Light Strip

TECHNICAL GUIDE



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VALENT® X

HIGH-DENSITY LED TAPE LIGHT

Precision-engineered, high-density tape light for demanding applications when light quality matters most. Up to 900+ lumens per foot with 95+ CRI/90+ R9.





FEATURES & BENEFITS

- · Dense LED placement for uninterrupted linear light
- · 95+ CRI/90+ R9
- · Highest lumen output option

QUICK SPECS

 VOLTAGE
 24VDC

 WIDTH
 12mm

 CRI
 95+

WARRANTY 12 Year Limited Warranty

DIMMING Dimmable

ENVIRONMENT Indoor/Damp Location (IP20)

CERTIFICATION UL Listed 2108

CONNECTOR 12mm Terminal Block

DI	-	VOLTA	AGE	_	MODEL	Ll	JMEN SERIES	_	cc	Т			_	LENG	TH
DI	_	24V	(24VDC)	_	VLX	1	(100 Lumen Range)	_	20	(2000K)	35	(3500K)	_	016	(16.4 ft.)
						2	(200 Lumen Range)		22	(2200K)	40	(4000K)		100	(100 ft.)
						3	(300 Lumen Range)		24	(2400K)	50	(5000K)			
						5	(500 Lumen Range)		27	(2700K)	63	(6300K)			
						8	(800 Lumen Range)		30	(3000K)					

EXAMPLE: 24V VALENT* X 800 LUMENS 5000K 16.4 FT. SPOOL = **DI-24V-VLX8-50-016**

			24VDC		
	100 LUMEN RANGE	200 LUMEN RANGE	300 LUMEN RANGE	500 LUMEN RANGE	800 LUMEN RANGE
	VLX1	VLX2	VLX3	VLX5	VLX8
	Max. Run: 80 ft. Cut Points: 1.32 in. Wattage: 1.0W/ft.	Max. Run: 53 ft. Cut Points: 1.32 in. Wattage: 1.9W/ft.	Max. Run: 41 ft. Cut Points: 1.32 in. Wattage: 2.8W/ft.	Max. Run: 30 ft. Cut Points: 1.32 in. Wattage: 4.6W/ft.	Max. Run: 19 ft. Cut Points: 1.32 in. Wattage: 7.2W/ft.
CCT	Lumens/ft.	Lumens/ft.	Lumens/ft.	Lumens/ft.	Lumens/ft.
2000K	104	194	299	-	-
2200K	104	194	299	-	-
2400K	104	194	299	469	730
2700K	101	207	311	495	782
3000K	106	218	323	557	853
3500K	108	218	328	586	906
4000K	112	228	342	534	806
5000K	116	242	365	592	840
6300K	112	244	363	578	924



Specification Sheet

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Precision-engineered, high density tape light for demanding applications. Up to 900+ lumens per foot with 95+ CRI / 90+ R9. 12 year warranty.

Date

Project Name





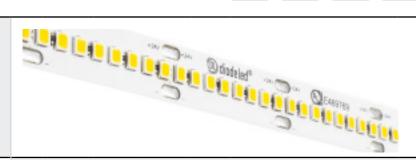






FEATURES

- Dense LED placement for uninterrupted linear light 100/200/300/500/800 lumen outputs 95+ CRI 95+ CRI 1.32 inch cuttable increments
 Precision color rendering with 90+ R9 value
 Channel (extrusion) not required for heat sink 12 Year limited warranty



ORDERING CODES

Order spools, and components for field assembly

OPTIONAL ORDERING CODES

Add Length, Assembly Preferences, and Finish

	VOLTAGE	MODEL	сс	тw	LENGTH		СН	ANNELS		FINISH	моц	INTING	DF	RIVER	DELIVERY
DI															
	24V	VLX1	24 (2400K)	40 (4000K)	016 (16.4 feet)	\$1 (\$1)	16 (16mm Square)	45DC0 (45° Deco)	MI1 (2-inch Mud-In)	AL (Aluminum)	3M (3M Adhesive)	VC (Vertical Clip)	ELV (Electronic)	LUT (Lutron)	Field Assembly
		VLX2	27 (2700K)	50 (5000K)	100 (100 feet)	\$2 (\$2)	RC20 (20mm Round)	90 (90° Sideview)	REC (Recessed)	BL (Black)	MC (Mounting Clip)	HNG (Hanging Hardware)	VLM (Constant Voltage)	SWX (Switchex)	Factory + Field (Hybrid)
		VL3	30 (3000K)	63 (6300K)		S45 (S45)	SQ20 (20mm Square)	REF (Reflector)	WF (Waveform)	WH (White)	UC (U-Clip)	RC (Rotating Clip)	O/O (On/Off)	PoE (Power Over Ethernet)	Factory Assembly
		VLX5	35 (3500K)			SL (Slim)	SQ (Square)	ROD (Rod)							
		VLX8				CA (Canal)	45 (45°)	MI1 (1-inch Mud-in)							

24V VALENT* X SPECIFICATION TABLE

MODEL	24V-VLX1	24V-VLX2	24V-VLX3	24V-VLX5	24V-VLX8
VOLTAGE	24VDC	24VDC	24VDC	24VDC	24VDC
WATTAGE	1W/ft.	1.9W/ft.	2.8.W/ft.	4.6W/ft.	7.2W/ft.
2400k	104 Lm/ft.	194 Lm/ft.	299 Lm/ft.	469 Lm/ft.	730 Lm/ft.
2700k	101 Lm/ft.	207 Lm/ft.	311 Lm/ft.	495 Lm/ft.	782 Lm/ft.
3000k	106 Lm/ft.	218 Lm/ft.	323 Lm/ft.	557 Lm/ft.	853 Lm/ft.
Lumens 3500k	108 Lm/ft.	218 Lm/ft.	328 Lm/ft.	586 Lm/ft.	906 Lm/ft.
4000k	112 Lm/ft.	228 Lm/ft.	342 Lm/ft.	534 Lm/ft.	806 Lm/ft.
5000k	116 Lm/ft.	242 Lm/ft.	365 Lm/ft.	592 Lm/ft.	840 Lm/ft.
6300k	112 Lm/ft.	244 Lm/ft.	363 Lm/ft.	578 Lm/ft.	924 Lm/ft.
Cut Points	1.32 in.	1.32 in.	1.32 ft.	1.32 ft.	1.32 ft.
Max Run (ft.)	80 ft.	53 ft.	41 ft.	30 ft.	19 ft.
Max Run (Class 2)	80 ft.	53 ft.	41 ft.	25 ft.	14 ft.
CRI	95+	95+	95+	95+	95+
Dimensions	0.47 x 0.1 in. (W x H)				
TM-30 (LM-80)	>50,000 hours				
Environment	Indoor / Damp Location (IP20)				
Ambient Temperature	-4 ~ 122°F (-20 ~ 50°C)				
Operating Temperature	-4 ~ 176°F (-20 ~ 80°C)				
LED Chips	72/ft.	72/ft.	72/ft.	72/ft.	72/ft.
Chip Type	2835	2835	2835	2835	2835
Certification	UL Listed 2108				
Warranty	12 year				



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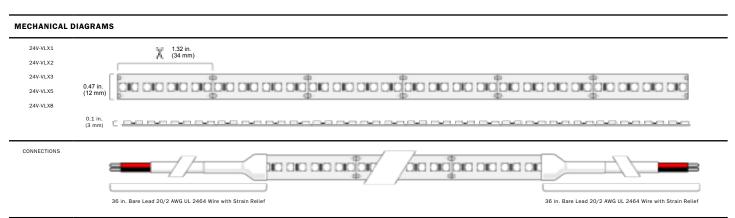
Specification Sheet

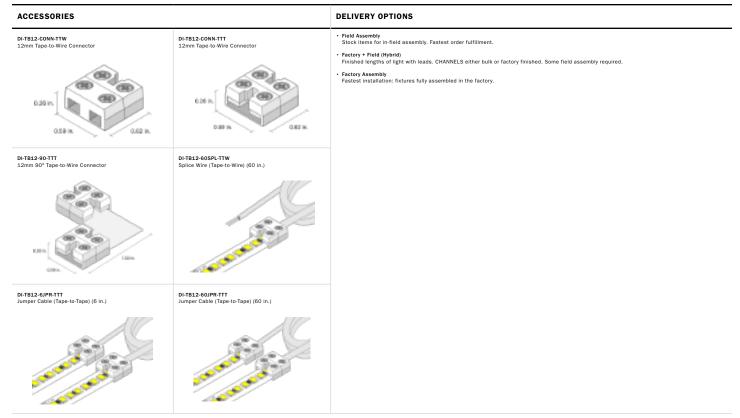
VALENT° X

HIGH-DENSITY LED TAPE LIGHT

Precision-engineered, high density tape light for demanding applications. Up to 900+ lumens per foot with 95+ CRI / 90+ R9. 12 year warranty.







- · 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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Date

Project Name











SKU	INPUT VOLTAGE/ FREQUENCY	OUTPUT VOLTAGE	MAXIMUM LOAD	MINIMUM LOAD	CLASS 2	DIMMABLE	LENGTH	WIDTH	HEIGHT
OMNIDRIVE® X Di /ersatile driver for most hig	mmable Driver	RIAC, and 0-10V Syster	ms.		OMNIDRIVE® X Dimmable https://www.diodeled.com/	Driver Specification Sheet 'custom/download/productFi	le/filename/omnidrive-x-s	specification-sheet.pdf/	Contains: Additional Models Additional Features Derating Curves System Diagrams
DI-0DX-24V30W-J	120-277V	24V	30W	No minimum load	Yes	Yes	6.5 in.	3.7 in.	1.36 in.
DI-ODX-24V60W-J	120-277V	24V	60W	No minimum load	Yes	Yes	7.4 in.	3.7 in.	1.36 in.
DI-ODX-24V96W-J	120-277V	24V	96W	No minimum load	Yes	Yes	8.66 in.	3.7 in.	1.36 in.
DI-0DX-24V120W-J	120-277V	24V	120W	No minimum load	No	Yes	8.66 in.	3.7 in.	1.36 in.
	ectronic Dimmable Driv able (ELV) driver. Superior dimmin		ty with popular dimmer	5.	https://www.diodeled.com/	Dimmable Driver Specification		loor-electronic-dimma-	Contains: · Additional Models · Additional Feature
ur classic electronic dimm			ty with popular dimmer	s. Load at least 60% labeled load		custom/download/productFil		loor-electronic-dimma-	 Additional Models
	able (ELV) driver. Superior dimmin	g and wide compatibili		Load at least 60%	https://www.diodeled.com/ ble-driver-specification-shed	custom/download/productFil et.pdf/	e/filename/omnidrive-ind		Additional Models Additional Features Derating Curves System Diagrams
ur classic electronic dimm DI-TD-24V-45W-LPS3R	90-135VAC at -50/60Hz	g and wide compatibili	45W	Load at least 60% labeled load	https://www.diodeled.com/ ble-driver-specification-shee	custom/download/productFilet.pdf/ Yes Yes. Not compatible	e/filename/omnidrive-ind	7.34 in.	Additional Models Additional Feature Derating Curves System Diagrams 2.36 in.
ur classic electronic dimm DI-TD-24V-45W-LPS3R DI-TD-24V-60W-LPS3R DI-TD-24V-80W-LPS3R	90-135VAC at -50/60Hz 90-135VAC at -50/60Hz 90-135VAC 50/60Hz	g and wide compatibili 24V 24V 24V	45W	Load at least 60% labeled load Load at least 60% labeled load Load at least 60%	https://www.diodeled.com/ble-driver-specification-shee	Yes Yes. Not compatible with PWM controls.	10.79 in. 10.79 in.	7.34 in. 7.34 in. 7.34 in.	Additional Models Additional Featurer Derating Curves System Diagrams 2.36 in. 2.36 in.
ur classic electronic dimm DI-TD-24V-45W-LPS3R DI-TD-24V-60W-LPS3R DI-TD-24V-80W-LPS3R	90-135VAC at -50/60Hz 90-135VAC at -50/60Hz 90-135VAC 50/60Hz 90-135VAC 50/60Hz	g and wide compatibili 24V 24V 24V	45W	Load at least 60% labeled load Load at least 60% labeled load Load at least 60%	https://www.diodeled.com/ble-driver-specification-shee	Yes Yes. Not compatible with PWM controls.	10.79 in. 10.79 in.	7.34 in. 7.34 in. 7.34 in.	Additional Models Additional Features Derating Curves System Diagrams 2.36 in. 2.36 in. Contains: Additional Models Additional Features Derating Curves

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								
CBU-TED	CASAMBI TED AC High Voltage Controller								
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								





Certifications and Warranty

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Date

Project Name











CERTIFICATIONS WARRANTY 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. This warranty does not include the additional accessories referenced in this specification sheet. For warranty related Approved for storage areas of clothes closets per NEC 410.16.A.3 and 410.16.C.5 CE & EMC Compliant: Verification No. GZEM141200683705V questions please contact product support. CONSUMER'S ACKNOWLEDGMENT B+N 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. B+N Inc. 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 B+N Inc. to design a system that foresees every unknown factor. For this reason, this Warranty does not cover problems caused by improper design, confliguration or installation issues. Any statement from a B+N Inc. are employee or agent regarding a customer's bill of goods and/or purchase order is NOT an acknowledgment that the products purchase dar de 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. · RoHS Compliant: Verification No. CANEC1610091501 PERFORMANCE Can be used to comply with TITLE 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 There is often more than one way to design, configure and layout an LED lighting application properly to achieve the same lighting effect. BHY linc. strongly recoming and inyour an LEU inghing application properly and aliebyte the same lighting effect. BHY linc. strongly recommends that licensed professionals be used in the design and installation of lighting systems that include BHY linc. products. The specifications include important information that a design and installer should carefully review and strictly follow. Qualified designers and certified and/or licensed installers, with access to the final installation enviewed and strictly follow. The product specifications can make the requisite decisions appropriate for a successful finishment, customers, and the product specifications can make the requisite decisions appropriate for a successful finishment. Install in accordance with national and local electrical code regulations This product is intended to be installed and serviced by a qualified, licensed electrician. Inits product is intended up on instance and serviced by a quantity, included reconstant. 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. (invair lated, we location rated, etc.), inacequate wine in signalation could overhead writes, and cause interDo not install in environment where EED 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 most import ED tape light products in outcome? Wet location environments. Only wet location tape light modes are rated for outcom? Wet location. To not mostly 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 futures 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.





Specification Sheet

VALENT® X | WET LOCATION

HIGH-DENSITY LED TAPE LIGHT

 $\label{thm:continuous} \mbox{Versatile driver for most high-performance dimming on ELV, TRIAC, and}$ 0-10V systems. Dims to dark depending on installation

Date

Project Name











FEATURES





ORDERING CODES

Order spools, and components for field assembly

OPTIONAL ORDERING CODES

Add Length, Assembly Preferences, and Finish

	VOLTAGE	MODEL	сст	LENGTH		CHANNELS		FINISH	LENS	MOUNTING	DR	IVER	DELIVERY
DI													
	24V (24V Volt)	VLX5	27 (2700K)	W016 (16.4 feet)	A1 (A1)	RC20 (20mm Round)	45 (45°)	AL (Alumi- num)	*blank* (Classic Frosted Lens)	3M (3M Adhesive)	ELV (Electronic)	010 (0-10V)	Field Assembly
			30 (3000K)	W100 (100 feet)	\$2 (\$2)	SQ20 (20mm Square)	REC (Recessed)	BL (Black)	BL (Black Lens)	MC (Mounting Clip)	O/O (On/Off)	PoE (Power Over Ethernet)	Factory + Field (Hybrid)
			35 (3500K)		\$45 (\$45)	SL (Slim)	MI1 (1-inch Mud-In)	WH (White)	CLT (Arch. Clear Lens)	UC (U-Clip)	LUT (Lutron)		Factory Assembly
			40 (4000K)		16 (16mm square)	SQ (Square)	MI2 (2-inch Mud-In)		FRT (Arch. Frosted Lens)	UV (Vertical Clip)			
									OPT (Opal Lens)	HNG (Hanging Hardware)			
					* See Other page f	or Channel / Lens / N	lounting Compatibility		PD (Pem. Diffusion Lens)	RC (Rotating Clip)			

VALENT® X WET LOCATION SPECIFICATION TABLE

MODEL	24V-VLX5
VOLTAGE	24VDC
WATTAGE	4.6W/ft.
2400k	466 Lm/ft.
2700k	437 Lm/ft.
Lumens 3000k	469 Lm/ft.
3500k	492 Lm/ft.
4000k	480 Lm/ft.
Cut Points	1.32 in.
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
Warranty	12 year





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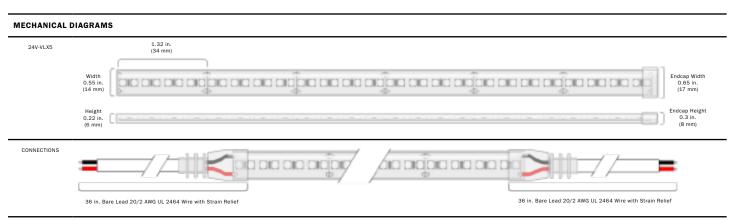
Specification Sheet

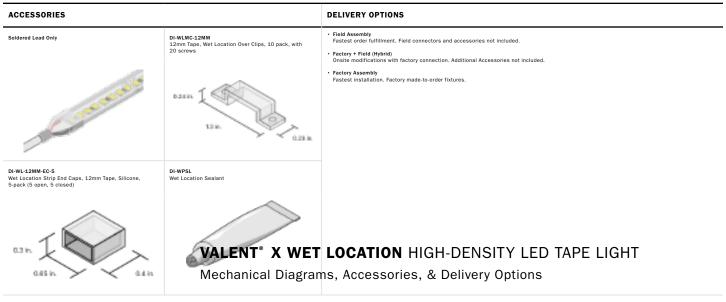
VALENT® X WET LOCATION

HIGH-DENSITY LED TAPE LIGHT

Versatile driver for most high-performance dimming on ELV, TRIAC, and 0-10V systems. Dims to dark depending on installation







- $\cdot \quad \text{Lumen value measured in accordance to IES LM-80-08. LED chips have a luminous flux range with a tolerance of +/-5\% and the contract of the contract of$
- 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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SKU	INPUT VOLTAGE/ FREQUENCY	OUTPUT VOLTAGE	MAXIMUM LOAD	MINIMUM LOAD	CLASS 2	DIMMABLE	LENGTH	WIDTH	HEIGHT
MNIDRIVE® X Dimm prsatile driver for most high-per		RIAC, and 0-10V Syster	ns.		OMNIDRIVE® X Dimmable I https://www.diodeled.com/	•	le/filename/omnidrive-x-s	pecification-sheet.pdf/	Contains: Additional Models Additional Features Derating Curves System Diagrams
DI-0DX-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-0DX-24V120W-J	120-277V	24V	120W	No minimum load	No	Yes	8.66 in.	3.7 in.	1.57 in.
LM SERIES CONSTA					VLM Series Constant Voltag https://www.diodeled.com/o (Driver%20&%20 I-Box).ndf/	•		ation%20Sheet%20	
	limming, and color-changing		60W	No minimum load	-	•		ation%20Sheet%20	
mpact driver for on/off, PWM d	limming, and color-changing	applications	60W	No minimum load No minimum load	https://www.diodeled.com/c (Driver%20&%20J-Box).pdf/	custom/download/productFi	le/filename/VLM-Specific		Additional Models Additional Feature Derating Curves System Diagrams
ompact driver for on/off, PWM of VLM60W-24-LPS3R	120 / 277VAC 47 - 63Hz	applications 24V			https://www.diodeled.com/ (Driver%20&%20J-Box).pdf/ Yes	ustom/download/productFi	le/filename/VLM-Specific	7.34 in.	Additional Models Additional Feature Derating Curves System Diagrams 2.36 in.
vLM60W-24-LPS3R VLM60W-24-LPM	120 / 277VAC 47 - 63Hz 120 / 277VAC 47 - 63Hz 120 / 277VAC 47 - 63Hz 120 / 277VAC 47 - 63Hz	24V 24V 24V	60W	No minimum load	https://www.diodeled.com/ (Driver%20&%20J-Box).pdf/ Yes	PWM PWM PWM go Driver Specification Sherusustom/download/productFi	10.79 in. 10.79 in. 10.79 in.	7.34 in. 2.94 in. 7.34 in.	Additional Models Additional Features Derating Curves System Diagrams 2.36 in. 2.36 in. Contains: Additional Models
VLM60W-24-LPS3R VLM60W-24-LPM VLM100W-24-LPS3R	120 / 277VAC 47 - 63Hz 120 / 277VAC 47 - 63Hz 120 / 277VAC 47 - 63Hz 120 / 277VAC 47 - 63Hz	24V 24V 24V	60W	No minimum load	https://www.diodeled.com/ (Driver%20&%20J-Box).pdf/ Yes Yes Yes MEANWELL Constant Volta, https://www.diodeled.com/	PWM PWM PWM go Driver Specification Sherusustom/download/productFi	10.79 in. 10.79 in. 10.79 in.	7.34 in. 2.94 in. 7.34 in.	Additional Models Additional Feature Derating Curves System Diagrams 2.36 in. 1.31 in. 2.36 in. Contains: Additional Models Additional Feature Derating Curves

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							
CBU-TED	CASAMBI TED AC High Voltage Controller							
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							





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Date

Project Name











CERTIFICATIONS WARRANTY LIMITED WARRANTY 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. · 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. · Approved for storage areas of clothes closets per NEC 410.16.A.1,3 and 410.16.C.1,3,5 CONSUMER'S ACKNOWLEDGMENT Elemental LED, Inc. stands behind its products when they are used properly and according to our specifications. By · Ambient Temperature: -4 - 122°F (-20 - 50°C) Elemental LED, Inc. stands behind its products when they are used properly and according to our specifications. By pruchasing 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 an provide, but it is virtually impossible for Elemental LED to design a system that foresees ever unknown ractor. For this reason, this Warranty does not cover problems caused by improper design, configuration or installation issues. Any statement 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. · RoHS Compliant: Verification No. CANEC1610091501 Can be used to comply with TITLE 24 Part 6 High Efficacy Lighting LED requirements - JA8-2016-2022-E 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 license 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. · 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 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 1match existing installed fixtures for subsequent orders or replacements in regards to product appearance, CCT, or lumen output.





VALENT® X | DIMMABLE DRIVER

Specification Sheet







OMNIDRIVE® X

DIMMABLE DRIVER

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



FEATURES & BENEFITS

- · ELV, TRIAC, and 0-10V dimming in a single driver
- · 100-277VAC universal input
- · No minimum load
- Minimum dimming level of <1%, depending on the dimmer.
- · UL Listed and Title 24 compliant

QUICK SPECS

ENVIRONMENT Indoor/Outdoor INPUT VOLTAGE 100-277VAC

OUTPUT VOLTAGE 12VDC & 24VDC Models

CONNECTION TYPE Hardwired

WARRANTY 5 Year Limited Warranty

DIMMING Forward Phase, Reverse Phase

Dimming, and 0-10V Dimming

CERTIFICATION UL Listed & JA8/JA10 Compliant

24V OMNIDRIVE® X

оитрит	SKU	WATTAGE	CLASS 2	ENVIRONMENT	DIMENSIONS W/O J-BOX	DIMENSIONS W/ J-BOX (-J)
	DI-0DX-24V30W(-J)*	30W	Yes	Indoor/Outdoor	2.1x0.8x6.1 in.	3.7x1.36x6.5 in.
0.4	DI-ODX-24V60W(-J)*	60W	Yes	Indoor/Outdoor	2.4x1x7 in.	3.7x1.36x7.4 in.
24 VDC	DI-ODX-24V96W(-J)*	96W	Yes	Indoor/Outdoor	2.7x1.7x9 in.	3.7x1.36x8.66 in.
VDC	DI-ODX-24V120W-J	120W	No	Indoor/Outdoor	-	3.7x1.36x8.66 in.
	DI-ODX-24V200W-J	200W	No	Indoor/Outdoor	-	4.92x1.95x10.24 in.

12V OMNIDRIVE® X

OUTPUT	SKU DI-0DX-12V30W(-J)*	WATTAGE 30W	CLASS 2 Yes	ENVIRONMENT Indoor/Outdoor	DIMENSIONS W/O J-BOX 2.1x0.8x6.1 in.	DIMENSIONS W/ J-BOX (-J) 3.7x1.36x6.5 in.
40	DI-ODX-12V60W(-J)*	60W	Yes	Indoor/Outdoor	2.4x1x7 in.	3.7x1.36x7.4 in.
12	DI-0DX-12V100W-J	100W	No	Indoor/Outdoor	-	3.7x1.36x8.66 in.
VDC	DI-0DX-12V120W-J	120W	No	Indoor/Outdoor	-	3.7x1.36x8.66 in.
	DI-0DX-12V200W-J	200W	No	Indoor/Outdoor	-	4.92x1.95x10.24 in.

^{*}These drivers have an optional junction box (J)*. For driver only, do not include "-J".



VALENT® X | COMMERCIAL GRADE PLUG-IN ADAPTER

Specification Sheet







24VDC Plug-in Adapters convert 120VAC voltage to 24VDC output. An adapter is the right choice for portable installations where hard-wiring is not desired.



FEATURES & BENEFITS

- · Black Finish
- Short circuit, over current, over voltage, over temperature protections
- · Fanless design/cooling by free-air convection
- · UL listed 1310 Class 2
- · For use with commercial applications

QUICK SPECS

ENVIRONMENT Indoor/Dry Locations

INPUT VOLTAGE 100-240VAC

OUTPUT VOLTAGE 24VDC

CONNECTION TYPE Wire

WARRANTY 3 Year Limited Warranty

DIMMING PWM

CERTIFICATION UL Listed

Visit the product page on the website for specification sheets, install guides, IES files, and photometric reports.

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DI	_	MODEL	_	VOLTAGE/WATTAGE	_	CLASS	_	COLOR	_	GRADE	
DI	_	PA	_	24V96W	_	CL2		B (Black)	_	CG	(Commercial Grade)

EXAMPLE: 24V 96W Commercial Grade Plug-In Adapter = DI-PA-24V96W-CL2-B-CG



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