

VALENT® X Wet Location High Density LED Tape Light

Precision-engineered, high density tape light for wet locations (IP65).
Up to 500+ lumens per foot with 95+ CRI / 90+ R9.

Date _____

Project Notes _____



FEATURES

- Dense LED placement for uninterrupted linear light
- 500 Lumen output
- 95+ CRI
- 1.32 inch cuttable increments
- Precision color rendering with 90+ R9 value
- Ultra high lumen output
- 12 Year Limited Warranty



ORDERING CODES

Order spools, and components for field assembly

HYBRID ORDERING CODE (OPTIONAL)

Soldered Wire Lead and Connection Options

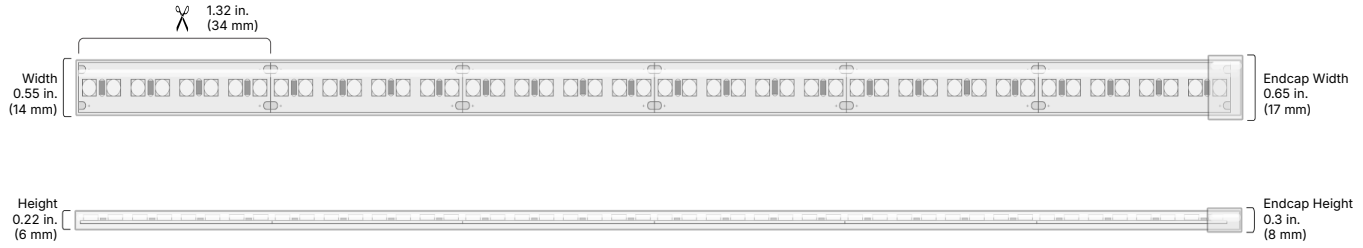
DI	Voltage	Model	CCT	Length	Input Wire Color, Length, and Connection			Output Wire Color, Length, and Connection		
					Color & Type	Length	Connection	Color & Type	Length	Connection
	24V (24V Volt)	VLX5	24 (2400K)	W016 (16 feet wet location)	WH (White CL2 - Default)	36l (36 in. - Default)	BW (Bare Wire - Default)	WH (White CL2)	blank* (No Wire - Default)	BW (Bare Wire - Default)
			27 (2700K)	W100 (100 feet wet location)	BL (Black CL2)	__ in.	DC (Barrel)	BL (Black CL2)	__ in.	DC (Barrel)
			30 (3000K)	WCSTM_ (__in.) wet location	SV (Silver Plenum - Bare Lead only)		MIC (Interconnect)	SV (Silver Plenum - Bare Lead only)		MIC (Interconnect)
			35 (3500K)							
			40 (4000K)							

GENERAL SPECIFICATIONS (ALL MODELS)

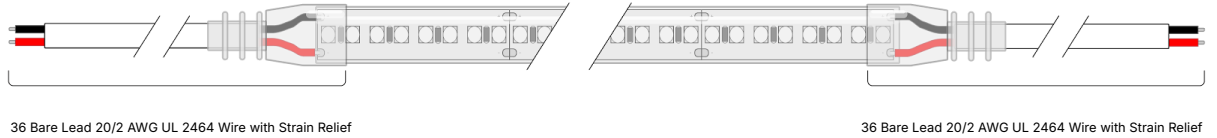
Voltage	24VDC
Wattage	4.6W/ft.
2400K	466 Lm/ft.
2700K	437 Lm/ft.
3000K	469 Lm/ft.
3500K	492 Lm/ft.
4000K	480 Lm/ft.
Cut Points	1.32 in.
Dimmable	Yes
Max Run (ft.)	30 ft.
CRI	95+
Dimensions	0.55 x 0.22 in. (W x H)
TM-21 (LM-80)	>50,000 hours
Environment	Outdoor / Wet Location (IP65)
Lead Wire A	36 in. Bare Lead 20/2 AWG UL 2464 Wire with Strain Relief
Lead Wire B	36 in. Bare Lead 20/2 AWG UL 2464 Wire with Strain Relief
LED Chips	72/ft.
Chip Type	2835
Certification	UL Listed 2108
Limited Warranty	12 Year Limited Warranty

MECHANICAL DIAGRAMS

24V-VLX5



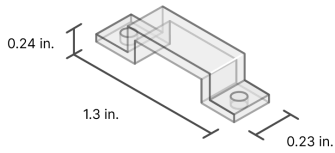
CONNECTIONS



ACCESSORIES

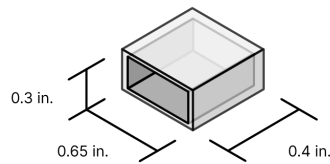
DI-WLMC-12MM

12mm Tape, Wet Location Over Clips, 10 pack, with 20 screws



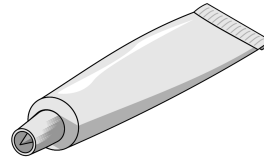
DI-WL-12MM-EC-5

Wet Location Strip End Caps, 12mm Tape, Silicone, 5-pack (5 open, 5 closed)



DI-WPSL

Wet Location Sealant



DELIVERY OPTIONS

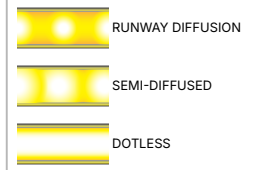
- **Field Assembly**
Fastest order fulfillment. Field connectors and accessories not included.
- **Factory + Field (Hybrid)**
Onsite modifications with factory connection. Additional accessories not included.
- **Factory Assembly**
Fastest Installation. Factory made-to-order fixtures.

RECOMMENDED CHANNELS

For additional information visit:
<https://arco.de/bfy1au>



- S2
- S45
- 20MM ROUND
- 20MM SQUARE
- MUD-IN 1 IN.
- MUD-IN 1 IN. WALL REVEAL
- MUD-IN 2 IN.
- SCONCE



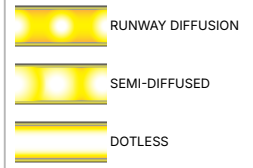
MODEL	DIAGRAM	INCLUDED ACCESSORIES	CONNECTION OPTIONS	IN CHANNEL DIFFUSION	TECHNICAL RATINGS	MOUNTING OPTIONS WITH DIMENSIONS
S2 Channel DI-CHB-S2 (S2) 48", 96" Aluminum For 14mm Tape Lights or smaller https://arco.de/beoyQV		48 in. Channel & Frosted Lens, 1 open end cap, 1 closed end cap, 2 mounting clips, 2 mounting screws 96 in. Channel & Frosted Lens, 2 open end cap, 2 closed end cap, 4 mounting clips, 4 mounting screws	<ul style="list-style-type: none"> • Soldered Lead Only 	Classic Frosted Lens	<ul style="list-style-type: none"> • Beam Angle: 120° • IP Rating Shift: IP20 Classic Frosted Lens <ul style="list-style-type: none"> • Light Loss: 20% • CCT Shift: -40K 	<p>S2 Clip: 0.63 x 0.84 in. (H x W)</p>
S45 Channel DI-CHB-S45 (S45) 48", 96" Aluminum For 14mm Tape Lights or smaller https://arco.de/beoyQb		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	<ul style="list-style-type: none"> • Soldered Lead Only 	Classic Frosted Lens VLX5: Dotless	<ul style="list-style-type: none"> • Beam Angle: 120° • IP Rating Shift: IP20 Classic Frosted Lens <ul style="list-style-type: none"> • Light Loss: 20% • CCT Shift: -40K 	<p>U-Clip: 0.79 x 0.79 in. (H x W)</p>
20MM ROUND Channel DI-CPCHB-RC20 (RC20) 48", 96" Aluminum For 14mm Tape Lights or smaller https://arco.de/bdlwjT		48 in. channel & lens 2x surface mounting clips End caps: 1x open, 1x closed. 96 in. channel & lens 4x surface mounting clips End caps: 2x open, 2x closed.	<ul style="list-style-type: none"> • Soldered Lead Only 	Classic Frosted Lens VLX5: Dotless	<ul style="list-style-type: none"> • Beam Angle: 180° • IP Rating Shift: IP20 Classic Frosted Lens <ul style="list-style-type: none"> • Light Loss: 20% • CCT Shift: -40K 	<p>U-Clip: 1.19 x 1.19 in. (H x W)</p>
20MM SQUARE Channel DI-CPCHB-SQC20 (SQ20) 48", 96" Aluminum For 14mm Tape Lights or smaller https://arco.de/bdlwjN		48 in. channel & lens 2x surface mounting clips End caps: 1x open, 1x closed. 96 in. channel & lens 4x surface mounting clips End caps: 2x open, 2x closed.	<ul style="list-style-type: none"> • Soldered Lead Only 	Classic Frosted Lens VLX5: Dotless	<ul style="list-style-type: none"> • Beam Angle: 180° • IP Rating Shift: IP20 Classic Frosted Lens <ul style="list-style-type: none"> • Light Loss: 20% • CCT Shift: -40K 	<p>U-Clip: 1.19 x 1.19 in. (H x W)</p>
MUD-IN 1 IN. Channel DI-CPCHB-MUD1 (M11) 48", 96" Aluminum https://arco.de/bdlwnz		96 in. channel & opal lens 2x end-to-end connectors End caps: 2x open, 2x closed. 96 in. channel & lens End caps: 2x open, 2x closed	<ul style="list-style-type: none"> • Soldered Lead Only 	Opal Lens VLX5: Dotless	<ul style="list-style-type: none"> • Beam Angle: 120° • IP Rating Shift: IP20 Classic Frosted Lens <ul style="list-style-type: none"> • Light Loss: 20% • CCT Shift: -40K Opal Lens <ul style="list-style-type: none"> • Light Loss: 55% • CCT Shift: -200K 	<p>Recessed Mount: 0.54 x 2.42 in. (H x W)</p>

RECOMMENDED CHANNELS

For additional information visit:
<https://arco.de/bfy1au>



- S2
- S45
- 20MM ROUND
- 20MM SQUARE
- MUD-IN 1 IN.
- MUD-IN 1 IN. WALL REVEAL
- MUD-IN 2 IN.
- SCNCE



MODEL	DIAGRAM	INCLUDED ACCESSORIES	CONNECTION OPTIONS	IN CHANNEL DIFFUSION	TECHNICAL RATINGS	MOUNTING OPTIONS WITH DIMENSIONS
MUD-IN 1 IN. WALL REVEAL Channel DI-CPCHB-MUD1-WREV (MUD1-WREV) 96" Aluminum For 14mm Tape Lights or smaller https://arco.de/bfmbsn	Height (H): 1.37 in. Width (W): 1.93 in. Interior Depth (ID): 0.51 in. Interior Width (IW): 0.79 in. Recessed Wing (RW): 1.16 in. 	96 in. channel & lens End caps: 2x open, 2x closed	<ul style="list-style-type: none"> • Soldered Lead Only 	Classic Frosted Lens	<ul style="list-style-type: none"> • Beam Angle: 120° • IP Rating Shift: IP20 Classic Frosted Lens <ul style="list-style-type: none"> • Light Loss: 20% • CCT Shift: -40K 	 Recessed Mount: 1.37 x 1.93 in. (H x W)
MUD-IN 2 IN. Channel DI-CPCHB-MUD2 (M12) 48", 96" Aluminum For 14mm Tape Lights or smaller https://arco.de/bdlwpY	Height (H): 0.8 in. Width (W): 3.86 in. Interior Depth (ID): 0.69 in. Interior Width (IW): 1.84 in. Recessed Wing (RW): 1.97 in. 	96 in. channel & opal lens 2x surface mounting clips End caps: 2x open, 2x closed.	<ul style="list-style-type: none"> • Soldered Lead Only 	Opal Lens VLX5: Dotless	<ul style="list-style-type: none"> • Beam Angle: 120° • IP Rating Shift: IP20 Opal Lens <ul style="list-style-type: none"> • Light Loss: 55% • CCT Shift: -200K 	 Recessed Mount: 0.8 x 3.86 in. (H x W)
SCNCE Channel DI-CPCHB-SCNC (SCNC) 48", 96" Aluminum For 14mm Tape Lights or smaller https://arco.de/bdlweq	Height (H): 1.1 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.	<ul style="list-style-type: none"> • Soldered Lead Only 	Classic Frosted Lens VLX5: Dotless	<ul style="list-style-type: none"> • Beam Angle: 120° • IP Rating Shift: IP20 Classic Frosted Lens <ul style="list-style-type: none"> • Light Loss: 20% • CCT Shift: -40K 	 3M Adhesive: 1.2 x 1.21 in. (H x W)

RECOMMENDED POWER SUPPLIES

For additional Power Supply information, refer to individual Specification Sheet data at diodeled.com.

- OMNIDRIVE X
- VLM
- MEANWELL
- OMNIDRIVE
- JUSTIN ELECTRONIC
- JUSTIN MAGNETIC
- LUTRON
- SWITCHEX+ R1

OMNIDRIVE® X DIMMABLE DRIVER

Versatile driver for most high-performance dimming on ELV, TRIAC, and 0-10V systems.



For additional information visit:

<https://www.diodeled.com/omnidrive-reg-x-electronic-and-0-10v-dimmable-driver.html>

SKU	GENERAL SPECS	INPUT VOLTAGE / FREQUENCY	OUTPUT VOLTAGE & MAXIMUM LOAD	MINIMUM LOAD
DI-ODX-24V120W-J	Dimmable 8.66 x 3.7 x 1.57 in.	120-277VAC, 50/60Hz	24V / 120W	None
DI-ODX-24V200W-J	Dimmable 10.24 x 4.13 x 1.77 in.	120-277VAC, 50/60Hz	24V / 200W	None
DI-ODX-24V30W	Class 2, Dimmable 6.1 x 2.1 x 0.8 in.	120-277VAC, 50/60Hz	24V / 30W	None
DI-ODX-24V30W-J	Class 2, Dimmable 6.5 x 3.7 x 1.57 in.	120-277VAC, 50/60Hz	24V / 30W	None
DI-ODX-24V60W	Class 2, Dimmable 7 x 2.4 x 1 in.	120-277VAC, 50/60Hz	24V / 60W	None
DI-ODX-24V60W-J	Class 2, Dimmable 7.4 x 3.7 x 1.57 in.	120-277VAC, 50/60Hz	24V / 60W	None
DI-ODX-24V96W	Class 2, Dimmable 9 x 2.7 x 1.7 in.	120-277VAC, 50/60Hz	24V / 96W	None
DI-ODX-24V96W-J	Class 2, Dimmable 8.66 x 3.7 x 1.57 in.	120-277VAC, 50/60Hz	24V / 96W	None
DI-AWNAUX-ODX-24V96W-LPS3R	Class 2, Dimmable 10.79 x 7.34 x 2.36 in.	120-277V	24V / 96W	None
DI-AWNAUX-ODX-24V60W-LPS3R	Class 2, Dimmable 10.79 x 7.34 x 2.36 in.	120-277V	24V / 60W	None
DI-AWNAUX-ODX-24V30W-LPS3R	Class 2, Dimmable 10.79 x 7.34 x 2.36 in.	120-277V	24V / 30W	None
DI-AWN-ODX-24V96W-J	Class 2, Dimmable 8.66 x 3.7 x 1.57 in.	120-277V	24V / 96W	None
DI-AWN-ODX-24V60W-J	Class 2, Dimmable 7.4 x 3.7 x 1.57 in.	120-277V	24V / 60W	None
DI-AWN-ODX-24V30W-J	Class 2, Dimmable 6.5 x 3.7 x 1.57 in.	120-277V	24V / 30W	None

LUTRON® HI-LUME DIMMABLE LED DRIVER

High-performance dimming on Lutron control systems.



SKU	GENERAL SPECS	INPUT VOLTAGE / FREQUENCY	OUTPUT VOLTAGE & MAXIMUM LOAD	MINIMUM LOAD
DI-DM-24V40W-L3D	Class 2, Dimmable 4.89 x 4 x 2.62 in.	100-277VAC 50/60Hz	24V / 40W	See Dimmer Switch Specifications

VLM SERIES CONSTANT VOLTAGE DRIVER

Compact driver for on/off, PWM dimming, and color-changing applications.



For additional information visit:

<https://www.diodeled.com/vlm-series-led-driver.html>

SKU	GENERAL SPECS	INPUT VOLTAGE / FREQUENCY	OUTPUT VOLTAGE & MAXIMUM LOAD	MINIMUM LOAD
VLM100W-24	Class 2 5.38 x 1 x 0.77 in.	120 / 277VAC 47 - 63Hz	24V / 96W	None
VLM100W-24-LPM	Class 2 8.19 x 2.94 x 1.31 in.	120 / 277VAC 47 - 63Hz	24V / 96W	None
VLM100W-24-LPS	Class 2 11.25 x 3.75 x 1.9 in.	120 / 277VAC 47 - 63Hz	24V / 96W	None
VLM100W-24-LPS3R	Class 2 10.79 x 7.34 x 2.36 in.	120 / 277VAC 47 - 63Hz	24V / 96W	None
VLM200W-24-LPL	Class 2 13.5 x 4.5 x 2.38 in.	120 / 277VAC 47 - 63Hz	24V / 100W (X2)	None
VLM60W-24	Class 2 5.1 x 0.75 x 0.77 in.	120 / 277VAC 47 - 63Hz	24V / 60W	None
VLM60W-24-LPM	Class 2 8.19 x 2.94 x 1.31 in.	120 / 277VAC 47 - 63Hz	24V / 60W	None
VLM60W-24-LPS	Class 2 11.25 x 3.75 x 1.9 in.	120 / 277VAC 47 - 63Hz	24V / 60W	None
VLM60W-24-LPS3R	Class 2 10.79 x 7.34 x 2.36 in.	120 / 277VAC 47 - 63Hz	24V / 60W	None

SWITCHEX® + R1 DRIVER & DIMMER SWITCH

Revolutionize your low-voltage LED lighting setup with SWITCHEX®+ R1, a patented innovation that seamlessly merges a low-voltage power supply with a dimmer switch into one compact solution.

For additional information visit:

<https://info.diodeled.com/switchex+>



SKU	GENERAL SPECS	INPUT VOLTAGE / FREQUENCY	OUTPUT VOLTAGE & MAXIMUM LOAD	MINIMUM LOAD
DI-SXR1-24V60W	Class 2 1.75 x 2.125 x 4.125 in.	120VAC 50/60Hz	24V / 60W	Recommended: 5% Minimum
DI-SXR1-24V96W	Class 2 1.75 x 2.125 x 4.125 in.	120VAC 50/60Hz	24V / 96W	Recommended: 5% Minimum

RECOMMENDED POWER SUPPLIES

For additional Power Supply information, refer to individual Specification Sheet data at diodeled.com.

- OMNIDRIVE X
- VLM
- MEANWELL
- OMNIDRIVE
- JUSTIN ELECTRONIC
- JUSTIN MAGNETIC
- LUTRON
- SWITCHEX+ R1

MEANWELL CONSTANT VOLTAGE DRIVER

Drivers for on/off or PWM dimming applications.

For additional information visit:
<https://www.diodeled.com/mean-well-driver.html>



SKU	GENERAL SPECS	INPUT VOLTAGE / FREQUENCY	OUTPUT VOLTAGE & MAXIMUM LOAD	MINIMUM LOAD
DI-0954	Class 2 7.87 x 2.78 x 1.38 in.	90 ~ 295VAC / 47 ~ 63Hz	24V / 96W	None
DI-0954-LPL	Class 2 11.25 x 3.75 x 1.9 in.	90 ~ 295VAC / 47 ~ 63Hz	24V / 96W	None
DI-0954-LPS3R	Class 2 10.79 x 7.34 x 2.36 in.	90 ~ 295VAC / 47 ~ 63Hz	24V / 96W	None
DI-0970	Class 2 5.83 x 1.57 x 1.18 in.	90 ~ 264VAC / 47 ~ 63Hz	24V / 35W	None
DI-0970-LPS	Class 2 11.25 x 3.75 x 1.9 in.	90 ~ 264VAC / 47 ~ 63Hz	24V / 35W	None
DI-0970-LPS3R	Class 2 10.79 x 7.34 x 2.36 in.	90 ~ 264VAC / 47 ~ 63Hz	24V / 35W	None
DI-CV-24V150W	Not Class 2 7.52 x 2.5 x 1.48 in.	90 ~ 132VAC / 47 ~ 63Hz	24V / 150W	None
DI-CV-24V200W	Not Class 2 8.46 x 4.53 x 1.18 in.	88 ~ 264VAC, 47 ~ 60Hz	24V / 200W	None
DI-CV-24V330W	Not Class 2 8.5 x 4.13 x 1.61 in.	85 ~ 264VAC / 47 ~ 63Hz	24V / 330W	None
DI-CV-24V60W-OWA	Class 2 5.1 x 2.1 x 1.4 in.	90 ~ 264VAC 127 ~ 370VAC	24V / 60W	None
DI-CV-24V90W-OWA	Class 2 6.75 x 2.5 x 1.5 in.	90 ~ 264VAC 127 ~ 370VAC	24V / 90W	None
DI-CV-MW24V60W-277	Class 2 5.9 x 2.1 x 1.4 in.	120 ~ 277VAC 50/60Hz	24V / 60W	None
DI-CV-MW24V60W-277-LPS	Class 2 11.25 x 3.75 x 1.9 in.	120 ~ 277VAC 50/60Hz	24V / 60W	None
DI-CV-MW24V60W-277-LPS3R	Class 2 10.79 x 7.34 x 2.36 in.	120 ~ 277VAC 50/60Hz	24V / 60W	None
DI-CV-MW24V90W-277	Class 2 6.8 x 2.5 x 1.5 in.	120 ~ 277VAC 50/60Hz	24V / 90W	None
DI-CV-MW24V90W-277-LPL	Class 2 13.5 x 4.5 x 2.38 in.	120 ~ 277VAC 50/60Hz	24V / 90W	None
DI-CV-MW24V90W-277-LPS3R	Class 2 10.79 x 7.34 x 2.36 in.	120 ~ 277VAC 50/60Hz	24V / 90W	None
DI-CV-24V150W-277	Not Class 2 9 x 2.67 x 1.5 in.	120 ~ 277VAC 50/60Hz	24V / 150W / 6.3A	None
DI-CV-24V240W-277	Not Class 2 9.61 x 2.67 x 1.53 in.	120 ~ 277VAC 50/60Hz	24V / 240W / 10A	None
DI-CV-24V320W-277	Not Class 2 9.92 x 3.54 x 1.72 in.	120 ~ 277VAC 50/60Hz	24V / 320W / 13.34A	None
DI-CV-24V480W-277	Not Class 2 10.31 x 4.92 x 1.72 in.	120 ~ 277VAC 50/60Hz	24V / 480W / 20A	None
DI-CV-24V600W-277	Not Class 2 11.02 x 5.67 x 1.9 in.	120 ~ 277VAC 50/60Hz	24V / 600W / 25A	None

OMNIDRIVE® ELECTRONIC DIMMABLE DRIVER

Our classic electronic dimmable (ELV) driver. Superior dimming and wide compatibility with popular dimmers.

For additional information visit:
<https://www.diodeled.com/omnidrive-dimmable-drivers.html>



SKU	GENERAL SPECS	INPUT VOLTAGE / FREQUENCY	OUTPUT VOLTAGE & MAXIMUM LOAD	MINIMUM LOAD
DI-TD-24V-10W	Class 2, Dimmable 5.7 x 2.1 x 0.75 in.	90~135VAC at ~50/60Hz	24V / 10W	Load at least 60% labeled load
DI-TD-24V-10W-LPS	Class 2, Dimmable 11.25 x 3.75 x 1.9 in.	90~135VAC at ~50/60Hz	24V / 10W	Load at least 60% labeled load
DI-TD-24V-10W-LPS3R	Class 2, Dimmable 10.79 x 7.34 x 2.36 in.	90~135VAC at ~50/60Hz	24V / 10W	Load at least 60% labeled load
DI-TD-24V-120W	Dimmable x x in.	90~135VAC at ~50/60Hz	24V / 120W	Load at least 60% labeled load
DI-TD-24V-20W	Class 2, Dimmable 5.7 x 2.1 x 0.75 in.	90~135VAC at ~50/60Hz	24V / 20W	Load at least 60% labeled load
DI-TD-24V-20W-LPS	Class 2, Dimmable 11.25 x 3.75 x 1.9 in.	90~135VAC at ~50/60Hz	24V / 20W	Load at least 60% labeled load
DI-TD-24V-20W-LPS3R	Class 2, Dimmable 10.79 x 7.34 x 2.36 in.	90~135VAC at ~50/60Hz	24V / 20W	Load at least 60% labeled load
DI-TD-24V-30W	Class 2, Dimmable 7 x 2.3 x 1.35 in.	90~135VAC at ~50/60Hz	24V / 30W	Load at least 60% labeled load
DI-TD-24V-30W-LPS	Class 2, Dimmable 11.25 x 3.75 x 1.9 in.	90~135VAC at ~50/60Hz	24V / 30W	Load at least 60% labeled load
DI-TD-24V-30W-LPS3R	Class 2, Dimmable 10.79 x 7.34 x 2.36 in.	90~135VAC at ~50/60Hz	24V / 30W	Load at least 60% labeled load
DI-TD-24V-45W	Class 2, Dimmable 7 x 2.3 x 1.35 in.	90~135VAC at ~50/60Hz	24V / 45W	Load at least 60% labeled load
DI-TD-24V-45W-LPL	Class 2, Dimmable 13.5 x 4.5 x 2.38 in.	90~135VAC at ~50/60Hz	24V / 45W	Load at least 60% labeled load
DI-TD-24V-45W-LPS3R	Class 2, Dimmable 10.79 x 7.34 x 2.36 in.	90~135VAC at ~50/60Hz	24V / 45W	Load at least 60% labeled load
DI-TD-24V-60W	Class 2 7.9 x 2.7 x 1.8 in.	90 ~ 135VAC 50/60Hz	24V / 60W	Load at least 60% labeled load
DI-TD-24V-60W-LPL	Class 2 13.5 x 4.5 x 2.38 in.	90 ~ 135VAC 50/60Hz	24V / 60W	Load at least 60% labeled load
DI-TD-24V-60W-LPS3R	Class 2 10.79 x 7.34 x 2.36 in.	90 ~ 135VAC 50/60Hz	24V / 60W	Load at least 60% labeled load
DI-TD-24V-80W	Class 2 7.9 x 2.7 x 1.8 in.	90 ~ 135VAC 50/60Hz	24V / 80W	Load at least 60% labeled load
DI-TD-24V-80W-LPL	Class 2 13.5 x 4.5 x 2.38 in.	90 ~ 135VAC 50/60Hz	24V / 80W	Load at least 60% labeled load
DI-TD-24V-80W-LPS3R	Class 2 10.79 x 7.34 x 2.36 in.	90 ~ 135VAC 50/60Hz	24V / 80W	Load at least 60% labeled load
DI-TD-24V-96W	Class 2 7.9 x 2.7 x 1.8 in.	90 ~ 135VAC 50/60Hz	24V / 96W	Load at least 60% labeled load
DI-TD-24V-96W-LPL	Class 2 13.5 x 4.5 x 2.38 in.	90 ~ 135VAC 50/60Hz	24V / 96W	Load at least 60% labeled load
DI-TD-24V-96W-LPS3R	Class 2 10.79 x 7.34 x 2.36 in.	90 ~ 135VAC 50/60Hz	24V / 96W	Load at least 60% labeled load

RECOMMENDED CONTROLLERS

For additional Controller information, refer to individual Specification Sheet data at diodeled.com.

CASAMBI® CONTROLLERS

The CASAMBI controllers will remotely control your lighting through the app - downloadable for IOS & Android.



For additional information visit:

<https://www.diodeled.com/casambi-controllers-3020.html>

SKU	DESCRIPTION
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
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.



For additional information visit:

<https://www.diodeled.com/touchdial-wifi-color-control-system.html>

SKU	DESCRIPTION
DI-RF-REC-CV-A	TOUCHDIAL Color Control System - WiFi Receiver
DI-RF-REC-CV-SC	TOUCHDIAL Mini Receiver - Single Channel and Zone
DI-RF-REM-DIM-1	TOUCHDIAL Mini Remote - Single Zone
DI-RF-REM-DIM-5	TOUCHDIAL Remote Dimmer 5-Zone Dimmer Control
DI-RF-REM-TW-4	TOUCHDIAL Color Control System - Tunable White 4-Zone Remote Controller
DI-RF-WMT-DIM	TOUCHDIAL Wall Dimmer - Single Zone
DI-RF-WPD-DIM-1	TOUCHDIAL Paddle Dimmer - Single Zone
DI-RF-WPD-DIM-2	TOUCHDIAL Paddle Dimmer - Two Zone
DI-WIFI-RF-TRMS	TOUCHDIAL Color Control System - WiFi Hub
DI-RF-REM-TW3-4	TOUCHDIAL Color Control System, 3-Anchor Tunable White 4-Zone Remote Controller

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.
- CE & EMC Compliant: Verification No. GZEM141200683705V
- Approved for storage areas of clothes closets per NEC 410.16.A.1,3 and 410.16.C.1,3,5

Environment

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

Performance

- Can be used to comply with TITL 24 Part 6 High Efficacy Lighting LED requirements - JA8-2016-2022-E
- 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

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.

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.

- Lumen value measured in accordance to IES LM-79-08. 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.