STMLT • STREAMLITE™ COLORS Wet Location - STMLT • STREAMLITE™ - STMLT4 • STREAMLITE™ Tunable White - STMLT • STREAMLITE™ RGBW - STMLT • VALENT® - VL1 • VALENT® - VL2 • VALENT® - VL3 • VALENT® - VL5 • VALENT® X - VLX1 • VALENT® X - VLX2 • VALENT® X - VLX3 • VALENT® X - VLX5 • VALENT® X - VLX8 | • STREAMLITE™ - STMLT • STREAMLITE™ Wet Location - STMLT • STREAMLITE™ Wet Location - STMLT4 • STREAMLITE™ COLORS - STMLT • STREAMLITE™ COLORS Wet Location - STMLT • STREAMLITE™ - STMLT4 • STREAMLITE™ Tunable White - STMLT • STREAMLITE™ RGBW - STMLT • VALENT® - VL1 • VALENT® - VL2 • VALENT® - VL3 • VALENT® - VL5 • VALENT® X - VLX1 • VALENT® X - VLX2 • VALENT® X - VLX3 • VALENT® X - VLX5 • VALENT® X - VLX8 | • BLAZE™ - BLBSC1 • BLAZE™ - BLBSC2 • BLAZE™ - BLBSC3 • BLAZE™ X - BLX1 • BLAZE™ X - BLX2 • BLAZE™ X - BLX3 • BLAZE™ X Wet Location - BLX2 • BLAZE™ X Wet Location - BLX3 • BLAZE™ Wet Location - BLBSC2 • BLAZE™ COLORS - BLC • STREAMLITE™ - STMLT • STREAMLITE™ Wet Location - STMLT4 • STREAMLITE™ COLORS - STMLT • STREAMLITE™ COLORS Wet Location - STMLT • STREAMLITE™ - STMLT4 • STREAMLITE™ Tunable White - STMLT • STREAMLITE™ RGBW - STMLT • VALENT® - VL2 • VALENT® - VL3 • VALENT® - VL5 • VALENT® X - VLX1 • VALENT® X - VLX2 • VALENT® X - VLX3 • VALENT® X - VLX5 • VALENT® X - VLX8 • VALENT® RGBW - VL • VALENT® Tunable White - VL • VALENT® WARM DIM - VL1 • VALENT® WARM DIM - VL4 |

## ACCESSORIES

| Code | Description | Code | Description |
|---|---|---|---|
| **DI-CPEC-SQ-1** | Channel Component, Single End Cap Pair, SQUARE | **DI-CPEC-SQPDB-1** | Channel Component, Single End Cap Pair, SQUARE, Premium Diffusion, Black |
| **DI-CPEC-SQB-1** | Channel Component, Single End Cap Pair, SQUARE, Black | **DI-CPEC-SQPDW-1** | Channel Component, Single End Cap Pair, SQUARE, Premium Diffusion, White |
| **DI-CPEC-SQPD-1** | Channel Component, Single End Cap Pair, SQUARE, Premium Diffusion | **DI-CPEC-SQW-1** | Channel Component, Single End Cap Pair, SQUARE, White |

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Date

Project Notes

## CERTIFICATIONS

### Safety

- Meets the following certifications when installed with compatible UL Listed tape light: E469769 UL Listed 2108. UL 1598 / CSA 250.0-08, UL 8750. UL 879 / CAN/ CSA-C22.2 no. 207-M89.

- Approved for storage areas of clothes closets per NEC NEC 410.16.A.1 and 410.16.C.1,3

### Environmental

- Suitable for indoor, dry, damp, and wet location use

### Safety / Warnings / Disclosures

1. Install in accordance with national and local electrical code regulations.

2. This product is intended to be installed and serviced by a qualified, licensed electrician.

3. Ensure applicable wire is installed between driver, fixture, and any controls in-between. When choosing wire, factor in voltage drop, amperage rating, and type (in-wall rated, wet location rated, etc.).  Inadequate wire installation could overheat wires, and cause fire.

4. Do not install in environment where LED chips are exposed to direct sunlight as damage to the phosphor will occur.

5. Do not install in environment where excessive heat may exist (ex. close proximity to fireplace, etc.) See Ambient Temperature ratings

6. Do not install indoor LED tape light products in outdoor / wet location environments. Only wet location tape light models are rated for outdoor / wet locations.

7. Do not modify product beyond instructions or warranty will be void.

8. Tape light must be handled with care. Excessive handling, bending, and pressure may damage the product, voiding the warranty.

9. Actual color may vary from what is pictured on this sheet and other print materials due to the limitations of photographic processes.

10. We reserve the right to modify and improve the design of our fixtures without prior notice. We cannot guarantee to match existing installed fixtures for subsequent orders or replacements in regards to product appearance, CCT, or lumen output.

## WARRANTY

### Limited Warranty

- 5 Year limited warranty

This warranty does not include the additional accessories referenced in this specification sheet. Complete warranty details for fixtures and additional accessories are available at www.diodeled.com/limited-warranty/ within the Policies section. For warranty related questions please contact product support.

### Consumer's Acknowledgment

Elemental LED, Inc. stands behind its products when they are used properly and according to our specifications. By purchasing our products, the purchaser agrees and acknowledges that lighting design, configuration and installation is a complex process, wherein seemingly minor factors or changes in layout and infield adjustments can have a significant impact on an entire system. Choosing the correct components is essential. Elemental LED is able to work with the original purchaser to make an appropriate product selection to the extent of the limited information that the customer can provide, but it is virtually impossible for Elemental LED to design a system that foresees every unknown factor. For this reason, this Warranty does not cover problems caused by improper design, configuration or installation issues. Any statement from a Elemental LED employee or agent regarding a customer's bill of goods and/or purchase order is NOT an acknowledgment that the products purchased are designed and configured correctly. The purchase agrees and acknowledges that it is the customer's responsibility to adhere strictly to all information contained in the Product Specification Sheets.

There is often more than one way to design, configure and layout an LED lighting application properly to achieve the same lighting effect. Elemental LED strongly recommends that licensed professionals be used in the design and installation of lighting systems that include Elemental LED products. The specifications include important information that a designer and installer should carefully review and strictly follow. Qualified designers and certified and/or licensed installers, with access to the final installation environment, customer goals, and Elemental LED product specifications can make the requisite decisions appropriate for a successful finished lighting application.