

A1 Channel

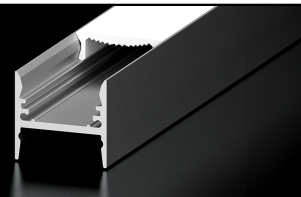
Precise, patented channel with integrated wire management for seamless linear light.

Date _____

Project Notes _____

FEATURES

- Optimized for long runs and tight spaces
- Precise flush mounting with concealed clips and wire raceway
- Architectural-grade acrylic lens
- Low glare and minimal color shift
- Made in the USA & Buy American Act compliant
- Patented Lens & Channel



ORDERING CODES

Order channels, and components for field assembly

Diode LED	Model	Series	Length	
DI				
	CHB	A1	48 (48 in. aluminum)	90 (90 in. aluminum)
			48B (48 in. Black)	90B (90 in. Black)
			48W (48 in. White)	90W (90 in. White)

RECOMMENDED TAPE LIGHTS

Inquire for Tape Lights not listed

- VALENT® X
 - BLAZE™
 - BLAZE™ X
 - STREAMLITE™
 - STREAMLITE™ Colors
 - STREAMLITE™ Tunable White
 - STREAMLITE™ RGBW
 - STREAMLITE™ Wet Location
- STREAMLITE™ Colors Wet Location
 - DAZZLE® RGB
 - VALENT®
 - VALENT® RGBW
 - VALENT® Warm Dim
 - VALENT® Warm Dim Wet Location
 - DAZZLE® RGBW
 - DAZZLE® RGB Wet Location
- DAZZLE® RGBW 4D
 - VALENT® X Wet Location
 - VALENT® RGBW Wet Location
 - VALENT® Wet Location
 - BLAZE™ Wet Location
 - BLAZE™ ECO Wet Location
 - BLAZE™ X Wet Location

CHANNEL SPECIFICATIONS

MODEL	DIAGRAM	INCLUDED ACCESSORIES	CONNECTION OPTIONS	TECHNICAL RATINGS	MOUNTING OPTIONS WITH DIMENSIONS
A1 Channel DI-CHB-A1	Height (H): 0.81 in. Width (W): 0.87 in. Interior Depth (ID): 0.45 in. Interior Width (IW): 0.79 in. 	48" Aluminum, Black, & White Channels • 48 in. channel & lens • 2x surface mounting clips • 1 retaining clip • End caps: 1x open, 1x closed. 90" Aluminum, Black, & White Channels • 90 in. channel & lens • 4x surface mounting clips • 2x strain relief clip • End caps: 2x open, 2x closed, 2x slotted	 TB - 8mm Terminal Block (white) Compatible 8mm Tape Light w/Soldered Lead 12mm Terminal Block Compatible 12mm Tape light w/Soldered Lead	• Beam Angle: 120° Architectural Frosted Lens • Light Loss: 30% • CCT Shift: -35K • IP Rating Shift: IP40	 U-Clip: 0.82 x 0.88 in. (H x W)

DIFFUSION KEY

Runway Diffusion	Semi-Diffused	Dotless
Architectural Frosted Lens • BLAZE™ - BLBSC1 • BLAZE™ X - BLX1 • BLAZE™ X Wet Location - BLX1 • BLAZE™ Wet Location - BLBSC1	Architectural Frosted Lens • BLAZE™ - BLBSC2 • BLAZE™ - BLBSC3 • BLAZE™ X - BLX2 • BLAZE™ X - BLX3 • BLAZE™ X Wet Location - BLX2 • BLAZE™ X Wet Location - BLX3 • BLAZE™ Wet Location - BLBSC2 • BLAZE™ Wet Location - BLBSC3 • BLAZE™ Mini - BL4MNS10 • BLAZE™ COLORS - BL-C • VALENT® RGBW - VL • VALENT® RGBW Wet Location - VL • VALENT® Tunable White - VL • BLAZE™ Wet Location - BLBSC2 • VALENT® WARM DIM - VL1 • VALENT® WARM DIM - VL4 • VALENT® WARM DIM Wet Location - VL4 • DAZZLE® RGB - DRGB • DAZZLE® RGBW - RGBW • DAZZLE® RGBW 4D - RGBW4 • VALENT® RGBW Wet Location - VL- RGBW-W	Architectural Frosted 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® - VL3 • VALENT® X - VLX1 • VALENT® X - VLX2 • VALENT® X - VLX3 • VALENT® X - VLX5 • VALENT® X - VLX8 • VALENT® X Wet Location - VLX2 • VALENT® X Wet Location - VLX5 • VALENT® Wet Location - VL1 • VALENT® Wet Location - VL2 • VALENT® Wet Location - VL3 • VALENT® Wet Location - VL5 • CELESTE® - 24CEL1000 • CELESTE® - 24CEL150 • CELESTE® - 24CEL300 • CELESTE® - 24CEL300 • CELESTE® - 24CEL500 • CELESTE® - 24CEL800 • CELESTE® - 24CEL100 • CELESTE® WARM DIM - 24CEL100

ACCESSORIES

DI-CHB-A1-ACC	A1 Accessory Pack - 2 open end caps, 2 slotted end caps, 2 closed end caps, 4 standard mounting clips, 2 Strain Relief Clip
DI-CHB-A1-ACCB	A1 Accessory Pack - Black, 2 open end caps, 2 slotted end caps, 2 closed end caps, 4 standard mounting clips, 2 Strain Relief Clip
DI-CHB-A1-ACCW	A1 Accessory Pack - White, 2 open end caps, 2 slotted end caps, 2 closed end caps, 4 standard mounting clips, 2 Strain Relief Clip

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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
- Made in America, BAA (Buy America Act), BABA (Build America, Buy America) Compliant

Environmental

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

Safety / Warnings / Disclosures

- Install in accordance with national and local electrical code regulations.
- This product is intended to be installed and serviced by a qualified, licensed electrician.
- 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.
- Do not install in environment where LED chips are exposed to direct sunlight as damage to the phosphor will occur.
- Do not install in environment where excessive heat may exist (ex. close proximity to fireplace, etc.) See Ambient Temperature ratings
- 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.
- Do not modify product beyond instructions or warranty will be void.
- Tape light must be handled with care. Excessive handling, bending, and pressure may damage the product, voiding the warranty.
- Actual color may vary from what is pictured on this sheet and other print materials due to the limitations of photographic processes.
- 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

- 3 Year and 5 Year limited warranties

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.