

BLAZE™ COLORS 12V and 24V LED Tape Light

Solid-color tape light for everyday projects.

Date _____

Project Notes _____



FEATURES

- Cost-effective, high quality tape light
- Ideal for display, signage, coves, and retail lighting
- Compatible with all Diode LED tape light accessories including CHROMAPATH® Channels, SWITCHEX®,



ORDERING CODES

Order spools, and components for field assembly

OPTIONAL ORDERING CODES

Add Assembly Preferences, Finish, Lens, Mounting, Driver, and Delivery

| | Voltage | Model | Color | Finish | Channels | | | | Finish | Lens | Mounting | Driver | Delivery |
|----|----------------|-------|------------|---------------|---|--------------------|---------------------|---------------------|---------------|--------------------------------|------------------------|------------------|---------------------------|
| DI | | | | | | | | | | | | | |
| | 12V (12V Volt) | BLC | BL (Blue) | AL (Aluminum) | A1 (A1) | 16 (16mm Square) | 45DCO (45° Deco) | MI1 (1-inch Mud-In) | AL (Aluminum) | *blank* (Classic Frosted Lens) | 3M (3M Adhesive) | ELV (Electronic) | MAG (MLV) |
| | 24V (24V Volt) | | GR (Green) | BL (Black) | A2 (A2) | RC20 (20mm Round) | 90 (90° Sideview) | MI2 (2-inch Mud-In) | BL (Black) | AFS (Arch. Frosted Satin Lens) | MC (Mounting Clip) | O10 (0-10V) | O/O (On / Off) |
| | | | RD (Red) | WH (White) | A3 (A3) | SQ20 (20mm Square) | SCNC (Sconce) | ROD (Rod) | WH (White) | BL (Black Lens) | RC (Rotating Clip) | LUT (Lutron) | PoE (Power over Ethernet) |
| | | | | | S1 (S1) | SL (Slim) | REF (Reflector) | WF (Waveform) | | CLT (Arch. Clear Lens) | CHN (Mounting Channel) | | |
| | | | | | S2 (S2) | SQ (Square) | REC (Recessed) | | | FRT (Arch. Frosted Lens) | | | |
| | | | | | S45 (S45) | 45 (45°) | SLR (Slim Recessed) | | | OPT (Opal Lens) | | | |
| | | | | | | | | | | PD (Prem. Diffusion Lens) | | | |
| | | | | | *See page 2 for Channel / Lens / Mounting compatibility | | | | | | | | |

BLAZE™ COLORS - SPECIFICATION TABLE

| Models | 12V-BLC | 24V-BLC |
|---------------|-------------------------------|-------------------------------|
| Voltage | 12VDC | 24VDC |
| Wattage | 3W/ft. | 3W/ft. |
| Blue | 75 Lm/ft. | 71 Lm/ft. |
| Lumens | 300 Lm/ft. | 310 Lm/ft. |
| Green | | |
| Red | 95 Lm/ft. | 98 Lm/ft. |
| Cut Points | 1 in. | 2 in. |
| Max Run (ft.) | 20 ft. | 40 ft. |
| Dimensions | 0.31 x 0.1 in. (W x H) | 0.31 x 0.1 in. (W x H) |
| Environment | Indoor / Damp Location (IP20) | Indoor / Damp Location (IP20) |
| LED Chips | 36/ft. | 36/ft. |
| Certification | UL Listed 2108 | UL Listed 2108 |
| Warranty | 12 Year | 12 Year |

BLAZE™ COLORS 12V and 24V LED Tape Light

Solid-color tape light for everyday projects.

Date _____



Project Notes _____



CHANNEL / LENS / MOUNTING COMPATIBILITY

| Channel | Compatible Lenses | Available Finishes | Mounting Options |
|------------------------|-------------------------------|--------------------|----------------------|
| A1 (A1) | FRT | AL / WH / BL | UC |
| A2 (A2) | CLT / FRT / AFS | AL / WH / BL | UC |
| A3 (A3) | CLT / FRT / AFS | AL / WH / BL | UC |
| S1 (S1) | *blank* | AL | UC |
| S2 (S2) | *blank* | AL | UC |
| S45 (S45) | *blank* | AL | UC |
| 16 (16mm Square) | FRT | AL | MC |
| RC20 (20mm Round) | *blank* | AL | UC |
| SQ20 (20mm Square) | *blank* | AL | UC |
| SL (Slim) | *blank* / CLT / FRT / BL / PD | AL / WH / BL | MC / 3M / MAG |
| SQ (Square) | *blank* / CLT / FRT / BL / PD | AL / WH / BL | MC / VC / RC / HNG |
| 45 (45°) | *blank* / CLT / FRT / BL / PD | AL / WH / BL | MC / VC / RC / HNG |
| 45DCO (45° Deco) | *blank* | AL | MC |
| 90 (90° Sideview) | *blank* | AL | MC |
| SCNC (Sconce) | *blank* | AL | 3M |
| REF (Reflector) | *blank* | AL | |
| REC (Recessed) | *blank* | AL | 3M |
| SLR (Slim Recessed) | *blank* | AL | |
| MI1 (1-inch Mud-In) | OPT | AL | |
| MI2 (2-inch Mud-In) | OPT | AL | |
| ROD (Rod) | *blank* | AL | RC / CLO / ART / ARM |
| WF (Waveform) | *blank* | AL | 3M / UC |

LEGEND

| Lens | | Finish | | Mounting | |
|---------|----------------------------------|--------|----------|----------|------------------|
| *blank* | Classic Frosted Lens | AL | Aluminum | 3M | 3M Adhesive |
| AFS | Architectural Frosted Satin Lens | WH | White | ARM | Wall Arm |
| BL | Black Lens | BL | Black | ART | Art Lighting Arm |
| CLT | Architectural Clear Lens | | | CLO | Closet Mount |
| FRT | Architectural Frosted Lens | | | HNG | Hanging Hardware |
| OPT | Opal Lens | | | MAG | Magnetic Clip |
| PD | Premium Diffusion Lens | | | MC | Mounting Clip |
| | | | | RC | Rotating Clip |
| | | | | UC | U-Clip |
| | | | | VC | Vertical Clip |

BLAZE™ COLORS 12V and 24V LED Tape Light

Solid-color tape light for everyday projects.

Date _____

Project Notes _____



RECOMMENDED CHANNELS

| MODEL | DIAGRAM | INCLUDED ACCESSORIES | CONNECTION OPTIONS | IN CHANNEL DIFFUSION | TECHNICAL RATINGS | MOUNTING OPTIONS WITH DIMENSIONS |
|---|---|--|---|--|---|--|
| A1 Channel DI-CHB-A1 (A1) 48", 90" Aluminum, White, Black For 14mm Tape Lights or smaller | Height (H): 0.31 in. Width (W): 0.67 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. | TB8 - 8mm Terminal Block (clear) Compatible | Architectural Frosted Lens BLAZE™ COLORS - BLC: Semi-Diffused | <ul style="list-style-type: none"> Beam Angle: 120° Architectural Frosted Lens Light Loss: 30% CCT Shift: -35K IP Rating Shift: IP40 | <p>U-Clip: 0.82 x 0.88 in. (H x W)</p> |
| A2 Channel DI-CHB-A2 (A2) 48", 96" Aluminum, White, Black For 12mm Tape Lights or smaller | Height (H): 0.55 in. Width (W): 0.63 in. Interior Depth (ID): 0.33 in. Interior Width (IW): 0.49 in. | 48" Aluminum, Black, & White Channels • 48 in. channel & lens • 2x surface mounting clips • End caps: 1x open, 1x closed. | TB8 - 8mm Terminal Block (clear) Compatible | Architectural Frosted Satin Lens BLAZE™ COLORS - BLC: Semi-Diffused | <ul style="list-style-type: none"> Beam Angle: 120° Architectural Frosted Lens Light Loss: 10% CCT Shift: -20K IP Rating Shift: IP40 | <p>U-Clip: 0.56 x 0.64 in. (H x W)</p> |
| A3 Channel DI-CHB-A3 (A3) 48", 96" Aluminum, White, Black For 12mm Tape Lights or smaller | Height (H): 0.39 in. Width (W): 0.63 in. Interior Depth (ID): 0.33 in. Interior Width (IW): 0.49 in. | 48" Aluminum, Black, & White Channels • 48 in. channel & lens • 2x surface mounting clips • End caps: 1x open, 1x closed. | TB8 - 8mm Terminal Block (clear) Compatible | Architectural Frosted Satin Lens BLAZE™ COLORS - BLC: Semi-Diffused | <ul style="list-style-type: none"> Beam Angle: 120° Architectural Clear Lens Light Loss: 10% CCT Shift: -20K IP Rating Shift: IP40 | <p>U-Clip: 0.4 x 0.64 in. (H x W)</p> |
| S1 Channel DI-CHB-S1 (S1) 48", 90" Aluminum For 14mm Tape Lights or smaller | Height (H): 0.31 in. Width (W): 0.67 in. Interior Depth (ID): 0.25 in. Interior Width (IW): 0.58 in. | 48 in. channel & frosted cover 2x surface mounting clips End caps: 1x open, 1x closed. | TB8 - 8mm Terminal Block (clear) Compatible | Classic Frosted Lens BLAZE™ COLORS - BLC: Semi-Diffused | <ul style="list-style-type: none"> Beam Angle: 120° Classic Frosted Lens Light Loss: 20% CCT Shift: -40K IP Rating Shift: IP40 | <p>U-Clip: 0.32 x 0.68 in. (H x W)</p> |

BLAZE™ COLORS 12V and 24V LED Tape Light

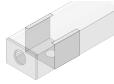
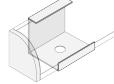
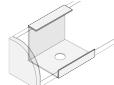
Solid-color tape light for everyday projects.

Date _____

Project Notes _____



RECOMMENDED CHANNELS

| MODEL | DIAGRAM | INCLUDED ACCESSORIES | CONNECTION OPTIONS | IN CHANNEL DIFFUSION | TECHNICAL RATINGS | MOUNTING OPTIONS WITH DIMENSIONS |
|---|---|--|---|--|---|--|
| S2 Channel DI-CHB-S2 (S2) 48", 96" Aluminum For 14mm Tape Lights or smaller | Height (H): 0.57 in. Width (W): 0.74 in. Interior Depth (ID): 0.34 in. Interior Width (IW): 0.63 in. | 48 in. Channel & Frosted Lens, 1 open end cap, 1 closed end cap, 2 mounting clips, 2 mounting screws 96 in. Channel & Frosted Lens, 2 open end cap, 2 closed end cap, 4 mounting clips, 4 mounting screws | TB8 - 8mm Terminal Block (clear) Compatible | Classic Frosted Lens BLAZE™ COLORS - BLC: Semi-Diffused | <ul style="list-style-type: none"> Beam Angle: 120° Classic Frosted Lens Light Loss: 20% CCT Shift: -40K IP Rating Shift: IP40 |  U-Clip: 0.58 x 0.75 in. (H x W) |
| S45 Channel DI-CHB-S45 (S45) 48", 96" Aluminum For 14mm Tape Lights or smaller | Height (H): 0.78 in. Width (W): 0.78 in. Interior Depth (ID): 0.54 in. Interior Width (IW): 0.6 in. | 48 in. Channel & Frosted Lens, 1 open end cap, 1 closed end cap, 2 mounting clips, 2 mounting screws 96 in. Channel & Frosted Lens, 2 open end cap, 2 closed end cap, 4 mounting clips, 4 mounting screws | TB8 - 8mm Terminal Block (clear) Compatible | Classic Frosted Lens BLAZE™ COLORS - BLC: Semi-Diffused | <ul style="list-style-type: none"> Beam Angle: 120° Classic Frosted Lens Light Loss: 20% CCT Shift: -40K IP Rating Shift: IP40 |  U-Clip: 0.79 x 0.79 in. (H x W) |
| 16mm Square Channel DI-CPCHB-16MM (16) 48", 96" Aluminum For 14mm Tape Lights or smaller | Height (H): 0.89 in. Width (W): 0.77 in. Interior Depth (ID): 0.58 in. Interior Width (IW): 0.63 in. | 48 in. channel & Architectural Frosted Lens 2x surface mounting clips End caps: 1x open, 1x closed. 96 in. channel & Architectural Frosted Lens 4x surface mounting clips End caps: 2x open, 2x closed. | TB8 - 8mm Terminal Block (clear) Compatible | Architectural Frosted Lens BLAZE™ COLORS - BLC: Semi-Diffused | <ul style="list-style-type: none"> Beam Angle: 120° Architectural Frosted Lens Light Loss: 30% CCT Shift: -35K IP Rating Shift: IP40 |  Mounting Clip: 0.89 x 0.77 in. (H x W) |
| 20mm Round Channel DI-CPCHB-RC20 (RC20) 48", 96" Aluminum For 14mm Tape Lights or smaller | Height (H): 1.18 in. Width (W): 1.18 in. Interior Depth (ID): 0.84 in. Interior Width (IW): 0.84 in. | 48 in. channel & frosted lens 2x surface mounting clips End caps: 1x open, 1x closed. 96 in. channel & frosted lens 4x surface mounting clips End caps: 2x open, 2x closed. | TB8 - 8mm Terminal Block (clear) Compatible | Classic Frosted Lens BLAZE™ COLORS - BLC: Semi-Diffused | <ul style="list-style-type: none"> Beam Angle: 180° Classic Frosted Lens Light Loss: 20% CCT Shift: -40K IP Rating Shift: IP40 |  U-Clip: 1.18 x 1.18 in. (H x W) |

BLAZE™ COLORS 12V and 24V LED Tape Light

Solid-color tape light for everyday projects.

Date _____

Project Notes _____



24
VDC

12
VDC



RECOMMENDED CHANNELS

| MODEL | DIAGRAM | INCLUDED ACCESSORIES | CONNECTION OPTIONS | IN CHANNEL DIFFUSION | TECHNICAL RATINGS | MOUNTING OPTIONS WITH DIMENSIONS |
|---|---|--|---|----------------------|---|--|
| 20mm Square Channel DI-CPCHB-SQC20 (SQ) 48", 96" Aluminum For 14mm Tape Lights or smaller | Height (H): 1.18 in. Width (W): 1.18 in. Interior Depth (ID): 0.84 in. Interior Width (IW): 0.84 in. | 48 in. channel & frosted lens 2x surface mounting clips End caps: 1x open, 1x closed. 96 in. channel & frosted lens 4x surface mounting clips End caps: 2x open, 2x closed. | TB8 - 8mm Terminal Block (clear) Compatible | | <ul style="list-style-type: none"> Beam Angle: 180° Classic Frosted Lens Light Loss: 20% CCT Shift: -40K IP Rating Shift: IP40 | U-Clip: 1.18 x 1.18 in. (H x W) |
| Slim Channel DI-CPCHB-SL (SL) 48", 96" Aluminum, White, Black For 14mm Tape Lights or smaller | Height (H): 0.38 in. Width (W): 0.82 in. Interior Depth (ID): 0.3 in. Interior Width (IW): 0.67 in. | 48" Aluminum, Black, & White Channels • 48 in. channel & lens • 2x surface mounting clips • End caps: 1x open, 1x closed 96" Aluminum, Black, & White Channels • 96 in. channel & lens • 4x surface mounting clips • end caps: 2x open, 2x closed | TB8 - 8mm Terminal Block (clear) Compatible | | <ul style="list-style-type: none"> Beam Angle: 120° Architectural Clear Lens Light Loss: 10% CCT Shift: -35K | Slim Mount: 0.54 x 0.87 in. (H x W) 3M Adhesive: 0.48 x 0.82 in. (H x W) Magnetic U-Clip: 0.59 x 0.82 in. (H x W) Premium Diffusion: 0.96 x 0.82 in. (H x W) |
| Square Channel DI-CPCHB-SQ (SQ) 48", 96" Aluminum, White, Black For 14mm Tape Lights or smaller | 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 lens • 2x surface mounting clips • 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 & frosted lens • 4x surface mounting clips • 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 | | <ul style="list-style-type: none"> Beam Angle: 120° Architectural Clear Lens Light Loss: 10% CCT Shift: -20K | Chromapath Surface Mount: 0.61 x 0.82 in. (H x W) Vertical Mount: 0.61 x 0.82 in. (H x W) Rotating Mount: 1.29 x 0.82 in. (H x W) Hanging Mount: 1.51 x 0.82 in. (H x W) |
| 45° Channel DI-CPCHB-45 (45) 48", 96" Aluminum, White, Black For 14mm Tape Lights or smaller | Height (H): 0.94 in. Width (W): 0.67 in. Interior Depth (ID): 0.32 in. Interior Width (IW): 0.67 in. | 48" Aluminum, 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 & clear, or frosted lens • 8x surface mounted clips • 4x End-to-end interconnects 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 | | <ul style="list-style-type: none"> Beam Angle: 120° Architectural Clear Lens Light Loss: 10% CCT Shift: -20K | Chromapath Surface Mount: 1 x 0.67 in. (H x W) Vertical Mount: 1 x 0.67 in. (H x W) Rotating Mount: 1.68 x 0.67 in. (H x W) Hanging Mount: 1.9 x 0.67 in. (H x W) |

BLAZE™ COLORS 12V and 24V LED Tape Light

Solid-color tape light for everyday projects.

Date _____

Project Notes _____



RECOMMENDED CHANNELS

| MODEL | DIAGRAM | INCLUDED ACCESSORIES | CONNECTION OPTIONS | IN CHANNEL DIFFUSION | TECHNICAL RATINGS | MOUNTING OPTIONS WITH DIMENSIONS |
|---|---------|---|--|----------------------|---|----------------------------------|
| 45° Deco Channel DI-CPCHB-45DCO (45DCO) 48", 96" Aluminum For 10mm Tape Lights or smaller | | Height (H): 0.73 in. Width (W): 0.73 in. Interior Depth (ID): 0.42 in. Interior Width (IW): 0.47 in. 48 in. channel & frosted cover Mounting hardware End caps: 1x open, 1x closed. 96 in. channel & frosted cover Mounting hardware End caps: 2x open, 2x closed. | 8mm Tape Light: Soldered Lead Only | | <ul style="list-style-type: none"> Beam Angle: 120° Classic Frosted Lens Light Loss: 20% CCT Shift: -40K IP Rating Shift: IP40 | |
| 90° Sideview Channel DI-CPCHB-90SD (90) 48", 96" Aluminum For 12mm Tape Lights or smaller | | Height (H): 0.92 in. Width (W): 0.92 in. Interior Depth (ID): 0.3 in. Interior Width (IW): 0.48 in. Mounting Canal Width (MC): 0.25 in. 48 in. channel & frosted cover Mounting hardware End caps: 1x open, 1x closed. 96 in. channel & frosted cover Mounting hardware End caps: 2x open, 2x closed. | 8mm Tape Light: Soldered Lead Only | | <ul style="list-style-type: none"> Beam Angle: 120° Classic Frosted Lens Light Loss: 20% CCT Shift: -40K IP Rating Shift: IP40 | |
| Sconce Channel DI-CPCHB-SCNC (SCNC) 48", 96" Aluminum For 14mm Tape Lights or smaller | | Height (H): 1.13 in. Width (W): 1.21 in. Interior Depth (ID): 0.53 in. Interior Width (IW): 0.84 in. 48 in. channel, 2x frosted cover Mounting plate End caps: 1x open, 1x closed. 96 in. channel, 2x frosted cover Mounting plate End caps: 1x open, 1x closed. | TBB8 - 8mm Terminal Block (clear) Compatible | | <ul style="list-style-type: none"> Beam Angle: 120° Classic Frosted Lens Light Loss: 20% CCT Shift: -40K IP Rating Shift: IP40 | |
| Reflector Channel DI-CPCHB-RFCTR (REF) 48", 96" Aluminum For 12mm Tape Lights or smaller | | Height (H): 2.75 in. Width (W): 1 in. Interior Depth (ID): 0.20 in. Interior Width (IW): 0.54 in. Cut Out Width (CO): 2.35 in. Recessed Wing (RW): 0.2 in. 48 in. channel & frosted cover End caps: 1x open, 1x closed. 96 in. channel & frosted cover End caps: 1x open, 1x closed. | 8mm Tape Light: Soldered Lead Only | | <ul style="list-style-type: none"> Beam Angle: 120° Classic Frosted Lens Light Loss: 20% CCT Shift: -40K IP Rating Shift: IP40 | |

BLAZE™ COLORS 12V and 24V LED Tape Light

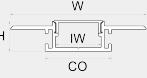
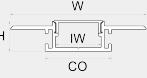
Solid-color tape light for everyday projects.

Date _____

Project Notes _____



RECOMMENDED CHANNELS

| MODEL | DIAGRAM | INCLUDED ACCESSORIES | CONNECTION OPTIONS | IN CHANNEL DIFFUSION | TECHNICAL RATINGS | MOUNTING OPTIONS WITH DIMENSIONS |
|---|---|---|---|--|---|---|
| Recessed Channel DI-CPCHB-REC (REC) 48", 96" Aluminum For 14mm Tape Lights or smaller | Height (H): 0.49 in. Width (W): 0.65 in. Interior Depth (ID): 0.42 in. Interior Width (IW): 0.59 in. Cut Out Width (CO): 0.74 in. Recessed Wing (RW): 0.15 in. | 48 in. channel & frosted lens 2x surface mounted clips end caps: 1x open, 1x closed 96 in. channel & frosted lens 4x surface mounted clips end caps: 2x open, 2x closed. | TB8 - 8mm Terminal Block (clear) Compatible | Classic Frosted Lens BLAZE™ COLORS - BLC: Semi-Diffused | <ul style="list-style-type: none"> Beam Angle: 120° Classic Frosted Lens Light Loss: 20% CCT Shift: -40K IP Rating Shift: IP40 |     |
| Slim Recessed Channel DI-CPCHB-SLR (SLR) 48", 96" Aluminum For 10mm Tape Lights or smaller | Height (H): 0.38 in. Width (W): 0.65 in. Interior Depth (ID): 0.28 in. Interior Width (IW): 0.43 in. Cut Out Width (CO): 0.49 in. Recessed Wing (RW): 0.08 in. | 48 in. channel & frosted lens End caps: 1x open square, 1x open round, 1x closed square 96 in. channel & frosted lens End caps: 1x open square, 1x open round, 1x closed square. | 8mm Tape Light: Soldered Lead Only | Classic Frosted Lens BLAZE™ COLORS - BLC: Semi-Diffused | <ul style="list-style-type: none"> Beam Angle: 120° Classic Frosted Lens Light Loss: 20% CCT Shift: -40K IP Rating Shift: IP40 |  |
| 1-inch Mud-In Channel DI-CPCHB-MUD1 (MI1) 48", 96" Aluminum For 14mm Tape Lights or smaller | Height (H): 0.54 in. Width (W): 2.42 in. Interior Depth (ID): 0.44 in. Interior Width (IW): 0.81 in. Cut Out Width (CO): 1.19 in. | 96 in. channel & opal lens 2x end-to-end connectors End caps: 2x open, 2x closed. | TB8 - 8mm Terminal Block (clear) Compatible | Opal Lens BLAZE™ COLORS - BLC: Semi-Diffused | <ul style="list-style-type: none"> Beam Angle: 120° Opal Lens Light Loss: 55% CCT Shift: -200K IP Rating Shift: IP40 |  |
| 2-inch Mud-In Channel DI-CPCHB-MUD2 (MI2) 48", 96" Aluminum For 14mm Tape Lights or smaller | Height (H): 0.8 in. Width (W): 3.86 in. Interior Depth (ID): 0.68 in. Interior Width (IW): 1.84 in. Cut Out Width (CO): 1.97 in. | 96 in. channel & opal lens 2x surface mounting clips End caps: 2x open, 2x closed. | TB8 - 8mm Terminal Block (clear) Compatible | Opal Lens BLAZE™ COLORS - BLC: Semi-Diffused | <ul style="list-style-type: none"> Beam Angle: 120° Opal Lens Light Loss: 55% CCT Shift: -200K IP Rating Shift: IP40 |  |

BLAZE™ COLORS 12V and 24V LED Tape Light

Solid-color tape light for everyday projects.

Date _____

Project Notes _____



RECOMMENDED CHANNELS

| MODEL | DIAGRAM | INCLUDED ACCESSORIES | CONNECTION OPTIONS | IN CHANNEL DIFFUSION | TECHNICAL RATINGS | MOUNTING OPTIONS WITH DIMENSIONS |
|---|--|---|--------------------|----------------------|--|--|
| Rod Channel DI-CPCHB-RDCL (ROD) 48", 96" Aluminum For 12mm Tape Lights or smaller | Height (H): 0.95 in. Width (W): 0.95 in. Interior Depth (ID): 0.5 in. Interior Width (IW): 0.48 in. Height W/o Cover (H/C): 0.72 in. | 78.74 in. channel & frosted lens 1x open end-cap, 1x closed end-cap 4x 180° swivel brackets 2x Closet Mounting Brackets 2x Support Brackets | | | <ul style="list-style-type: none"> Beam Angle: 180° Classic Frosted Lens Light Loss: 20% CCT Shift: -40K IP Rating Shift: IP40 | <p>Rotating Mount: 1.69 x 0.95 in. (H x W) Closet Mount: 1.28 x 3.25 in. (H x W) Art Lighting Arm: 2.72 x 10.15 in. (H x W) Wall Arm: 4.5 x 2.15 in. (H x W)</p> |
| Waveform Channel DI-CPCHB-WF (WF) 48" Aluminum For 12mm Tape Lights or smaller | Height (H): 0.3 in. Width (W): 0.71 in. Interior Depth (ID): 0.25 in. Interior Width (IW): 0.49 in. Height W/o Cover (H/C): 0.2 in. | 48 in. channel & frosted lens 2x surface mounting clips End caps: 1x open, 1x closed. | | | <ul style="list-style-type: none"> Beam Angle: 120° Min. Bend Radius: 8 in. Classic Frosted Lens Light Loss: 20% CCT Shift: -40K IP Rating Shift: IP40 | <p>3M Adhesive: 0.4 x 0.71 in. (H x W) U-Clip: 0.31 x 0.72 in. (H x W)</p> |

BLAZE™ COLORS 12V and 24V LED Tape Light

Solid-color tape light for everyday projects.

Date _____

Project Notes _____



RECOMMENDED 24V DRIVERS

| SKU | INPUT VOLTAGE / FREQUENCY | OUTPUT VOLTAGE | MAXIMUM LOAD | MINIMUM LOAD | CLASS 2 | DIMMABLE | LENGTH | WIDTH | HEIGHT |
|---|---------------------------|----------------|--------------|--------------------------------|---------|--|-----------|----------|----------|
| OMNIDRIVE® X Dimmable Driver | | | | | | | | | |
| Versatile driver for most high-performance dimming on ELV, TRIAC, and 0-10V systems. | | | | | | | | | |
| DI-ODX-24V30W-J | 120-277V | 24V | 30W | No Minimum Load | Yes | Yes | 6.5 in. | 3.7 in. | 1.57 in. |
| DI-ODX-24V60W-J | 120-277V | 24V | 60W | No Minimum Load | Yes | Yes | 7.4 in. | 3.7 in. | 1.57 in. |
| DI-ODX-24V96W-J | 120-277V | 24V | 96W | No Minimum Load | Yes | Yes | 8.66 in. | 3.7 in. | 1.57 in. |
| DI-ODX-24V120W-J | 120-277V | 24V | 120W | No Minimum Load | No | Yes | 8.66 in. | 3.7 in. | 1.57 in. |
| OMNIDRIVE® BASICS Electronic Dimmable Driver | | | | | | | | | |
| Compact electronic dimmable (ELV) driver for everyday projects. | | | | | | | | | |
| DI-ODBELV-24V60W-LPELV | 120V AC 50/60Hz, 0.5A | 24V | 60W | No Minimum Load | Yes | Yes | 5.5 in. | 4.7 in. | 0.96 in. |
| DI-ODBELV-24V60W | 120V AC 50/60Hz, 0.5A | 24V | 60W | No Minimum Load | Yes | Yes | 4.2 in. | 1.75 in. | 0.96 in. |
| DI-ODBELV-24V96W-LPS | 120V AC 50/60Hz, 0.83A | 24V | 96W | No minimum load | Yes | Yes | 11.25 in. | 3.75 in. | 1.9 in. |
| OMNIDRIVE® Electronic Dimmable Driver | | | | | | | | | |
| Our classic electronic dimmable (ELV) driver. Superior dimming and wide compatibility with popular dimmers. | | | | | | | | | |
| DI-TD-24V-45W-LPS3R | 90~135VAC at ~50/60Hz | 24V | 45W | Load at least 60% labeled load | Yes | Yes | 10.79 in. | 7.34 in. | 2.36 in. |
| DI-TD-24V-60W-LPS3R | 90 ~ 135VAC 50/60Hz | 24V | 60W | Load at least 60% labeled load | Yes | Yes. Not compatible with PWM controls. | 10.79 in. | 7.34 in. | 2.36 in. |
| PoE (Power over Ethernet) | | | | | | | | | |
| Constant voltage platform, ready for Power over Ethernet (inquire) | | | | | | | | | |

RECOMMENDED CONTROLLERS

| SKU | DESCRIPTION |
|---|--|
| CASAMBI® Controllers | |
| The CASAMBI controllers will remotely control your lighting through the app - downloadable for iOS & Android. | |
| CBU-PWM4 | CASAMBI PWM4 Single Color Dimming Controller |
| CBU-A2D | CASAMBI A2D 2 Channel 0-10V/DALI Controller |
| CBU-ASR | CASAMBI ASR 0-10V Controller |
| DI-CBU-PWM5-PRO | Casambi CBU-PWM5-Pro RGB/W/WW Applications, 5 x PWM for constant voltage lights, 4 amps/CH max |
| TOUCHDIAL™ Control Systems | |
| The TOUCHDIAL™ zone control system controls single color dimming, tunable white, and color changing LED lighting via mobile device and additional TOUCHDIAL controls. | |
| DI-RF-WMT-RGBW | TOUCHDIAL RGB(W) Wall Control - Single Zone |
| DI-RF-REC-CV-A | TOUCHDIAL Color Control System - WiFi Receiver |



BLAZE™ COLORS 12V and 24V LED Tape Light

Solid-color tape light for everyday projects.

Date _____

Project Notes _____



RECOMMENDED 12V DRIVERS

| SKU | INPUT VOLTAGE / FREQUENCY | OUTPUT VOLTAGE | MAXIMUM LOAD | MINIMUM LOAD | CLASS 2 | DIMMABLE | LENGTH | WIDTH | HEIGHT |
|---|---------------------------|----------------|--------------|--------------------------------|---------|----------|-----------|----------|----------|
| OMNIDRIVE® BASICS Electronic Dimmable Driver Compact electronic dimmable (ELV) driver for everyday projects. | | | | | | | | | |
| OMNIDRIVE® BASICS Electronic Dimmable Driver Specification Sheet Contains • Additional Models • Additional Features • Derating Curves • System Diagrams | | | | | | | | | |
| DI-ODX-12V30W-J | 120-277V | 12V | 30W | No Minimum Load | Yes | Yes | 6.5 in. | 3.7 in. | 1.57 in. |
| DI-ODX-12V60W-J | 120-277V | 12V | 60W | No Minimum Load | Yes | Yes | 7.4 in. | 3.7 in. | 1.57 in. |
| DI-ODX-12V100W-J | 120-277V | 12V | 100W | No Minimum Load | No | Yes | 8.66 in. | 3.7 in. | 1.57 in. |
| DI-ODX-12V120W-J | 120-277V | 12V | 120W | No Minimum Load | No | Yes | 8.66 in. | 3.7 in. | 1.57 in. |
| OMNIDRIVE® BASICS Electronic Dimmable Driver Compact electronic dimmable (ELV) driver for everyday projects. | | | | | | | | | |
| OMNIDRIVE® BASICS Electronic Dimmable Driver Specification Sheet Contains • Additional Models • Additional Features • Derating Curves • System Diagrams | | | | | | | | | |
| DI-ODBELV-12V60W-LPELV | 120V AC 50/60Hz, 0.5A | 12V | 60W | No Minimum Load | Yes | Yes | 5.5 in. | 4.7 in. | 0.96 in. |
| DI-ODBELV-12V60W | 120V AC 50/60Hz, 0.5A | 12V | 60W | No Minimum Load | Yes | Yes | 4.2 in. | 1.75 in. | 0.96 in. |
| OMNIDRIVE® Electronic Dimmable Driver Our classic electronic dimmable (ELV) driver. Superior dimming and wide compatibility with popular dimmers. | | | | | | | | | |
| OMNIDRIVE® Electronic Dimmable Driver Specification Sheet Contains • Additional Models • Additional Features • Derating Curves • System Diagrams | | | | | | | | | |
| DI-TD-12V-30W-LPS3R | 90~135VAC at ~50/60Hz | 12V | 30W | Load at least 60% labeled load | Yes | Yes | 10.79 in. | 7.34 in. | 2.36 in. |
| DI-TD-12V-45W-LPS3R | 90~135VAC at ~50/60Hz | 12V | 45W | Load at least 60% labeled load | Yes | Yes | 10.79 in. | 7.34 in. | 2.36 in. |
| PoE (Power over Ethernet) Constant voltage platform, ready for Power over Ethernet (inquire) | | | | | | | | | |

RECOMMENDED CONTROLLERS

| SKU | DESCRIPTION |
|--|--|
| CASAMBI® Controllers The CASAMBI controllers will remotely control your lighting through the app - downloadable for iOS & Android. | |
| CBU-PWM4 | CASAMBI PWM4 Single Color Dimming Controller |
| CBU-A2D | CASAMBI A2D 2 Channel 0-10V/DALI Controller |
| CBU-ASR | CASAMBI ASR 0-10V Controller |
| DI-CBU-PWM5-PRO | Casambi CBU-PWM5-Pro RGB/W/WW Applications, 5 x PWM for constant voltage lights, 4 amps/CH max |
| TOUCHDIAL™ Control Systems The TOUCHDIAL™ zone control system controls single color dimming, tunable white, and color changing LED lighting via mobile device and additional TOUCHDIAL controls. | |
| DI-RF-WMT-RGBW | TOUCHDIAL RGB(W) Wall Control - Single Zone |
| DI-RF-REC-CV-A | TOUCHDIAL Color Control System - WiFi Receiver |



BLAZE™ COLORS 12V and 24V LED Tape Light

Solid-color tape light for everyday projects.

Date _____

Project Notes _____

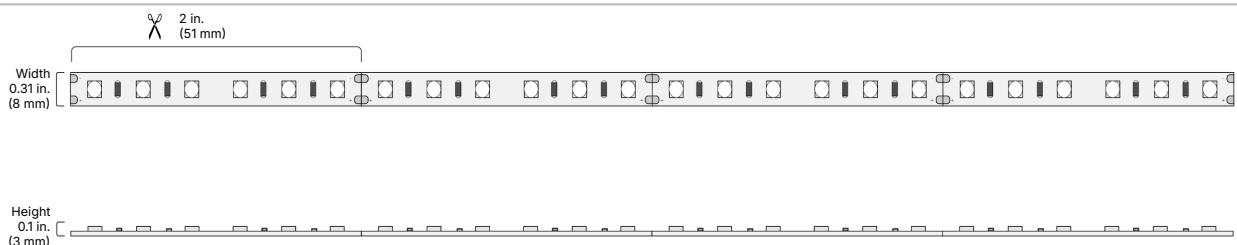


MECHANICAL DIAGRAMS

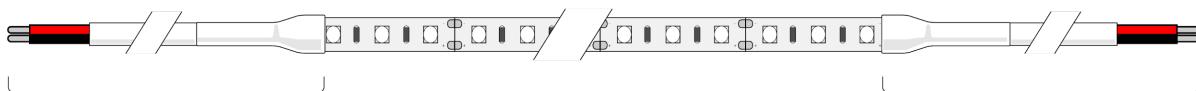
12V-BLC



24V-BLC



CONNECTIONS



2.5 Bare Lead 20/2 AWG UL 2464 Wire with Strain Relief

2.5 Bare Lead 20/2 AWG UL 2464 Wire with Strain Relief

BLAZE™ COLORS 12V and 24V LED Tape Light

Solid-color tape light for everyday projects.

Date _____



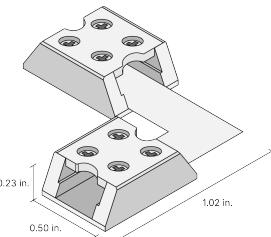
Project Notes _____



ACCESSORIES

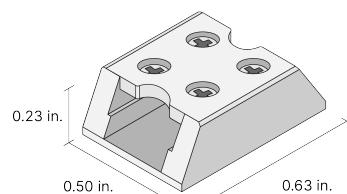
DI-TB8-90-TTT

Tape Light 90 Degree Corner Connector With Attached 8mm Tape-to-Tape Terminal Blocks - Pack of 1



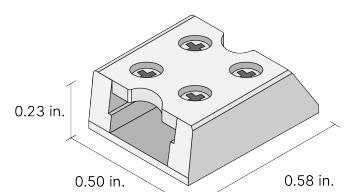
DI-TB8-CONN-TTT

Tape Light Terminal Block Connector, Screw Down, 8mm, Tape-To-Tape - Pack of 1



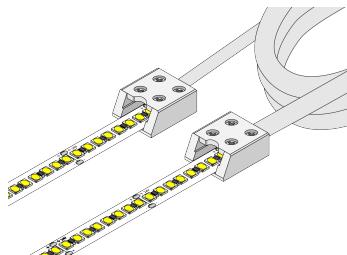
DI-TB8-CONN-TTW

Tape Light Terminal Block Connector, Screw Down, 8mm, Tape-To-Wire - Pack of 1



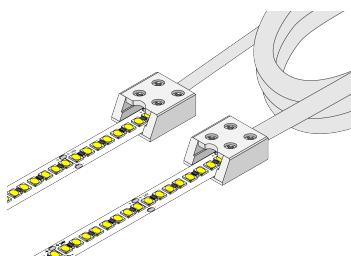
DI-TB8-6JPR-TTT

Tape Light Terminal Block, 8mm, Jumper Cable (Tape to Tape), 6 in. 20 AWG Wire Lead, White - Pack of 1



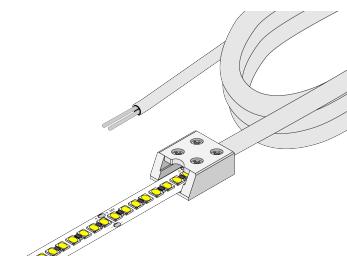
DI-TB8-60JPR-TTT

Tape Light Terminal Block, 8mm, Jumper Cable (Tape to Tape), 60 in. 20 AWG Wire Lead, White - Pack of 1



DI-TB8-60SPL-TTW

Tape Light Terminal Block, 8mm, Lead Wire Attached (Tape to Wire), 60 in. 20 AWG Splice Wire, White - Pack of 1



DELIVERY OPTIONS

- **Field Assembly**

Fastest order fulfillment. Field connectors and accessories not included.

- **Factory + Field (Hybrid)**

Onsite modifications with factory connection. Additional accessories not included.

- **Factory Assembly**

Fastest installation. Factory made-to-order fixtures.

- Lumen value measured in accordance to IES LM-80-08. LED chips have a luminous flux range with a tolerance of +/- 5%.
- Each maximum run requires a dedicated power feed from the driver. Do not extend beyond the recommended maximum run length. Max run may exceed Class 2 limit. Actual wattage may differ from calculated wattage due to voltage drop across run.
- Do not install product in an environment outside the listed ambient temperature. Exceeding the maximum ambient temperature may damage LED chips, reduce the total lamp life, lumen output, and/or adversely impact color consistency.
- Actual efficacy value is dependent to specified LED driver (power supply). An estimated efficacy value can be calculated as follows: Lumen value divided by average power consumption per foot.
- Operating temperature is measured according to the minimum and maximum ambient temperature environment.

BLAZE™ COLORS 12V and 24V LED Tape Light

Solid-color tape light for everyday projects.

Date _____

Project Notes _____



CERTIFICATIONS

Safety

- UL Listed 2108 Low Voltage Lighting System / Low Voltage Luminaire. UL 1598 / CSA 250.0-08, UL 8750. UL 879 / CAN/CSA-C22.2 no. 207-M89. Certified for United States and Canada. File # E469769.
- UL Listed Field Cuttable.
- UL Recognized Component - Sign Accessories. Available in UL Sign Components Manual (SAM Manual). File # E469770.
- CE & EMC Compliant: Verification No. GZEM141200683705V

Environment

- Ambient Temperature: -4 ~ 122°F (-20 ~ 50°C)
- Operating Temperature: -4 ~ 176°F (-20 ~ 80°C)
- RoHS Compliant: Verification No. CANEC1610091501

Performance

- LED chip data measured in accordance to IES LM-80-08.
- Photometric & Colorimetry data measured in accordance to IES LM-79-08, in Elemental LED's Innovation Lab.

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.
- Only use copper wiring. Use wires rated for at least 176°F (80°C) and certified for use with external connection of electrical equipment.
- Each maximum run requires a dedicated power feed from the driver. Do not extend beyond the recommended maximum run length.
- Tape light, attached wire leads, and additional extension cables, connectors, etc., are not rated for in-wall installation unless otherwise noted. Tape light and attached wire leads are field-cuttable.
- 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

- 12 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 in-field 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.