0-10V DIMMABLE 90W VW/WD DRIVER

The 0-10V Dimmable 90W VW/WD Driver provides smooth, flicker-free dimming down to 0.1% before darkness, softly tuning CCTs to ensure a quality lighting experience. Compatible with any standard 0-10V dimming system, this UL Listed 24V Class 2 driver is an all-in-one driver/module solution for Variable White and Warm Dim lighting (and Static White dimming too) that eliminates the need for extra components. It uses an integrated junction box with separate input and output wiring compartments.

- 0-10V Constant Voltage driver
- Compatible with 0-10V dimming systems
- Use for Variable White, Warm Dim or Static White
- No minimum load requirement
- Driver can be loaded to maximum wattage
- Meets CEC Title 24 Section JA8 flicker requirements
- Superior flicker-free dimming to 0.1%
- UL Listed Class 2 driver
- Integrated junction box
- Wiring compartments with knockouts for safety

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SPECIFICATIONS

|			
Driver Type	Contstant Voltage	Ambient Operating Temperature	-86 to 104°F (-30 to 40°C)
Wattage	90 W	Over Current Protection	CC Mode
Output Voltage	24V DC	Short Circuit Protection	Yes
Input Voltage	100-277V AC	Over Temperature Protection	90°C Max - Auto Recovery
Voltage Ripple & Noise (Max.)	300 mV (Vp-p)	UL Standards	UL 8750 + UL 1310
Input Frequency	60 Hz	Environmental Rating	Dry and damp location
Power Factor	> 0.96	Dimensions (L x W x H)	8.4 x 4.1 x 1.5 in. (213 x 104 x 38 mm)
Efficiency @ Full Load	89%		
Rated Output Current	3.75 A		

DIMMING PERFORMANCE

Dimming Protocol	0-10V
Control Channels	2
Dimming Range	0.1-100%
Dim to Off	Yes
Dimming Method	PWM (2400 Hz)
Dimming Curve	Logarithmic (Default)

MAX LENGTH BETWEEN DRIVER AND RIBBONLYTE AT FULL LOAD

Wire Gauge	Feet	Meters
24 AWG	6.15	1.88
22 AWG	9.75	2.97
20 AWG	15.50	4.73
18 AWG	24.64	7.51
16 AWG	39.18	11.95
14 AWG	75.64	23.06
12 AWG	99.08	30.21
10 AWG	157.51	48.02
8 AWG	250.45	76.36

FLICKER PERFORMANCE GRAPH

- As defined in IEEE P1789, the results are presented with the low-risk in yellow and no observable effect in green.
- Compliant to Title 24 Flicker Requirements.

Dimming Level

- ▲ 100%
- ▲ 75%
- ▲ 50%
- ▲ 25%
- ▲ 5%
- ▲ 1%

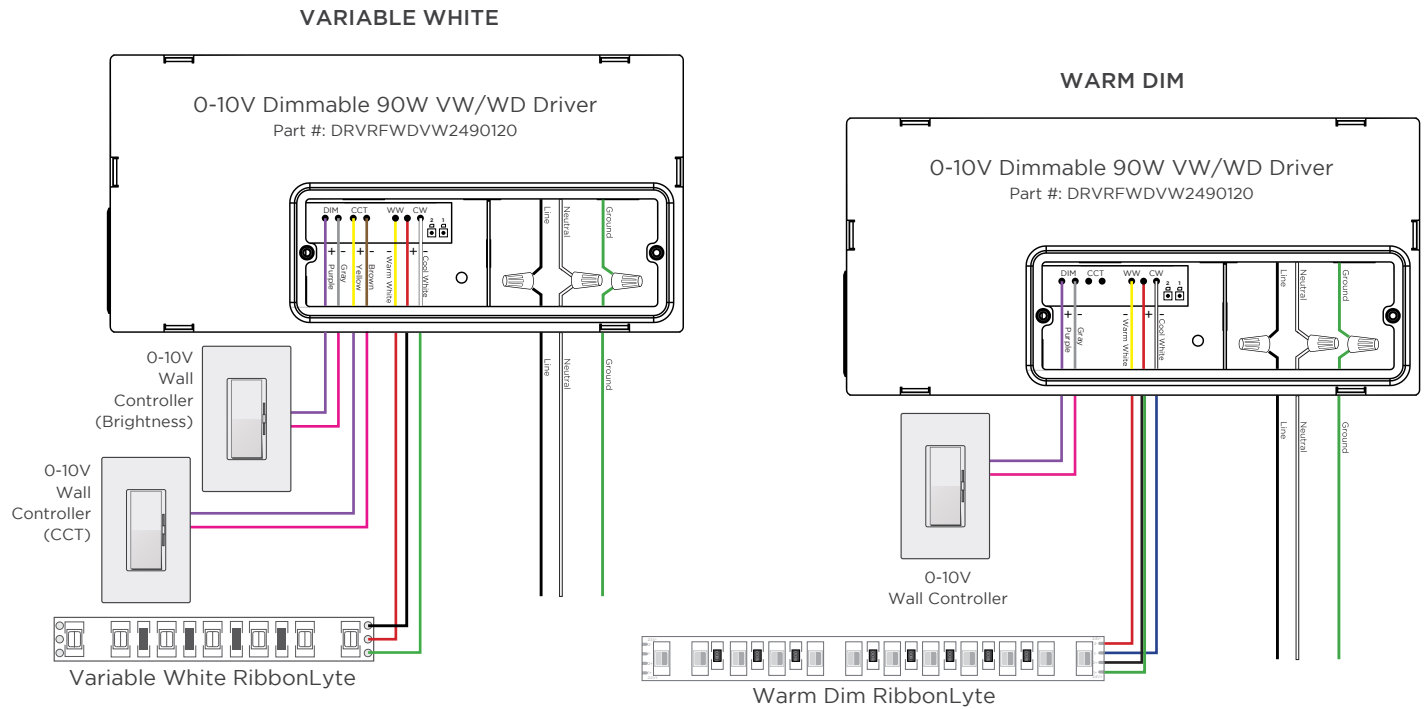DANGER ZONE | LOW RISK | NO EFFECT
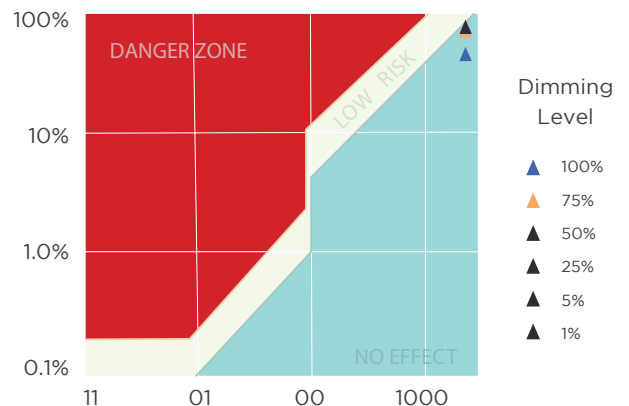
ORDERING GUIDE

PART NUMBER

DRVRFWDVW2490120

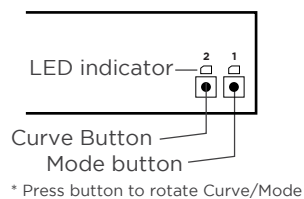**DRVRFWDVW2490120** - 0-10V Dimmable 90W VW/WD Driver

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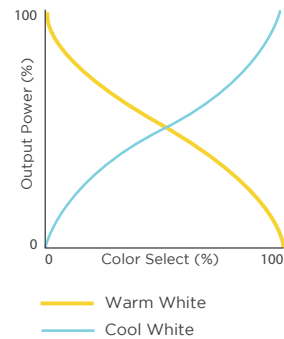
WIRING DIAGRAM

VARIABLE WHITE

0-10V Dimmable 90W VW/WD Driver
Part #: DRVRFWDVW2490120

0-10V Wall Controller (Brightness)

0-10V Wall Controller (CCT)

Variable White RibbonLyte

WARM DIM

0-10V Dimmable 90W VW/WD Driver
Part #: DRVRFWDVW2490120

0-10V Wall Controller

Warm Dim RibbonLyte

DIMMING MODES

LED INDICATOR FOR MODE BUTTON	MODE
Red	Variable White
Orange	Dim to Warm
Green	Dimming

LED INDICATOR FOR CURVE BUTTON	MODE
Red	Ax
Orange	Bx
Green	Cx

LED indicator

Curve Button
Mode button

* Press button to rotate Curve/Mode

PERFORMANCE CURVES

Color Temperature

Output Power (%)
Color Select (%)

— Warm White
— Cool White

Dimming Curve

Dimming Level (%)
Slider Position (%)

DIMENSIONS

L x W x H
8.4 x 4.1 x 1.5 in.
213 x 104 x 38 mm

8.4 in. (213 mm)

4.1 in. (104 mm)

1.5 in. (38 mm)

0.8 in. (20.41 mm)

0.74 in. (18.85 mm)