

BLAZE™ 4200K 12V/24V LED Tape Light

Performance and value for everyday projects.
Our most popular tape light, available in a wide range of color temperatures and outputs.

<https://www.diodeled.com/blade-basics-led-tape-light.html>

Date _____

Project Notes _____



FEATURES

- 90+ and 90+ CRI
- 12V and 24V platforms
- Can comply with Title 24 Part 6 JA8 requirements
- Precision color rendering with 90+ R9 value
- 100/200/300 lumen outputs
- 3M™ adhesive backing
- 7 Year and See Individual Components limited warranties



ORDERING CODES

Order spools, and components for field assembly

OPTIONAL ORDERING CODES

Mounting, drivers, and assembly preference

Diode LED	Voltage	Model	CCT	Length	Channels	Finish	Mounting	Driver	Delivery
DI									
	12V	BLBSC1	42 (4200K)	16 (16.4 ft.)	SL (Slim)	AL (Aluminum)	3M (3M Adhesive)	ELV (Electronic)	O/O (On / Off)
	24V	BLBSC2		100 (100 ft.)	CA (Canal)	WH (White)	MC (Mounting Clip)	010 (0-10V)	LUT (Lutron)
					S1 (S1)	BL (Black)	UC (U-Clip)	MAG (Magnetic)	PoE (Power over Ethernet)
					RC10 (10mm Round)			RC (Rotating Clip)	SWX (Switchex)
					SQ10 (10mm Square)				

Model	12V-BLBSC1	12V-BLBSC2	24V-BLBSC1	24V-BLBSC2
Voltage	12V	12V	24V	24V
Wattage	1.46 W/ft.	2.93 W/ft.	1.46 W/ft.	2.93 W/ft.
Lumens 4200K	131/ft.	252/ft.	133/ft.	265/ft.
Cut Points	2 in.	1 in.	4 in.	2 in.
Max Run (ft.)	27 ft.	20 ft.	55 ft.	40 ft.
Max Run (Class 2)	41 ft.	20 ft.	65 ft.	32 ft.
LED Chips	18/ft.	36/ft.	18/ft.	36/ft.
Chip Type	2835	2835	2835	2835
CRI	90+	90+	90+	90+
Dimensions	0.31 in. x 0.1 in. (W x H)	0.31 in. x 0.1 in. (W x H)	0.31 in. x 0.1 in. (W x H)	0.31 in. x 0.1 in. (W x H)
TM-30 (LM-80)	>50,000 hours	>50,000 hours	>50,000 hours	>50,000 hours
Environment	Indoor / Damp Location (IP20)	Indoor / Damp Location (IP20)	Indoor / Damp Location (IP20)	Indoor / Damp Location (IP20)
Ambient Temperature	-4 ~ 122°F (-20 ~ 50°C)	-4 ~ 122°F (-20 ~ 50°C)	-4 ~ 122°F (-20 ~ 50°C)	-4 ~ 122°F (-20 ~ 50°C)
Operating Temperature	-4 ~ 176°F (-20 ~ 80°C)	-4 ~ 176°F (-20 ~ 80°C)	-4 ~ 176°F (-20 ~ 80°C)	-4 ~ 176°F (-20 ~ 80°C)
Certification	UL Listed 2108	UL Listed 2108	UL Listed 2108	UL Listed 2108
Warranty	7 Year	7 Year	7 Year	7 Year

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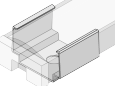
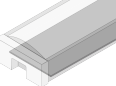


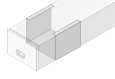

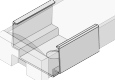

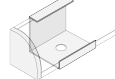

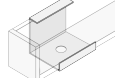

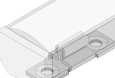

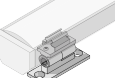
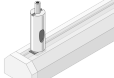

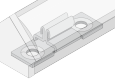

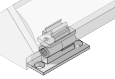
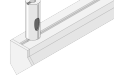




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RECOMMENDED CHANNELS

MODEL	DIAGRAM	INCLUDED ACCESSORIES	CONNECTION OPTIONS	IN CHANNEL DIFFUSION	TECHNICAL RATINGS	MOUNTING OPTIONS WITH DIMENSIONS
Slim Channel DI-CPCHB-SL (SL) 48", 96" Aluminum, White, Black For 14mm Tape Lights or smaller		<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> 12mm Terminal Block Soldered Lead 	BLBSC1: Semi-Diffused BLBSC2: Dotless	<ul style="list-style-type: none"> Beam Angle: 120° Frosted Lens Light Loss: 20% CCT Shift: ±5% Warmer IP Rating Shift: IP40 	  
Canal Channel DI-CPCHB-CAN (CA) 48", 96" Aluminum, White, Black For 14mm Tape Lights or smaller		<ul style="list-style-type: none"> 48 in. channel & opal lens 2x surface mounting clips End caps: 1x open, 1x closed. 96 in. channel & opal lens 4x surface mounting clips End caps: 2x open, 2x closed. 	<ul style="list-style-type: none"> Soldered Lead Only 	BLBSC1: Semi-Diffused BLBSC2: Dotless	<ul style="list-style-type: none"> Beam Angle: 120° Opal Lens Light Loss: 55% CCT Shift: ±10% Warmer IP Rating Shift: IP40 	
S1 Channel DI-CHB-S1 (S1) 48", 90" Aluminum For 14mm Tape Lights or smaller		<ul style="list-style-type: none"> 48 in. channel & frosted cover 2x surface mounting clips End caps: 1x open, 1x closed. 90 in. channel & frosted cover 4x surface mounting clips End caps: 2x open, 2x closed. 	<ul style="list-style-type: none"> Soldered Lead Only 	BLBSC1: Semi-Diffused BLBSC2: Dotless	<ul style="list-style-type: none"> Beam Angle: 120° Frosted Lens Light Loss: 20% CCT Shift: ±5% Warmer IP Rating Shift: IP40 	
10mm Round Channel DI-CPCHB-RC10 (RC10) 48", 96" Aluminum For 8mm Tape Lights or smaller		<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> Soldered Lead Only 	BLBSC1: Semi-Diffused BLBSC2: Dotless	<ul style="list-style-type: none"> Beam Angle: 180° Frosted Lens Light Loss: 20% CCT Shift: ±5% Warmer IP Rating Shift: IP40 	
10mm Square Channel DI-CPCHB-SQC10 (SQ10) 48", 96" Aluminum For 8mm Tape Lights or smaller		<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> Soldered Lead Only 	BLBSC1: Semi-Diffused BLBSC2: Dotless	<ul style="list-style-type: none"> Beam Angle: 180° Frosted Lens Light Loss: 20% CCT Shift: ±5% Warmer IP Rating Shift: IP40 	
Square Channel DI-CPCHB-SQ (SQ) 48", 96" Aluminum, White, Black For 14mm Tape Lights or smaller		<ul style="list-style-type: none"> 48 in. channel & clear, or frosted lens 4x surface mounted clips 2x End-to-end interconnects 96 in. channel & clear, or frosted lens 8x surface mounted clips 4x End-to-end interconnects 	<ul style="list-style-type: none"> 12mm Terminal Block Soldered Lead 	BLBSC1: Semi-Diffused BLBSC2: Dotless	<ul style="list-style-type: none"> Beam Angle: 120° Clear Lens Light Loss: 5% CCT Shift: ±1% Warmer Frosted Lens Light Loss: 20% CCT Shift: ±5% Warmer IP Rating Shift: IP40 	   
45° Channel DI-CPCHB-45 (45) 48", 96" Aluminum, White, Black For 14mm Tape Lights or smaller		<ul style="list-style-type: none"> 48 in. channel & clear, or frosted lens 4x surface mounted clips 2x End-to-end interconnects 96 in. channel & clear, or frosted lens 8x surface mounted clips 4x End-to-end interconnects 	<ul style="list-style-type: none"> 12mm Terminal Block Soldered Lead 	BLBSC1: Semi-Diffused BLBSC2: Dotless	<ul style="list-style-type: none"> Beam Angle: 120° Clear Lens Light Loss: 5% CCT Shift: ±1% Warmer Frosted Lens Light Loss: 20% CCT Shift: ±5% Warmer IP Rating Shift: IP40 	   
45° Deco Channel DI-CPCHB-45DCO (45DCO) 48", 96" Aluminum For 10mm Tape Lights or smaller		<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> Soldered Lead Only 	BLBSC1: Semi-Diffused BLBSC2: Dotless	<ul style="list-style-type: none"> Beam Angle: 120° Frosted Lens Light Loss: 20% CCT Shift: ±5% Warmer IP Rating Shift: IP40 	
90° Sideview Channel DI-CPCHB-90SD (90) 48", 96" Aluminum For 12mm Tape Lights or smaller		<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> Soldered Lead Only 	BLBSC1: Semi-Diffused BLBSC2: Dotless	<ul style="list-style-type: none"> Beam Angle: 120° Frosted Lens Light Loss: 20% CCT Shift: ±5% Warmer IP Rating Shift: IP40 	

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










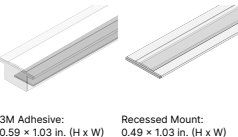







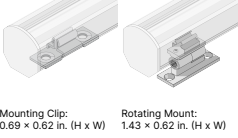



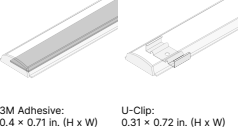
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MODEL	DIAGRAM	INCLUDED ACCESSORIES	CONNECTION OPTIONS	IN CHANNEL DIFFUSION	TECHNICAL RATINGS	MOUNTING OPTIONS WITH DIMENSIONS
Rod Channel DI-CPCHB-RDCL (ROD) 48", 96" Aluminum For 12mm Tape Lights or smaller		<ul style="list-style-type: none"> 78.74 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"> Soldered Lead Only 		<ul style="list-style-type: none"> Beam Angle: 180° Frosted Lens Light Loss: 20% CCT Shift: ±5% Warmer IP Rating Shift: IP40 	
1-inch Mud-In Channel DI-CPCHB-MUD1 (MI1) 48", 96" Aluminum For 14mm Tape Lights or smaller		<ul style="list-style-type: none"> 96 in. channel & opal lens 2x surface mounting clips End caps: 2x open, 2x closed. 	 <ul style="list-style-type: none"> 12mm Terminal Block Soldered Lead 		<ul style="list-style-type: none"> Beam Angle: 120° Opal Lens Light Loss: 55% CCT Shift: ±10% Warmer IP Rating Shift: IP40 	
Recessed Channel DI-CPCHB-REC (REC) 48", 96" Aluminum For 14mm Tape Lights or smaller		<ul style="list-style-type: none"> 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. 	 <ul style="list-style-type: none"> 12mm Terminal Block Soldered Lead 		<ul style="list-style-type: none"> Beam Angle: 120° Frosted Lens Light Loss: 20% CCT Shift: ±10% Warmer IP Rating Shift: IP40 	
Slim Recessed Channel DI-CPCHB-SLR (SLR) 48", 96" Aluminum For 10mm Tape Lights or smaller		<ul style="list-style-type: none"> 48 in. channel & frosted cover End caps: 1x open square, 1x open round, 1x closed square 96 in. channel & frosted cover End caps: 1x open square, 1x open round, 1x closed square. 	 <ul style="list-style-type: none"> Soldered Lead Only 		<ul style="list-style-type: none"> Beam Angle: 120° Frosted Lens Light Loss: 20% CCT Shift: ±5% Warmer IP Rating Shift: IP40 	
Grazer Channel DI-CPCHB-GZRNB (GZR) 48", 96" Aluminum For 10mm Tape Lights or smaller		<ul style="list-style-type: none"> 48 in. channel & clear matte optic lens 96 in. channel & clear matte optic lens 	 <ul style="list-style-type: none"> Soldered Lead Only 		<ul style="list-style-type: none"> Beam Angle: 24° Clear Lens Light Loss: 5% CCT Shift: ±1% Warmer IP Rating Shift: IP40 	
Waveform Channel DI-CPCHB-WF (WF) 48" Aluminum For 12mm Tape Lights or smaller		<ul style="list-style-type: none"> 48 in. channel & frosted lens 2x surface mounting clips End caps: 1x open, 1x closed. 	 <ul style="list-style-type: none"> Soldered Lead Only 		<ul style="list-style-type: none"> Beam Angle: 120° Frosted Lens Light Loss: 20% CCT Shift: ±5% Warmer IP Rating Shift: IP40 	

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RECOMMENDED 12V DRIVERS

SKU	INPUT VOLTAGE / FREQUENCY	OUTPUT VOLTAGE	MAXIMUM LOAD	MINIMUM LOAD	CLASS 2 LISTED	DIMMABLE	LENGTH	WIDTH	HEIGHT	DERATION
OMNIDRIVE® X Dimmable Driver Versatile driver for most high-performance dimming on ELV, TRIAC, and 0-10V systems. https://www.diodeled.com/custom/download/productFile/filename/omnidrive-x-specification-sheet.pdf										
DI-ODX-12V30W-J	120-277V	12VDC	30W	No minimum load	Yes	Yes	6.5 in.	3.7 in.	1.36 in.	See Driver Specification Sheet for Deration Curves.
DI-ODX-12V60W-J	120-277V	12VDC	60W	No minimum load	Yes	Yes	7.4 in.	3.7 in.	1.36 in.	See Driver Specification Sheet for Deration Curves.
DI-ODX-12V100W-J	120-277V	12VDC	100W	No minimum load	No	Yes	8.66 in.	3.7 in.	1.36 in.	See Driver Specification Sheet for Deration Curves.
DI-ODX-12V120W-J	120-277V	12VDC	120W	No minimum load	No	Yes	8.66 in.	3.7 in.	1.36 in.	See Driver Specification Sheet for Deration Curves.
DI-ODX-12V200W-J	120-277V	12VDC	200W	No minimum load	No	Yes	10.24 in.	4.92 in.	1.95 in.	See Driver Specification Sheet for Deration Curves.
0-10V Dimmable LED Driver Driver for cost-effective dimming on 0-10V control systems. https://www.diodeled.com/custom/download/productFile/filename/DI-DM-0-10V-Specification%20Sheet.pdf										
DI-DM-MW12V40W-0-10V	0.6A@115VAC, 0.3A@230VAC, 0.25A@277VAC	12VDC	40W	No minimum load	Yes	Yes, with any 0-10V dimmer or control.	5.9 in.	2.1 in.	1.4 in.	See Driver Specification Sheet for Deration Curves.
DI-DM-MW12V60W-0-10V	120 ~ 277VAC 50/60Hz	12VDC	60W	No minimum load	Yes	Yes, with any 0-10V dimmer or control.	5.9 in.	2.1 in.	1.4 in.	See Driver Specification Sheet for Deration Curves.
VLM Series Constant Voltage Driver Compact driver for on/off, PWM dimming, and color-changing applications. https://www.diodeled.com/custom/download/productFile/filename/VLM-Specification%20Sheet%20(Driver%20%20J-Box).pdf										
VLM100W-12	120 / 277VAC 47 ~ 63Hz	12VDC	100W	No Minimum Load	Yes	PWM	5.38 in.	1 in.	0.77 in.	See Driver Specification Sheet for Deration Curves.
VLM120W-12-LPL	120 / 277VAC 47 ~ 63Hz	12VDC	120W	No Minimum Load	No	PWM	13.5 in.	4.5 in.	2.38 in.	See Driver Specification Sheet for Deration Curves.
MEANWELL Constant Voltage Driver Drivers for on/off or PWM dimming applications.										
DI-0906	90 ~ 264VAC 47 ~ 63Hz	12VDC	60W	No minimum load	Yes	Yes, PWM & RGB(W) dimmers/controls & DMX controls	6.4 in.	1.67 in.	1.26 in.	See Driver Specification Sheet for Deration Curves.
DI-0908	85 ~ 264VAC 47 ~ 63Hz	12VDC	150W	No minimum load	No	On/Off Switching Only	8.3 in.	3.9 in.	2 in.	See Driver Specification Sheet for Deration Curves.
DI-0909	85 ~ 264VAC 50/60Hz	12VDC	200W	No minimum load	No	On/Off Switching Only	8.3 in.	3.9 in.	2 in.	See Driver Specification Sheet for Deration Curves.
PoE (Power over Ethernet) Constant voltage platform, ready for Power over Ethernet (inquire)										

RECOMMENDED CONTROLLERS

SKU	DESCRIPTION
SWITCHEX® Driver and Dimmer Switch LED driver and dimmer switch combined in a single gang box.	
DI-12V-SE-40W	SWITCHEX 12V Switch/Driver Combo - 40W
DI-12V-SE-60W	SWITCHEX 12V Switch/Driver Combo - 60W
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-REM-DIM-1	TOUCHDIAL Mini Remote - Single Zone
DI-RF-WPD-DIM-2	TOUCHDIAL Paddle Dimmer - Two Zone
DI-RF-REM-DIM-1	TOUCHDIAL Mini Remote - Single Zone



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RECOMMENDED 24V DRIVERS

SKU	INPUT VOLTAGE / FREQUENCY	OUTPUT VOLTAGE	MAXIMUM LOAD	MINIMUM LOAD	CLASS 2 LISTED	DIMMABLE	LENGTH	WIDTH	HEIGHT	DERATION
OMNIDRIVE® X Dimmable Driver Versatile driver for most high-performance dimming on ELV, TRIAC, and 0-10V systems. https://www.diodeled.com/custom/download/productFile/filename/omnidrive-x-specification-sheet.pdf										
DI-ODX-24V30W-J	120-277V	24VDC	30W	No minimum load	Yes	Yes	6.5 in.	3.7 in.	1.36 in.	See Driver Specification Sheet for Deration Curves.
DI-ODX-24V60W-J	120-277V	24VDC	60W	No minimum load	Yes	Yes	7.4 in.	3.7 in.	1.36 in.	See Driver Specification Sheet for Deration Curves.
DI-ODX-24V96W-J	120-277V	24VDC	96W	No minimum load	Yes	Yes	8.66 in.	3.7 in.	1.36 in.	See Driver Specification Sheet for Deration Curves.
DI-ODX-24V120W-J	120-277V	24VDC	120W	No minimum load	No	Yes	8.66 in.	3.7 in.	1.36 in.	See Driver Specification Sheet for Deration Curves.
DI-ODX-24V200W-J	120-277V	24VDC	200W	No minimum load	No	Yes	10.24 in.	4.92 in.	1.95 in.	See Driver Specification Sheet for Deration Curves.
0-10V Dimmable LED Driver Driver for cost-effective dimming on 0-10V control systems. https://www.diodeled.com/custom/download/productFile/filename/DI-DM-0-10V-Specification%20Sheet.pdf										
DI-DM-MW24V60W-0-10V	120 ~ 277VAC 50/60Hz	24VDC	60W	No minimum load	Yes	Yes, with any 0-10V dimmer or control.	5.9 in.	2.1 in.	1.4 in.	See Driver Specification Sheet for Deration Curves.
DI-DM-MW24V90W-0-10V	120 ~ 277VAC 50/60Hz	24VDC	90W	No minimum load	Yes	Yes, with any 0-10V dimmer or control.	6.8 in.	2.5 in.	1.5 in.	See Driver Specification Sheet for Deration Curves.
DI-DM-24V100W-0-10V	100-277VAC 50/60Hz	24VDC	100W	No minimum load	Yes	Yes. May be paired with a compatible 0-10V control / dimmer.	9.5 in.	2.4 in.	1.46 in.	See Driver Specification Sheet for Deration Curves.
VLM Series Constant Voltage Driver Compact driver for on/off, PWM dimming, and color-changing applications. https://www.diodeled.com/custom/download/productFile/filename/VLM-Specification%20Sheet%20(Driver%20%20J-Box).pdf										
VLM60W-24	120 / 277VAC 47 ~ 63Hz	24VDC	60W	No Minimum Load	Yes	PWM	5.1 in.	0.75 in.	0.77 in.	See Driver Specification Sheet for Deration Curves.
OMNIDRIVE® Electronic Dimmable Driver Our most popular electronic dimmable (ELV) driver. Superior dimming and wide compatibility with popular dimmers. https://www.diodeled.com/custom/download/productFile/filename/omnidrive-outdoor-electronic-dimmable-driver-specification-sheet.pdf										
DI-TD-24V-60W	90 ~ 135VAC 50/60Hz	24VDC	60W	Load at least 60% labeled load	Yes	Yes. Not compatible with PWM controls.	7.9 in.	2.7 in.	1.8 in.	See Driver Specification Sheet for Deration Curves.
DI-TD-24V-80W	90 ~ 135VAC 50/60Hz	24VDC	80W	Load at least 60% labeled load	Yes	Yes. Not compatible with PWM controls.	7.9 in.	2.7 in.	1.8 in.	See Driver Specification Sheet for Deration Curves.
DI-TD-24V-96W	90 ~ 135VAC 50/60Hz	24VDC	96W	Load at least 60% labeled load	Yes	Yes. Not compatible with PWM controls.	7.9 in.	2.7 in.	1.8 in.	See Driver Specification Sheet for Deration Curves.
PoE (Power over Ethernet) Constant voltage platform, ready for Power over Ethernet (inquire)										

RECOMMENDED CONTROLLERS

SKU	DESCRIPTION
SWITCHEX® Driver and Dimmer Switch LED driver and dimmer switch combined in a single gang box.	
DI-24V-SE-60W	SWITCHEX 24V Switch/Driver Combo - 60W
DI-24V-SE-100W	SWITCHEX 24V Switch/Driver Combo - 100W
CASAMBI® Controllers The CASAMBI controllers will remotely control your lighting through the app - downloadable for IOS & Android.	
CBU-A2D	CASAMBI A2D 2 Channel 0-10V/DALI Controller
CBU-ASR	CASAMBI ASR 0-10V Controller
CBU-PWM4	CASAMBI PWM4 Single Color Dimming Controller



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<https://www.diodeled.com/blade-basics-led-tape-light.html>

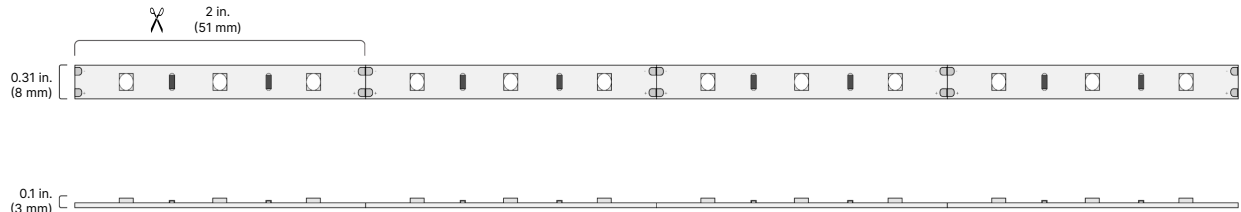


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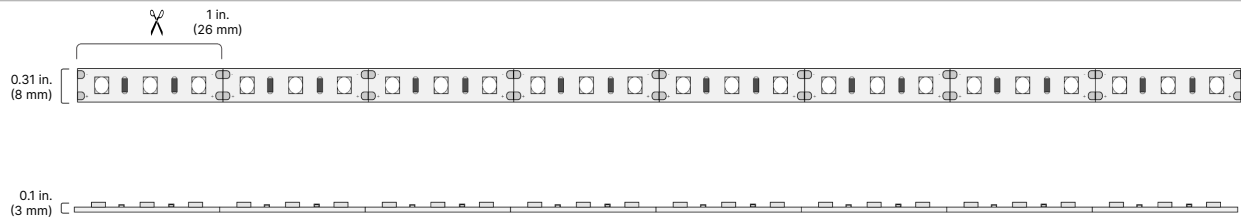
Project Notes _____

MECHANICAL DIAGRAMS

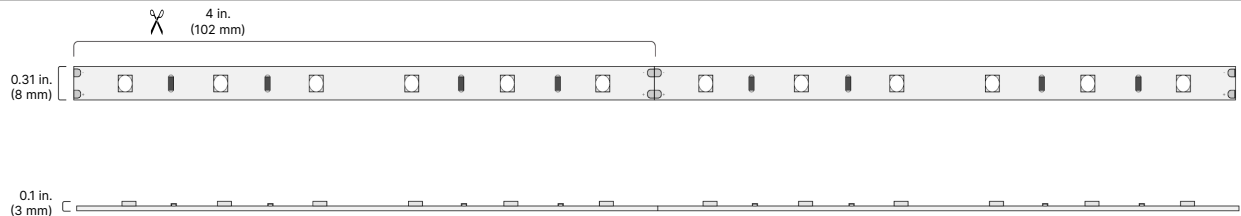
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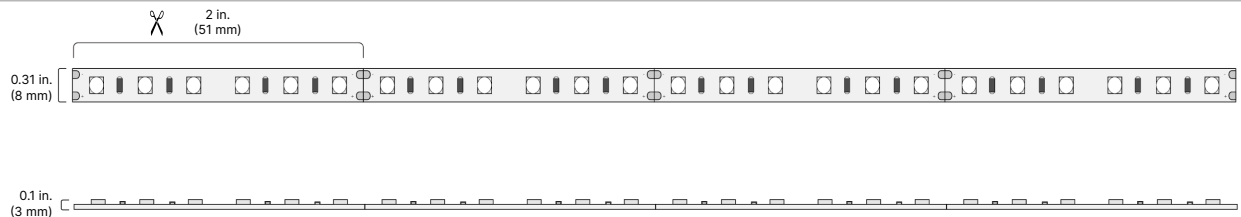
12V-BLBSC2



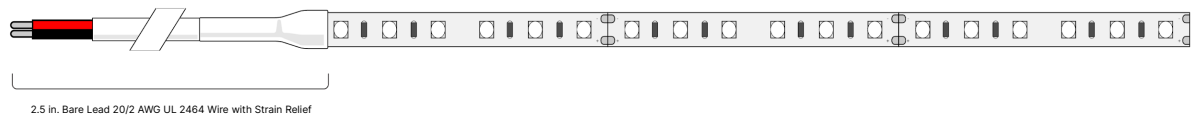
24V-BLBSC1



24V-BLBSC2



CONNECTIONS



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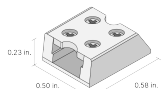
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Project Notes _____

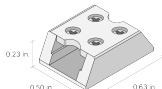


TERMINAL BLOCK CONNECTORS

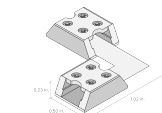
DI-TB8-CONN-TTW (Tape-to-Wire) 8mm Tape-to-Wire Connector



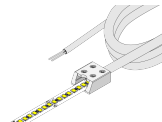
DI-TB8-CONN-TTT (Tape-to-Tape) 8mm Tape-to-Tape Connector



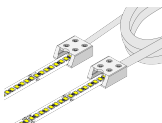
DI-TB8-90-TTT (Tape-to-Tape) 8mm 90° Tape-to-Tape Connector



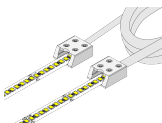
DI-TB8-60SPL-TTW (60 in.) (Tape-to-Wire) Splice Wire (Tape-to-Wire)



DI-TB8-6JPR-TTT (6 in.) (Tape-to-Tape) Jumper Cable (Tape-to-Tape)



DI-TB8-60JPR-TTT (60 in.) (Tape-to-Tape) Jumper Cable (Tape-to-Tape)



DELIVERY OPTIONS

- **Field Assembly**
Stock items for in-field assembly. Fastest order fulfillment.
- **Factory + Field (Hybrid)**
Finished lengths of light with leads. Channels either bulk or factory finished. Some field assembly required.
- **Factory Assembly**
Fastest installation: fixtures fully assembled in the factory.

- 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.

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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 Recognized Component - Sign Accessories. Available in UL Sign Components Manual (SAM Manual). File # E469770.

Environmental

- RoHS Compliant: Verification No. CANEC1610091501

Performance

- Can be used to comply with TITLE 24 Part 6 High efficacy LED requirements - JA8-2016-E
- LED chip data measured in accordance to IES LM-80-08.

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. Only use copper wiring. Use wires rated for at least 176°F (80°C) and certified for use with external connection of electrical equipment.
4. Each maximum run requires a dedicated power feed from the driver. Do not extend beyond the recommended maximum run length.
5. 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.
6. 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.
7. Do not install in environment where LED chips are exposed to direct sunlight as damage to the phosphor will occur.
8. Do not install in environment where excessive heat may exist (ex. close proximity to fireplace, etc.) See Ambient Temperature ratings
9. 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.
10. Do not modify product beyond instructions or warranty will be void.
11. Tape light must be handled with care. Excessive handling, bending, and pressure may damage the product, voiding the warranty.
12. Actual color may vary from what is pictured on this sheet and other print materials due to the limitations of photographic processes.
13. 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

- 7 Years

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.