Tunable White & Dim to Warm

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Introduction

Tunable White

Tunable white enables the color temperature to be adjustable from **2200K - 5000K**, Vode's standard range. Vode fixtures use a 2-channel LED board to provide a range of color temperatures. Vode Zipper Boards have 72 LEDs per foot, (36) 2200K and (36) 5000K. Contact factory if a different color range is required.

2200K   5000K

Tunable white can be used to alter a space where color temperature is critical to the design, such as retail, hospitality, and healthcare.

Dim to Warm

Dim to warm enables the color temperature to be adjustable from **2200K-3000K**. Dim to Warm is designed to replicate the feeling of dimming an incandescent light. Vode fixtures use a 2-channel LED board to provide a range of color temperatures. Vode Dim to Warm Zipper Boards have 72 LEDs per foot, (36) 2200K and (36) 3000K.

2200K   3000K

Dim to warm is often used in hospitality, residential, and restaurant applications.
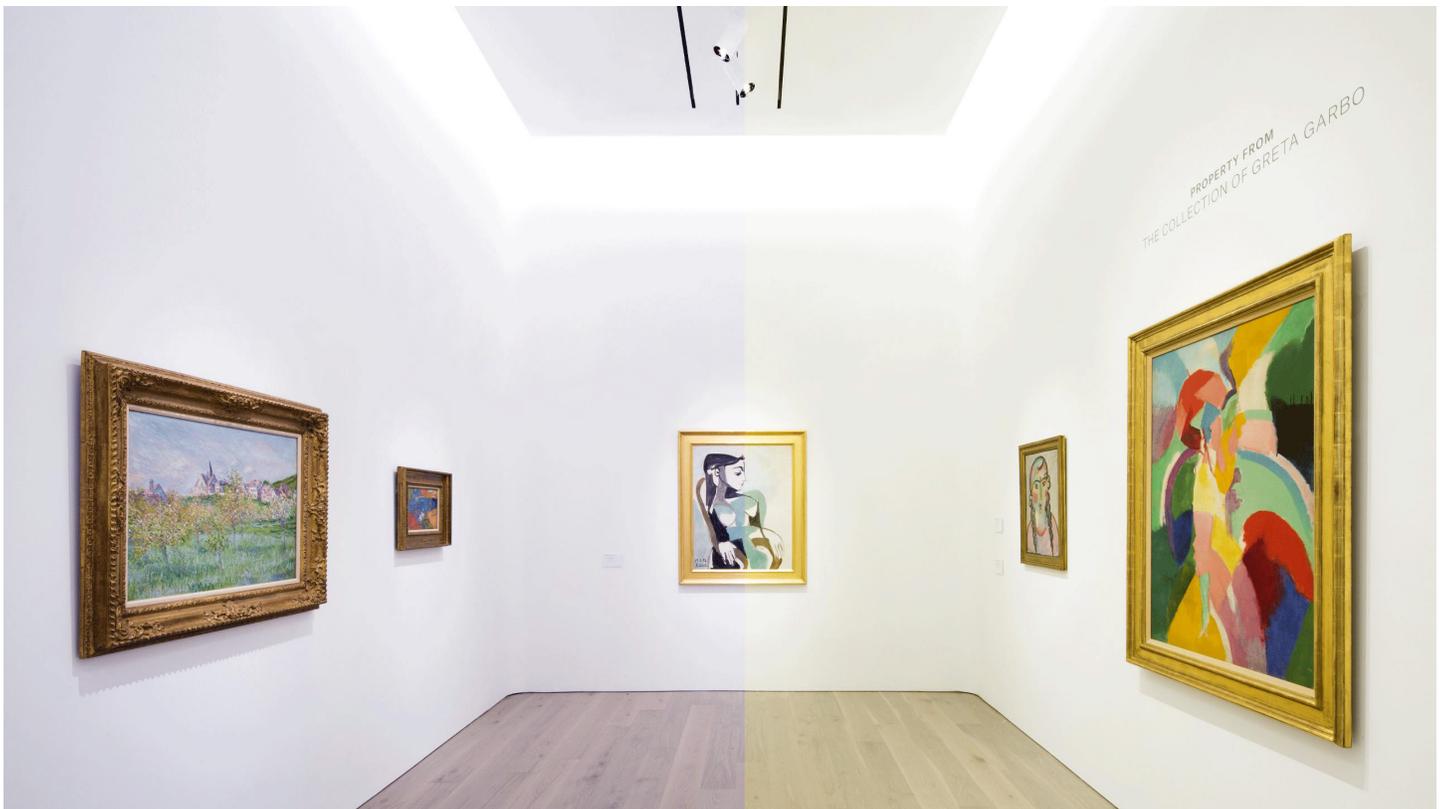
Input Wattage and Voltage for all Vode Systems

The chart below shows the input wattage and voltage information for Vode systems. To select a driver, use below system specs. Contact Vode for any assistance required for specifying your system.

Remote Power
Vode Zipper Board™

107 | BoxRail®
107 | RaceRail®
107 | WingRail®
107 | DoubleBox †
107 | DoubleRace †

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Low Output	3W, 6V	6W, 15V	9W, 24V	12W, 32V	15W, 41V	18W, 50V	25W, 35V
Standard Output	5W, 6V	11W, 15V	17W, 24V	23W, 32V	29W, 41V	35W, 50V	49W, 35V
High Output	9W, 6V	21W, 15V	33W, 24V	45W, 32V	57W, 41V	70W, 50V	72W, 35V

707 | ZipOne®

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Low Output	4W, 9V	7W, 18V	10W, 27V	13W, 35V	16W, 44V	19W, 53V	25W, 35V
Standard Output	7W, 9V	13W, 18V	19W, 27V	25W, 35V	31W, 44V	37W, 53V	49W, 35V
High Output	10W, 9V	19W, 18V	28W, 27V	37W, 35V	46W, 44V	55W, 53V	73W, 35V

707 | ZipThree®
907 | BoxRail®

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Low Output	4W, 9V	7W, 18V	10W, 27V	13W, 35V	16W, 44V	19W, 53V	25W, 35V
Standard Output	7W, 9V	13W, 18V	19W, 27V	25W, 35V	31W, 44V	37W, 53V	49W, 35V
High Output	10W, 9V	19W, 18V	28W, 27V	37W, 35V	46W, 44V	55W, 53V	73W, 35V

707 | ZipTwo®
707 | Wedge

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)	108" (2743mm)	120" (3048mm)	132" (3352mm)	144" (3658mm)
Low Output	4W, 9V	7W, 18V	10W, 27V	13W, 35V	16W, 44V	19W, 53V	25W, 35V	31W, 44V	31W, 44V	37W, 53V	37W, 53V
Standard Output	7W, 9V	13W, 18V	19W, 27V	25W, 35V	31W, 44V	37W, 53V	49W, 35V	62W, 44V	62W, 44V	74W, 53V	74W, 53V
High Output	10W, 9V	19W, 18V	28W, 27V	37W, 35V	46W, 44V	55W, 53V	70W, 35V	88W, 42V	88W, 42V	N/A	N/A

807 | Nexa

	24" (610mm)	30" (762mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	90" (2286mm)	96" (2438mm)	108" (2743mm)	120" (3048mm)	132" (3352mm)	144" (3658mm)
Very Low Output	4W, 18V	5W, 21V	6W, 27V	7W, 35V	9W, 44V	11W, 53V	13W, 35V	14W, 35V	18W, 44V	18W, 44V	21W, 53V	21W, 53V
Low Output	7W, 18V	8W, 21V	10W, 27V	13W, 35V	16W, 44V	19W, 53V	23W, 35V	25W, 35V	31W, 44V	31W, 44V	37W, 53V	37W, 53V
Standard Output	13W, 18V	15W, 21V	19W, 27V	25W, 35V	31W, 44V	37W, 53V	46W, 35V	49W, 35V	61W, 44V	61W, 44V	73W, 53V	73W, 53V
High Output	19W, 18V	22W, 21V	28W, 27V	37W, 35V	46W, 44V	55W, 53V	69W, 35V	73W, 35V	N/A	N/A	N/A	N/A

207 | BoxRail ®

	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)	120" (3048mm)	144" (3658mm)
Low Output (Indirect)	6W, 15V	9W, 24V	12W, 32V	15W, 41V	18W, 50V	25W, 35V	31W, 44V	37W, 53V
Low Output (Direct)	7W, 18V	10W, 27V	13W, 35V	16W, 44V	19W, 53V	25W, 35V	31W, 44V	37W, 53V
Standard Output (Indirect)	11W, 15V	17W, 24V	23W, 32V	29W, 41V	35W, 50V	49W, 35V	61W, 44V	73W, 53V
Standard Output (Direct)	13W, 18V	19W, 27V	25W, 35V	31W, 44V	37W, 53V	49W, 35V	61W, 44V	73W, 53V
High Output (Indirect)	20W, 15V	33W, 24V	45W, 32V	57W, 41V	69W, 50V	N/A	N/A	N/A
High Output (Direct)	25W, 18V	37W, 27V	49W, 35V	61W, 44V	73W, 53V	N/A	N/A	N/A

System 107

System Code	107				
Single/Double Rail	01				
Rail Type	BX	RR	WG	DB	DR
Rail Length	24	36	48	60	72	96
Mounting	WA	CA	TA	CC	
LED Type	Z				
Lumen Output	LO	SO	HO		

Additional Information

1. Arm mount (CA, WA, TA) available as individual rails or continuous systems
2. Not available with Cord & Plug and on/off switch options
3. WingRail not available with baffle
4. Follow standard rail length and mounting configurations. Contact Vode for assistance specifying

System 117

System Code	117				
Single/Double Rail	K1	K2			
Rail Type	BX	RR	WG		
Rail Length	24	36	48	60	72
Mounting	ST				
LED Type	Z				
Lumen Output	LO	SO	HO		

Additional Information

1. 24" and 36" rails lengths not available in Double Rails (K2)
2. WingRail not available with baffle
3. Follow standard rail length and mounting configurations. Contact Vode for assistance specifying

System 207

System Code	207						
Rail Type	BX						
Rail Length	24	36	48	60	72	96	120	144
Mounting	CC						
LED Type	Z						
Lumen Output	LO	SO	HO				

Additional Information

1. Follow standard rail length and mounting configurations. Contact Vode for assistance specifying

System 707

System Code	707								
Rail Type	Z1	Z2	Z3	Z9	WE				
Rail Length	24	36	48	60	72	96	108	120	132	144
Mounting	SL	CC							
LED Type	Z								
Lumen Output	LO	SO	HO						

Additional Information

1. Follow standard rail length and mounting configurations. Contact Vode for assistance specifying

System 807

System Code	807										
Rail Type	NEX3	NEX5									
Rail Length	24	36	30	48	60	72	90	96	108	120	132	144
Mounting	SL	RS	S								
LED Type	Z										
Lumen Output	VLO	LO	SO	HO							

Additional Information

1. Follow standard rail length and mounting configurations. Contact Vode for assistance specifying

System 907

System Code	907				
Rail Type	BX				
Rail Length	24	36	48	60	72
Mounting	F1S	R1B	R2S		
LED Type	Z				
Lumen Output	LO	SO	HO		

Additional Information

1. Follow standard rail length and mounting configurations. Contact Vode for assistance specifying

Controlling Tunable White

Vode recommends using eldoLED DUAL drive DALI power supply for tunable white systems in the following methods:

0-10V Applications:
• Supplied with an eldoLED translator (SC4202L) to convert 0-10v single to DALI.
• Driver and translator supplied in one 4.15" x 2.05" x 20 metal housing.
• 0-10V controller provided by others
• 0.1% or 1% dimming available
• One driver per rail section
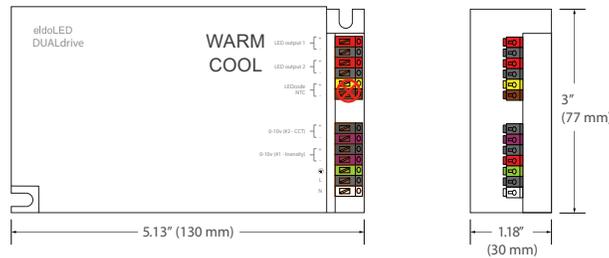• Two wire harnesses per rail section provided as standard

DALI Applications:
• The DALI power supply unit (PSU) and controller provided by others
• 0.1% Dimming
• One driver per rail section
• Two wire harnesses per rail section provided as standard

nLight Lighting Control Platform:
• Utilizes the eldoLED DUALdrive with nIO device
• eldoLED LEDcode Dimmer and controller provided by others
• 0.1% dimming
• One driver per rail section
• Two wire harnesses per rail section provided as standard

Technical Specifications for eldoLED DUALdrive **561/S** (50W)

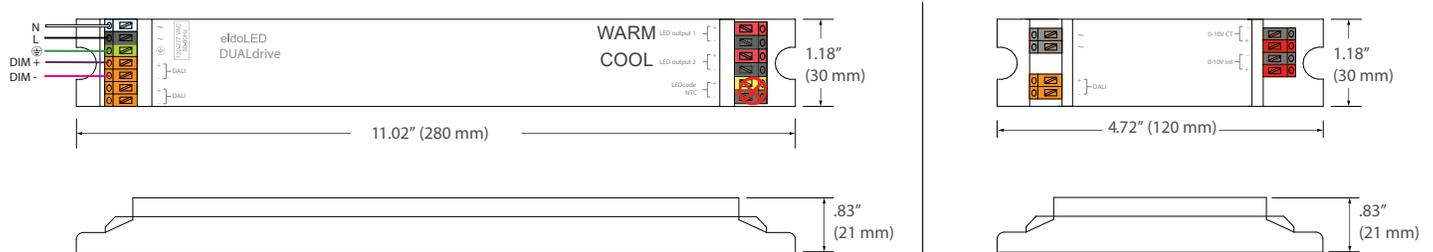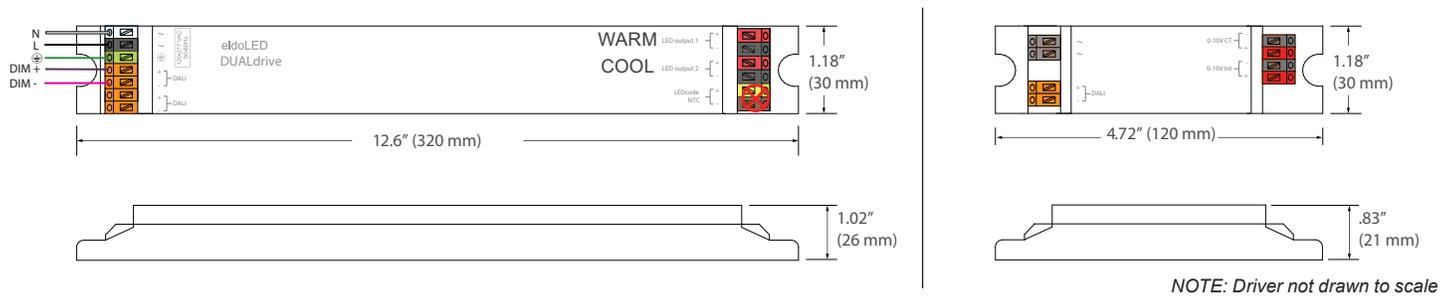|	
Dimming Control:	0-10V
Dimming Range:	100% to 0.1% (Factory Programmed to 1% upon request)
Dimming Curve:	Driver dimming curve is factory preset to linear. Logarithmic is available upon request
Dimming Type:	Analog, hybrid of constant current reduction (CCR) and pulse width modulation (PWM)
Wattage:	50W
Input Voltage:	Universal 120-277V, 50/60 Hz.
Type:	Constant current, Class 2
Operating Temperature:	-20°C to 50°C (-4°F to 122°F)
LED output current range:	150 - 1,400mA
Output:	2 x (2-55V)
Remote Distance:	Up to 100' (30.5m) from LED source

Driver Wiring and Sizing Information

NOTE: Driver not drawn to scale

Technical Specifications for eldoLED DUALdrive **360/U** (30W)

Dimming Control:	DALI-2 Device Type 6
Dimming Range:	100% to 0.1% (Factory Programmed to 1% upon request)
Dimming Curve:	Driver dimming curve is factory preset to linear. Logarithmic is available upon request
Dimming Type:	Analog, hybrid of constant current reduction (CCR) and pulse width modulation (PWM)
Wattage:	30W
Input Voltage:	Universal 120-277V, 50/60 Hz.
Type:	Constant current, Class 2
Operating Temperature:	-20°C to 50°C (-4°F to 122°F)
LED output current range:	150 - 1,400mA
Output:	2 x (2-55V)
Remote Distance:	Up to 100' (30.5m) from LED source

Driver Wiring and Sizing Information

DUALDrive 360/U

NOTE: Driver not drawn to scale

Technical Specifications for eldoLED DUALdrive **560/L** (50W)

Dimming Control:	DALI-2 Device Type 6
Dimming Range:	100% to 0.1% (Factory Programmed to 1% upon request)
Dimming Curve:	Driver dimming curve is factory preset to linear. Logarithmic is available upon request
Dimming Type:	Analog, hybrid of constant current reduction (CCR) and pulse width modulation (PWM)
Wattage:	50W
Input Voltage:	Universal 120-277V, 50/60 Hz.
Type:	Constant current, Class 2
Operating Temperature:	-20°C to 50°C (-4°F to 122°F)
LED output current range:	150 - 1,400mA
Output:	2 x (2-55V)
Remote Distance:	Up to 100' (30.5m) from LED source

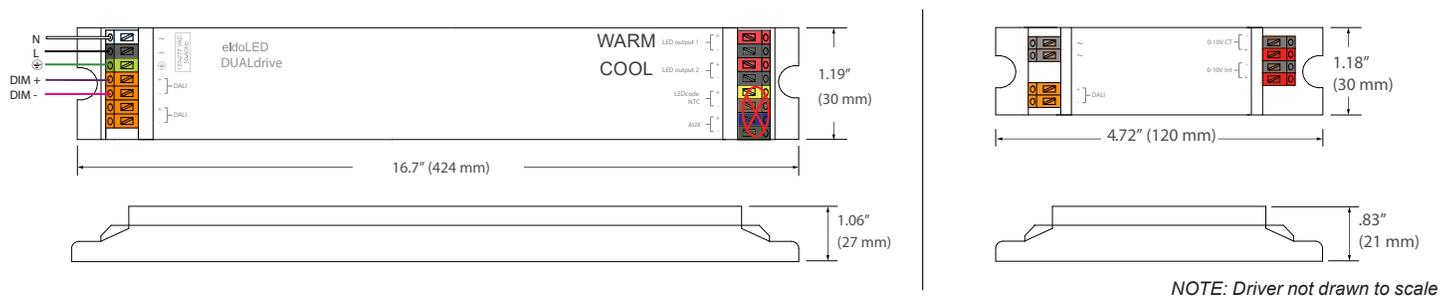## Driver Wiring and Sizing Information

DUALDrive 560/L

NOTE: Driver not drawn to scale

Technical Specifications for eldoLED DUALdrive **760/L** (75W)

Dimming Control:	DALI-2 Device Type 6
Dimming Range:	100% to 0.1% (Factory Programmed to 1% upon request)
Dimming Curve:	Driver dimming curve is factory preset to linear. Logarithmic is available upon request
Dimming Type:	Analog, hybrid of constant current reduction (CCR) and pulse width modulation (PWM)
Wattage:	75W
Input Voltage:	Universal 120-277V, 50/60 Hz.
Type:	Constant current, Class 2
Operating Temperature:	-20°C to 50°C (-4°F to 122°F)
LED output current range:	150 - 1,400mA
Output:	2 x (2-55V)
Remote Distance:	Up to 100' (30.5m) from LED source

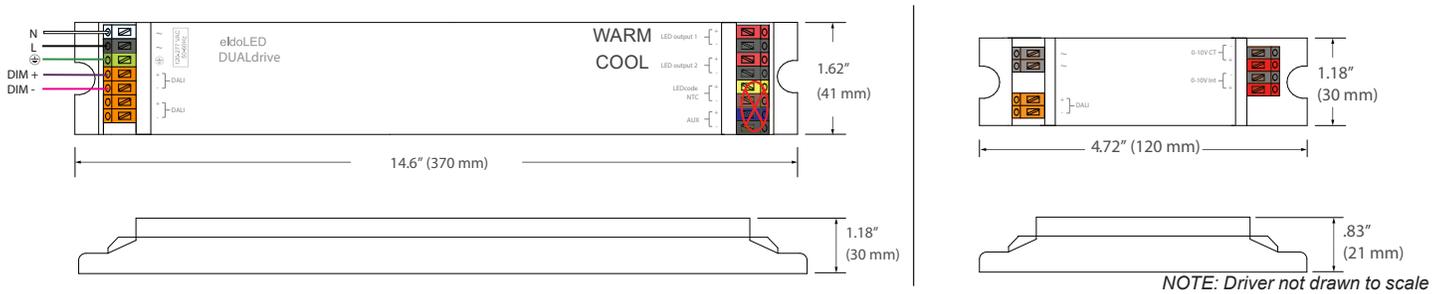## Driver Wiring and Sizing Information

DUALDrive 760/L

NOTE: Driver not drawn to scale

Technical Specifications for eldoLED DUALdrive **1065/M** (100W)

Dimming Control:	DALI-2 Device Type 6
Dimming Range:	100% to 0.1% (Factory Programmed to 1% upon request)
Dimming Curve:	Driver dimming curve is factory preset to linear. Logarithmic is available upon request
Dimming Type:	Analog, hybrid of constant current reduction (CCR) and pulse width modulation (PWM)
Wattage:	100W
Input Voltage:	Universal 120-277V, 50/60 Hz.
Type:	Constant current, Class 2
Operating Temperature:	-20°C to 50°C (-4°F to 122°F)
LED output current range:	150 - 1,400mA
Output:	2 x (2-55V)
Remote Distance:	Up to 100' (30.5m) from LED source

Driver Wiring and Sizing Information

DUALDrive 1065/U

NOTE: Driver not drawn to scale

Controlling DIM to WARM

0-10V Applications
• 0-10V controller provided by others.
• 0.1% dimming.
• One driver per rail section.
• Two wire harnesses per rail section provided as standard.

DALI Applications
• The DALI power supply unit (PSU) and controller provided by others.
• 0.1% dimming.
• One driver per rail section.
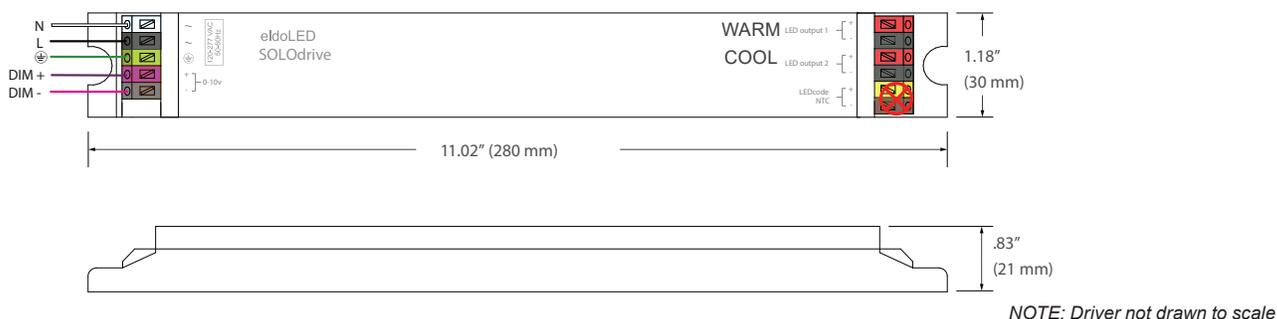• Two wire harnesses per rail section provided as Standard.

nLight Lighting Controls Platform
• Utilizes the eldoLED DUALdrive with nIO device
• eldoLED LEDcode dimmer and controller provided by others.
• 0.1% dimming.
• One driver per rail.
• Two wire harnesses per rail section provided as Standard.

Technical Specifications for eldoLED SOLOdrive **30U-M2Z0A** (30W)

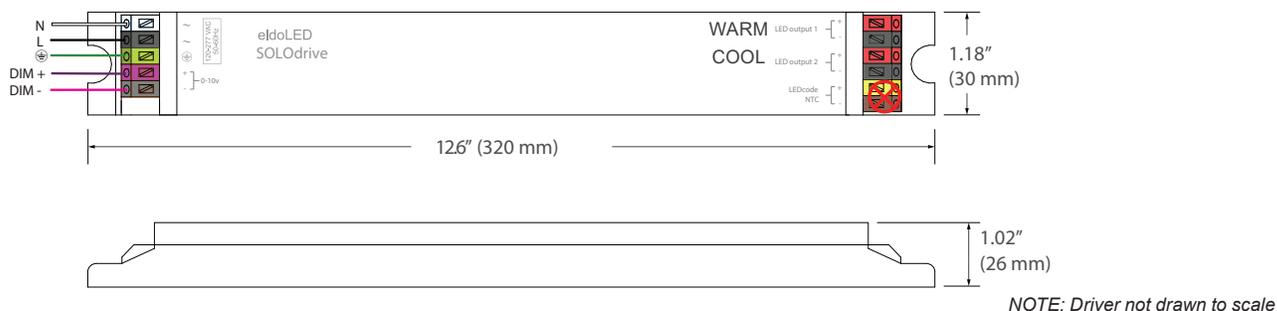|	
Dimming Control:	0-10v (isolated)
Dimming Range:	100% to 0.1%
Dimming Curve:	Driver dimming curve is factory preset to linear. Logarithmic is available upon request
Dimming Type:	Analog, hybrid of constant current reduction (CCR) and pulse width modulation (PWM)
Wattage:	30W
Input Voltage:	Universal 120-277V, 50/60 Hz.
Type:	Constant current, Class 2
Operating Temperature:	-20°C to 50°C (-4°F to 122°F)
LED output current range:	150 - 1,400mA
Output:	2 x (2-55V)
Remote Distance:	Up to 100' (30.5m) from LED source

Driver Wiring Information

NOTE: Driver not drawn to scale

Technical Specifications for eldoLED SOLOdrive **561/L** (50W)

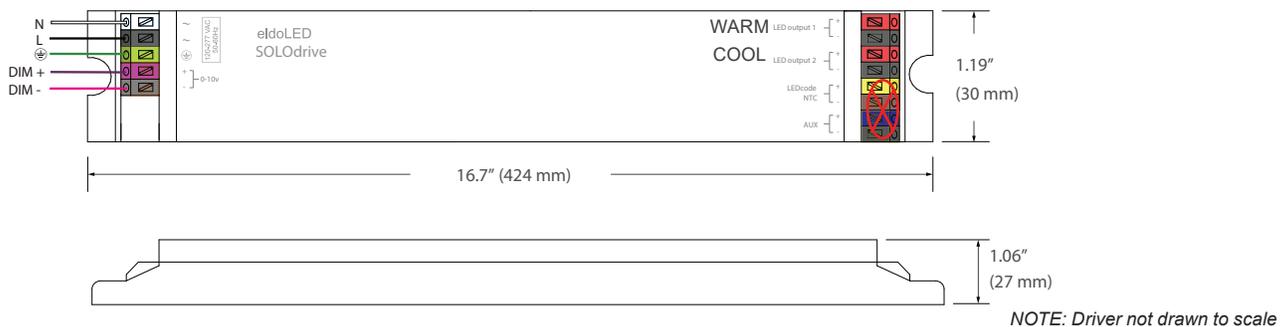|	
Dimming Control:	0-10v (isolated)
Dimming Range:	100% to 0.1%
Dimming Curve:	Driver dimming curve is factory preset to linear. Logarithmic is available upon request
Dimming Type:	Analog, hybrid of constant current reduction (CCR) and pulse width modulation (PWM)
Wattage:	50W
Input Voltage:	Universal 120-277V, 50/60 Hz.
Type:	Constant current, Class 2
Operating Temperature:	-20°C to 50°C (-4°F to 122°F)
LED output current range:	150 - 1,400mA
Output:	2 x (2-55V)
Remote Distance:	Up to 100' (30.5m) from LED source

Driver Wiring Information

NOTE: Driver not drawn to scale

Technical Specifications for eldoLED SOLOdrive **75L-M2A0A** (75W)

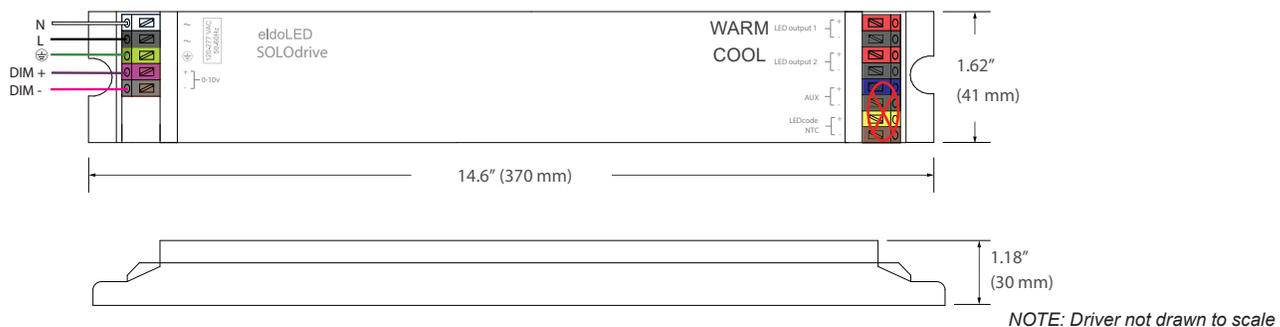|	
Dimming Control:	0-10v (isolated)
Dimming Range:	100% to 0.1%
Dimming Curve:	Driver dimming curve is factory preset to linear. Logarithmic is available upon request
Dimming Type:	Analog, hybrid of constant current reduction (CCR) and pulse width modulation (PWM)
Wattage:	75W
Input Voltage:	Universal 120-277V, 50/60 Hz.
Type:	Constant current, Class 2
Operating Temperature:	-20°C to 50°C (-4°F to 122°F)
LED output current range:	150 - 1,400mA
Output:	2 x (2-55V)
Remote Distance:	Up to 100' (30.5m) from LED source

Driver Wiring Information

NOTE: Driver not drawn to scale

Technical Specifications for eldoLED SOLOdrive **1066/M** (100W)

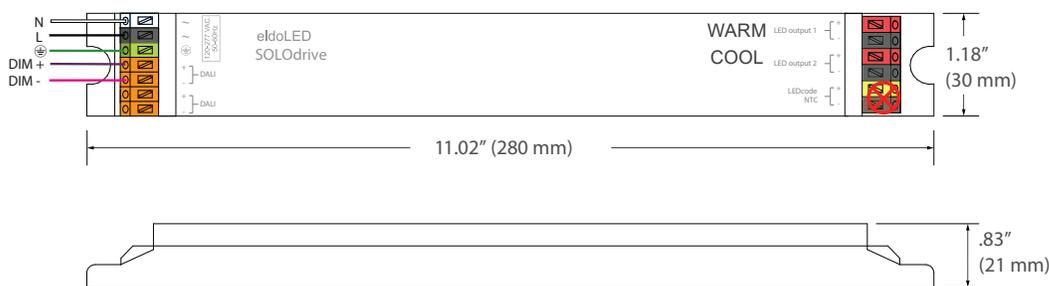|	
Dimming Control:	0-10v (isolated)
Dimming Range:	100% to 0.1%
Dimming Curve:	Driver dimming curve is factory preset to linear. Logarithmic is available upon request
Dimming Type:	Analog, hybrid of constant current reduction (CCR) and pulse width modulation (PWM)
Wattage:	100W
Input Voltage:	Universal 120-277V, 50/60 Hz.
Type:	Constant current, Class 2
Operating Temperature:	-20°C to 50°C (-4°F to 122°F)
LED output current range:	150 - 1,400mA
Output:	2 x (2-55V)
Remote Distance:	Up to 100' (30.5m) from LED source

Driver Wiring Information

NOTE: Driver not drawn to scale

Technical Specifications for eldoLED SOLOdrive **30U-M2Z0D** (30W)

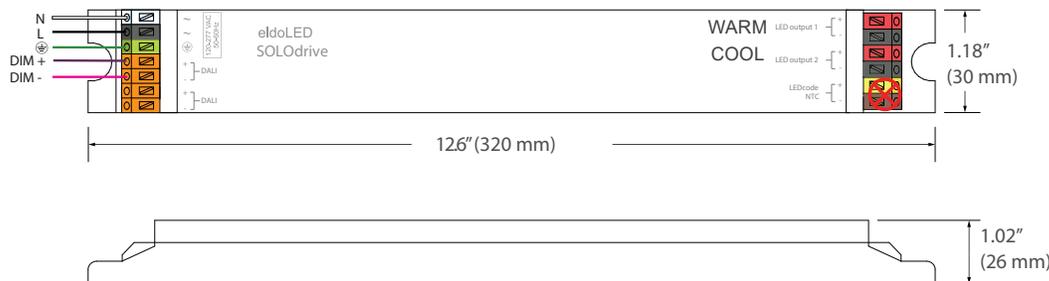|	
Dimming Control:	Digital Addressable Lighting Interface (DALI-2 Device Type 6)
Dimming Range:	100% to 0.1%
Dimming Curve:	Driver dimming curve is factory preset to linear. Logarithmic is available upon request
Dimming Type:	Analog, hybrid of constant current reduction (CCR) and pulse width modulation (PWM)
Wattage:	30W
Input Voltage:	Universal 120-277V, 50/60 Hz.
Type:	Constant current, Class 2
Operating Temperature:	-20°C to 50°C (-4°F to 122°F)
LED output current range:	150 - 1,400mA
Output:	2 x (2-55V)
Remote Distance:	Up to 100' (30.5m) from LED source

Driver Wiring Information

NOTE: Driver not drawn to scale

Technical Specifications for eldoLED SOLOdrive **560/L** (50W)

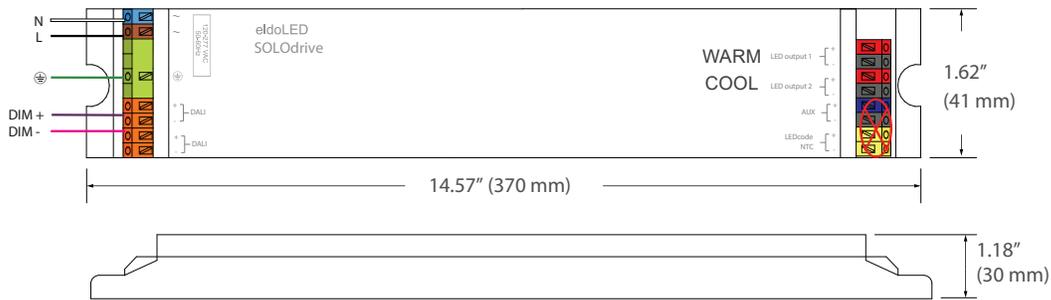|	
Dimming Control:	Digital Addressable Lighting Interface (DALI-2 Device Type 6)
Dimming Range:	100% to 0.1%
Dimming Curve:	Driver dimming curve is factory preset to linear. Logarithmic is available upon request
Dimming Type:	Analog, hybrid of constant current reduction (CCR) and pulse width modulation (PWM)
Wattage:	50W
Input Voltage:	Universal 120-277V, 50/60 Hz.
Type:	Constant current, Class 2
Operating Temperature:	-20°C to 50°C (-4°F to 122°F)
LED output current range:	150 - 1,400mA
Output:	2 x (2-55V)
Remote Distance:	Up to 100' (30.5m) from LED source

Driver Wiring Information

NOTE: Driver not drawn to scale

Technical Specifications for eldoLED SOLOdrive **1065/M** (100W)

Dimming Control:	Digital Addressable Lighting Interface (DALI-2 Device Type 6)
Dimming Range:	100% to 0.1%
Dimming Curve:	Driver dimming curve is factory preset to linear. Logarithmic is available upon request
Dimming Type:	Analog, hybrid of constant current reduction (CCR) and pulse width modulation (PWM)
Wattage:	75W
Input Voltage:	Universal 120-277V, 50/60 Hz.
Type:	Constant current, Class 2
Operating Temperature:	-20°C to 50°C (-4°F to 122°F)
LED output current range:	150 - 1,400mA
Output:	2 x (2-55V)
Remote Distance:	Up to 100' (30.5m) from LED source

Driver Wiring Information

NOTE: Driver not drawn to scale