vode Adaptive Architectural Lighting Systems

Remote Power Guide

Overview of Vode driver availability, specifications, wiring information, and dimmer compatibility.

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Contents

Power Overview

Driver Information

This guide includes technical information to help you quickly choose a driver. Vode uses a variety of drivers to meet the requirements of each LED product. Drivers are selected and programmed depending on rail type, power requirements, dimming protocols and LED type. If a specific driver data sheet is required, please contact Vode or your Vode agent.

Vode supplies 18 AWG multi-core wire harnesses for all driver to rail connections (except Vode ZipWave™ | 707). Vode does not approve the use of other wiring, doing so will void your warranty. All drivers provided are equipped with a luminaire quick disconnect on the line voltage power side.

Vode LED Boards
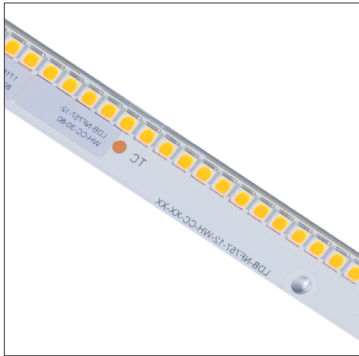
Zipper Board™
Low power LEDs with a 0.16" (4mm) pitch. A variety of optics are available for each system.
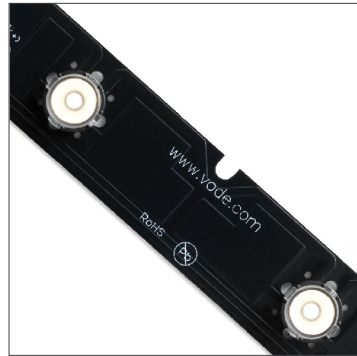
Button Board™
High power LEDs with a 1.5" (38mm) to 2" (51mm) pitch, depending on the product. Optics are included to control the beam angle.

Driver and Wiring Information

Unless otherwise requested, one driver per rail will be supplied. NOTE: DoubleBox™, DoubleRace™, Dual Direction ZipThree® Wall Mount and ZipThree® Ceiling Cable are considered two rails in one and will be provided with two drivers.

Programmed Output & Wattage

If your lumen or power (W) requirements are not met by Low, Standard, or High Output Vode can program the driver to adjust the lumen output and system wattage. Please contact Vode or your Vode agent for details.

All drivers are universal 120v-277v with the exception of AH2: Lutron 2-wire, which is only available in 120v.

Constant Current Drivers

LED drivers come in two types: constant current and constant voltage. Constant current drivers provide a predetermined amount of current (amps) and vary the output voltage according to demand. Constant voltage drivers provide a constant voltage and vary the current load. Vode uses constant current drivers for the reasons below:

Design
Preset current allows for precise control of light output.

Dimming
0.1% dimming levels are possible through the combination of current reduction and pulse width modulation (PWM).

Flickering
Constant current greatly minimizes visible flicker.

Reliability & Efficiency
The constant current design eliminates inefficient regulator components, increasing overall system efficiency.

Remote Power

What is remote power?
Locating the power supply (*LED driver*) away from the fixture.

Benefits
• Allows minimum fixture profile
• Remove heat from fixture, extending the life of the LEDs
• Remove heat generating device from conditioned space
• Drivers can be grouped in a single location, making installation, control wiring and maintenance easier.

Features
•Drivers can be located up to 100' (30.5 m) away from fixture. Consult driver specifications for exact length. Remote distance is calculated using Vode provided 18 AWG wire harness.

How does Vode supply Remote Power?
•Remote drivers come in two styles: remote brick power supply and remote linear power supply.
•Remote brick power supply is a 4.32" x 3.37" x 0.078" Galvanized Steel mounting plate that fits all 4" square J-Boxes.
•Remote Linear power supply is 20.7" x 2.375" x 2.53", 0.054" formed Galvanized Steel with five (5) knockouts: (4) 1-1/8", (1) 7/8" and (1) 9/16"

Remote Linear Power Supply

One remote power supply housing is supplied with each power supply. All Vode remote linear drivers come in a 1/16" (0.8mm) formed Galvanized Steel power supply housing with five (5) knockouts: (4) 1-1/8", (1) 7/8" and (1) 9/16". Accommodates standard linear power supplies.

20.7"
(526 mm)

20.5"
(521 mm)

2.53"
(64 mm)

2.38"
(61 mm)

1.23"
(31 mm)

0.63"
(16 mm)
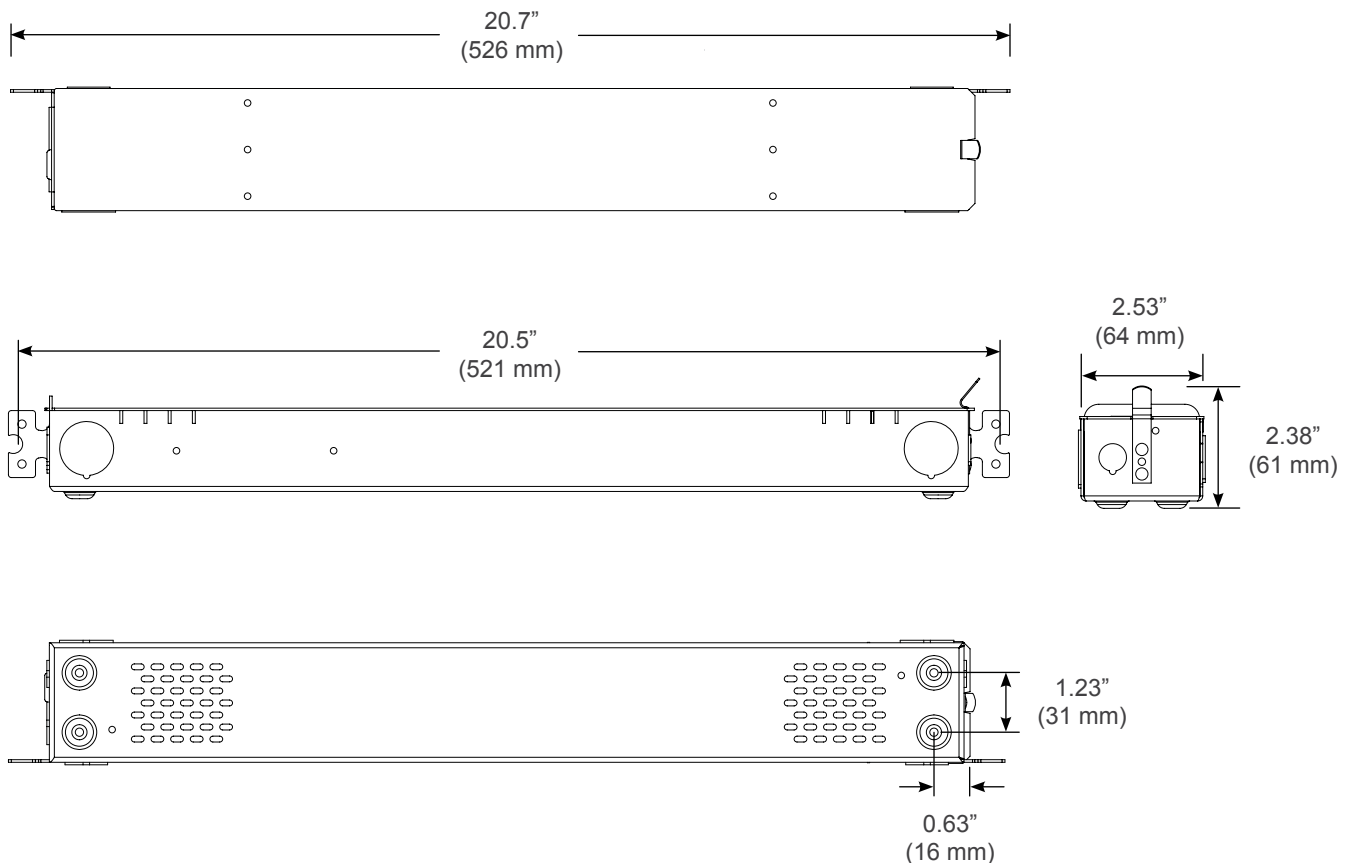
Remote Power Continued

Remote Brick Power Supply

Supplied for some remote power applications. One remote power supply housing is supplied for each rail. Provided driver mounting plate fits all standard 4" square J-Boxes (*J-Box not provided*). Vode recommends 21 cubic inches as the minimum J-Box size, 4"x 4" x 1.5".

4.32"
(110 mm)

3.37"
(86 mm)
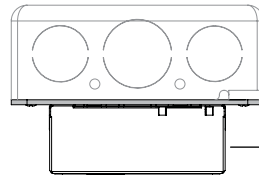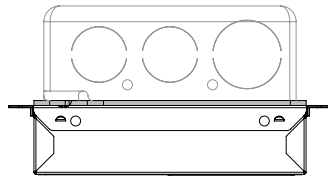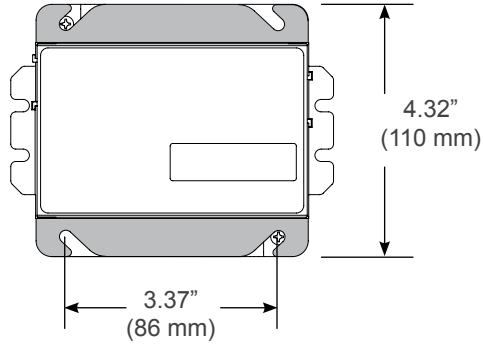
4" square J-Box
(*provided by others*)

For driver dimension see **Driver Information** section. Dimension varies depending on driver type.

4"
(102 mm)

4"
(102 mm)
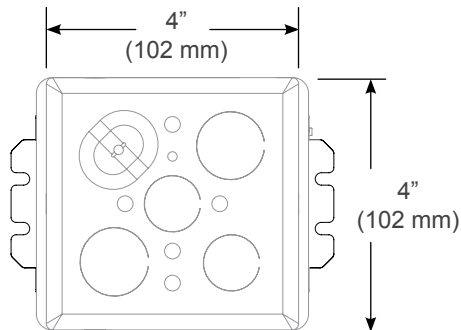
Remote Power Continued

Vode typically supplies one single-output driver per fixture which allows each fixture to be controlled independently. Two single-output drivers are supplied per dual fixture which allows direct and indirect lighting on the fixture to be controlled independently.

Note: Drawings not to scale, for reference only.

Remote Brick
Power Housing

J-Box
(provided by others)

Plenum Rated
Wire Harness

ZipTwo® | Clip Mount
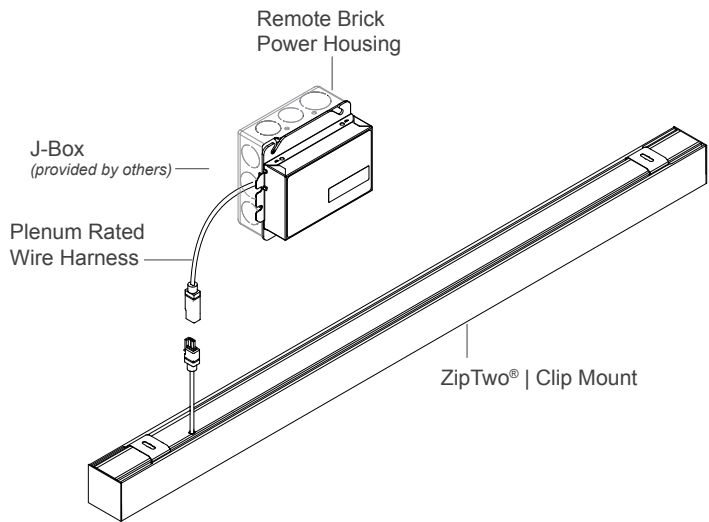
One single output **Driver** powering
One single direction **Fixture**

J-Box
(provided by others)

Plenum Rated
Wire Harnesses

Remote Brick
Power Housing

DoubleBox™ Rail |
Small Round Canopy
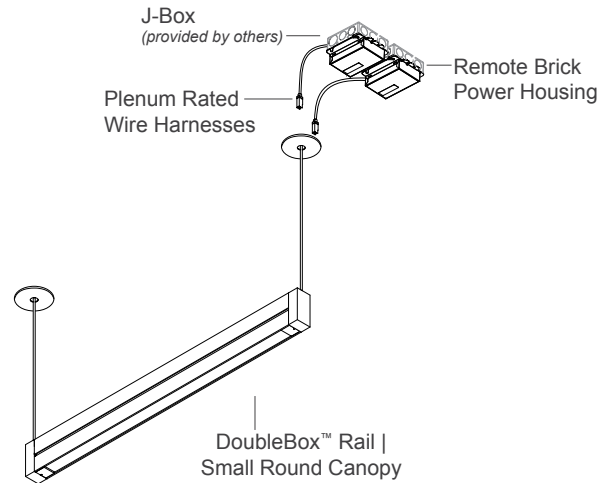
Two single output **Drivers** powering
One dual direction **Fixture**

Optimizing Power

Depending on system configurations and power requirements, power can be optimized. Installation cost can potentially be reduced by using multiple output drivers. Up to 4 fixtures can be powered off one 4-output driver, depending on project requirements. Vode uses 2 & 4 output drivers to optimize power.

IMPORTANT: Each fixture will still require individual wire harnesses, as shown below

Note: Drawings not to scale, for reference only.

Remote Linear
Power Housing

Plenum Rated
Wire Harnesses

ZipTwo® | Magnet Mount

One 2-output **Driver** powering
Two single direction **Fixtures**

Remote Linear
Power Housing

Plenum Rated
Wire Harnesses

ZipTwo® | T5 Clip
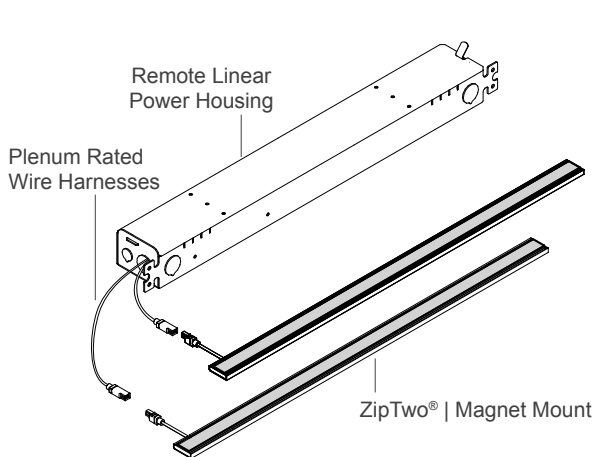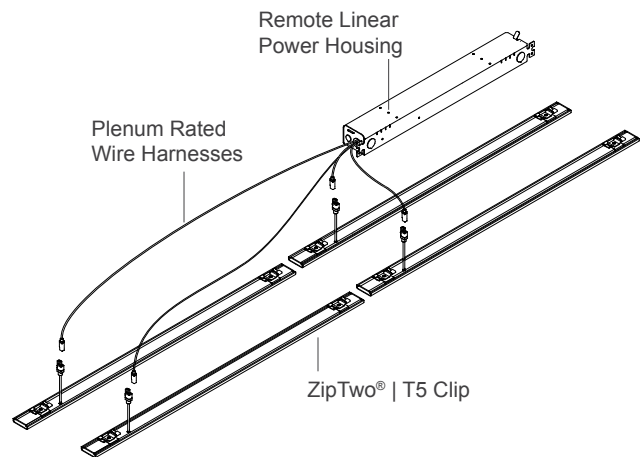
One 4-output **Driver** powering
Four single direction **Fixtures**

Mounting Remote Power

Maximum remote driver distance depends on the driver type selected. Many drivers can be installed up to 100' (30.5 m) from the fixture. Vode typically supplies a 25' (7.6 m) wire harness, unless otherwise requested.

IMPORTANT: Do not exceed maximum allowable distance as detailed per driver type.

Note: Drawings not to scale, for reference only.

Remote Brick Power Housing   Remote Brick Power Housing

Vode provided 18/2 Wire Harness   Vode provided 18/2 Wire Harness
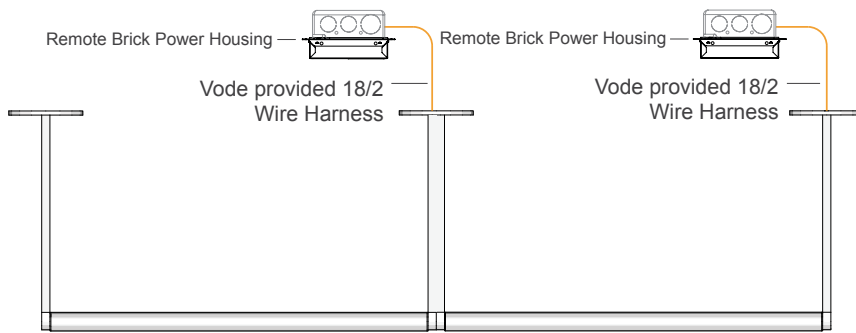
Two single output **Drivers** powering
Two single direction **Fixtures**
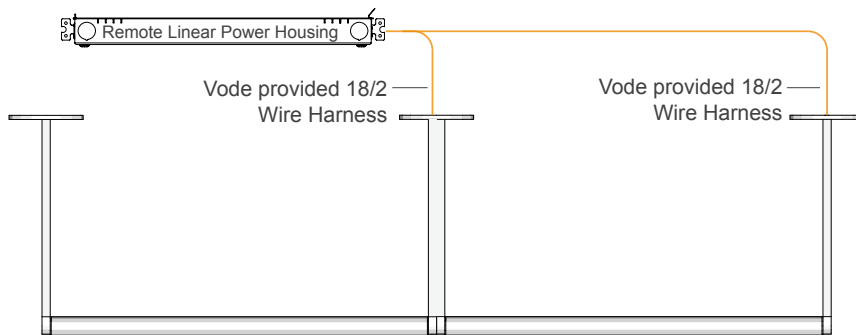
Remote Linear Power Housing

Vode provided 18/2 Wire Harness   Vode provided 18/2 Wire Harness

One 2-output **Driver** powering
Two single direction **Fixtures**

Mounting Remote Power Continued

Where can it be mounted?

Remote Power can be located in a variety of spaces. Since power is located away from the fixture it can be mounted in a variety of spaces adding ease of installation and driver maintenance.

Drywall Integration

Remote power housings can be installed in one location for ease of installation and maintenance. Vode's plenum rated wire harness is easily installed to bring power from housing to fixtures. Check local building code to determine if conduit is required.

Note: Drawings not to scale, for reference only.

Vode Fixture
107 DoubleBox Rail
Ceiling Suspended
Small Round Canopy

Vode Fixture
107 WingRail
Small Square Canopy

Remote Power
Housing

4" J-Box
(provided by others)

Remote Power
Housing

Conduit
(provided by others)

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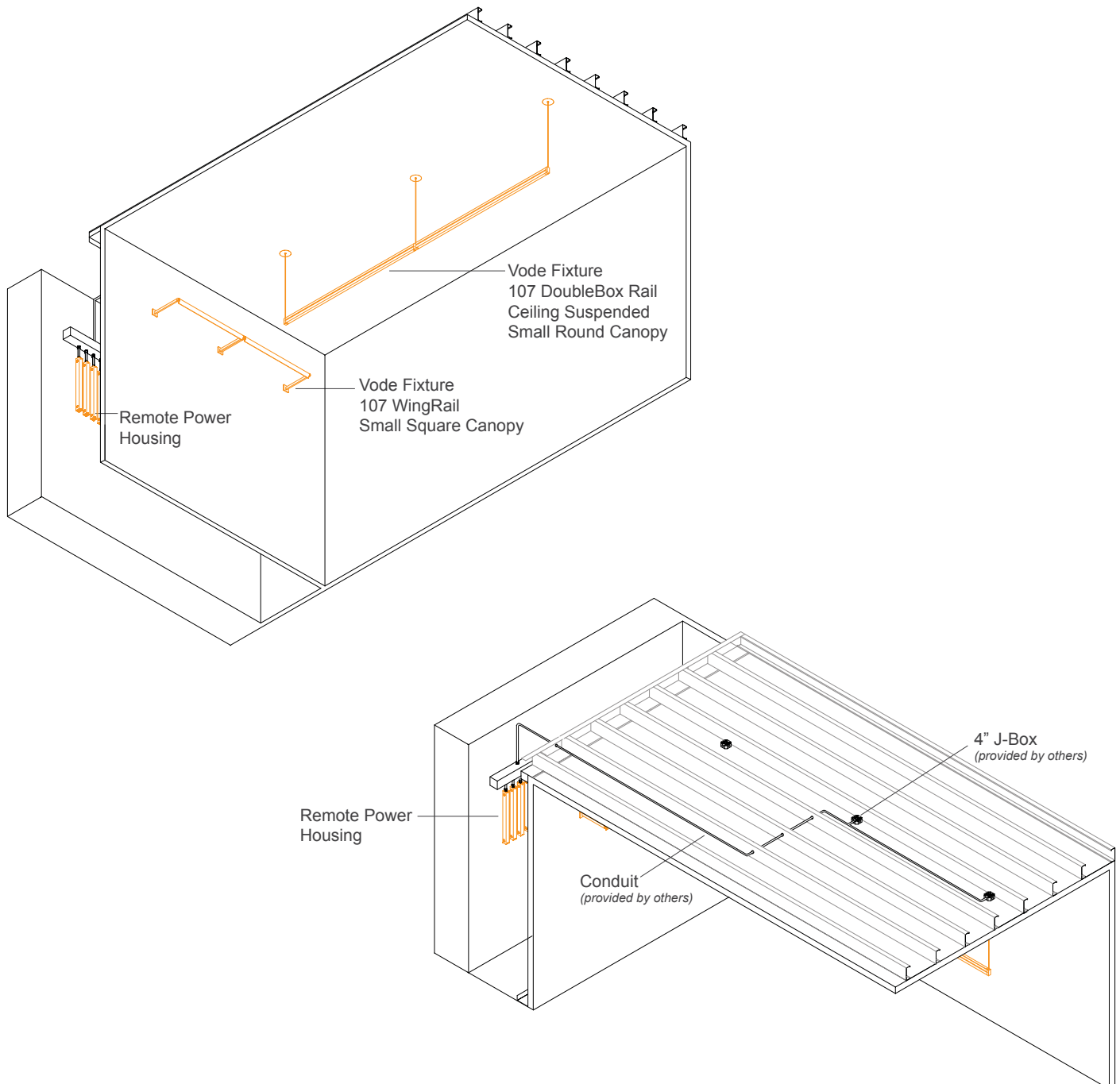
Mounting Remote Power Continued

Suspended Ceiling Integration

Remote Power housing can be installed above ceiling grid to allow for ease of installation, access, and maintenance. Plenum rated wire harness is easily installed to bring power from housing to fixtures without having to use conduit. Check local building code to determine if conduit is required.

Note: Drawings not to scale, for reference only.

Remote Power
Housing

Vode Fixture
707 ZipTwo Rail
T-Bar Clip

Vode Fixture
707 ZipTwo Rail
T-Bar Clip

Suspended Ceiling
(provided by others)

If conduit is required Vode recommends using a slotted J-Box as shown below.

Suspended Ceiling T-Bar
(provided by others)

Slotted J-Box
(provided by others)

Vode Fixture
707 ZipTwo Rail
T-Bar Clip

Plenum Rated Wire Harness
(provided by Vode)

Remote Power
Housing
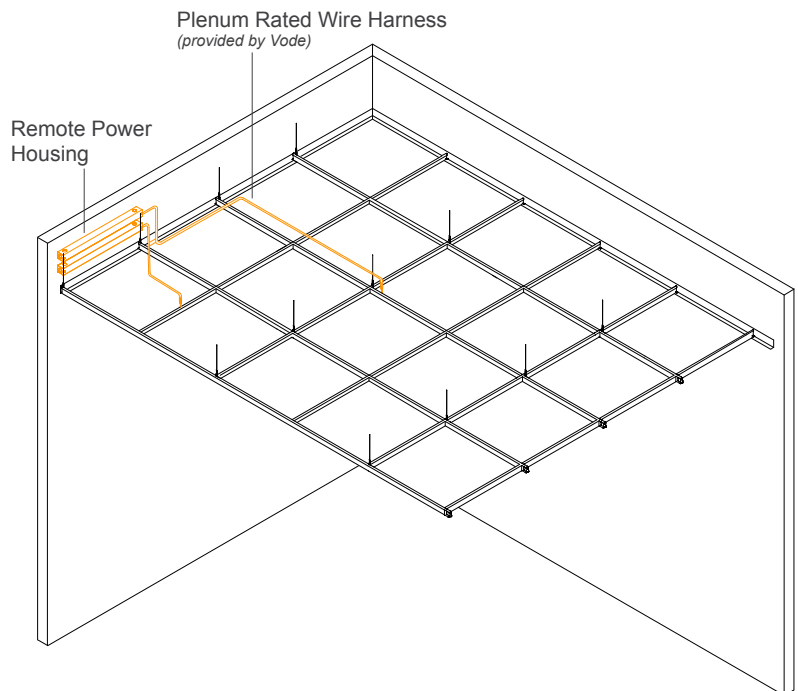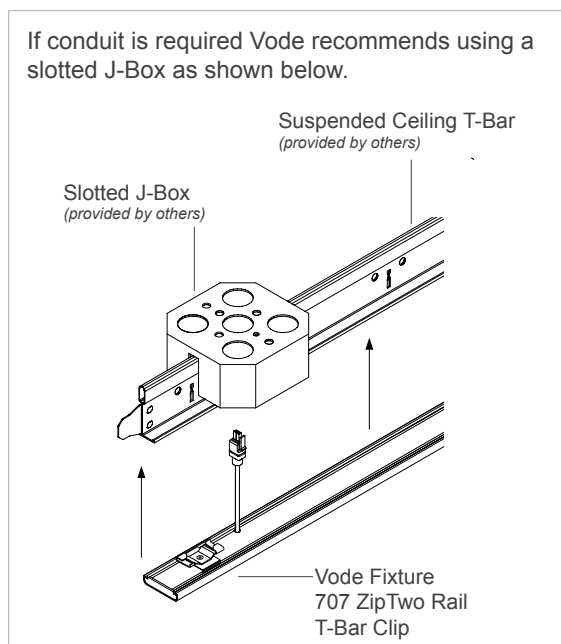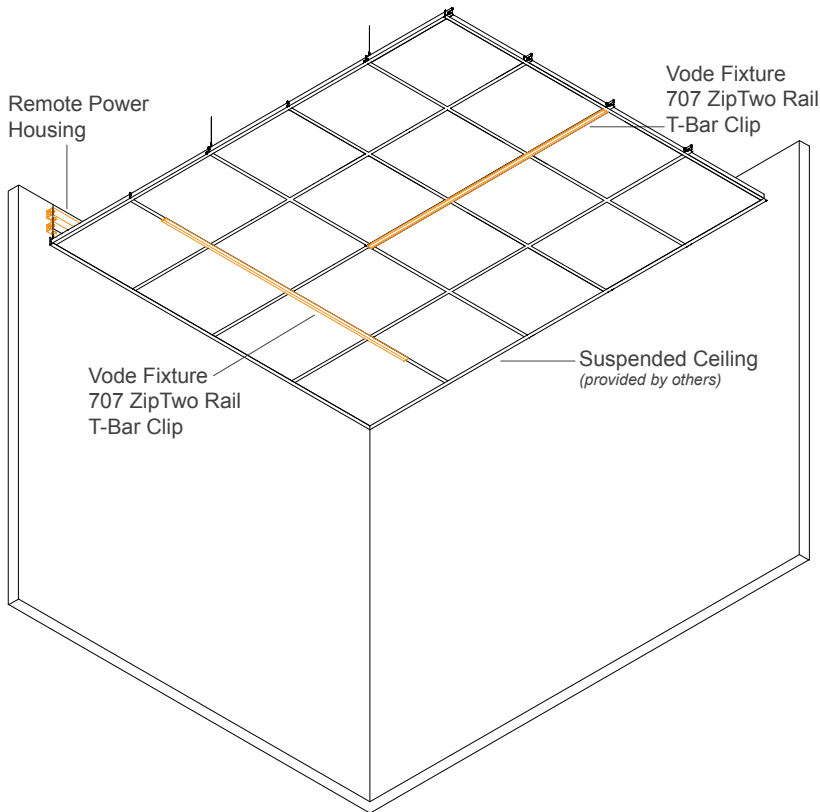
Mounting Remote Power Continued

Hard Surface Integration

J-Box Mounting
Remote power can be installed in a variety of locations when being integrated into a hard surface including mounting directly to the surface.

Note: Drawings not to scale, for reference only.

J-Box & Conduit
(provided by others)
Remote Power Housing

Vode Fixture
107 WingRail
Ceiling Suspended
Large Round Canopy

Vode Fixture
107 DoubleBox Rail
Ceiling Suspended
Large Round Canopy

Hard Surface Ceiling

J-Box & Conduit
(provided by others)
Remote Power Housing

Vode Fixture
107 BoxRail
Ceiling Suspended
Large Round Canopy
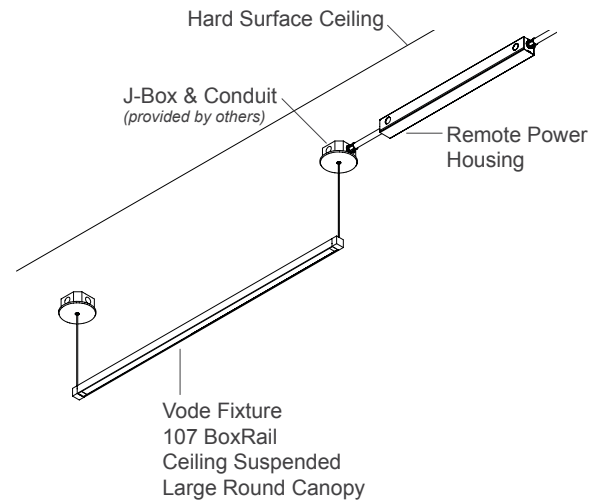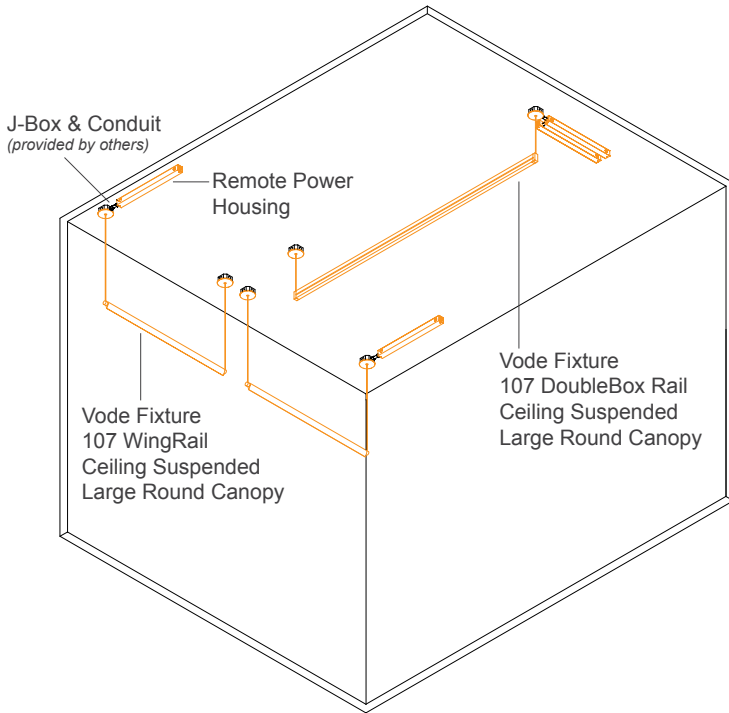
Strut Mounting

Many Vode fixtures and remote power housing can be mounted directly onto strut, as show below.

J-Box & Conduit
(provided by others)

Remote Power Housing

Unistrut
(provided by others)

Vode Fixture
107 DoubleBox Rail
Ceiling Suspended
Large Round Canopy

J-Box & Conduit
(provided by others)

Remote Power Housing

Vode Fixture
107 BoxRail
Ceiling Suspended
Large Round Canopy
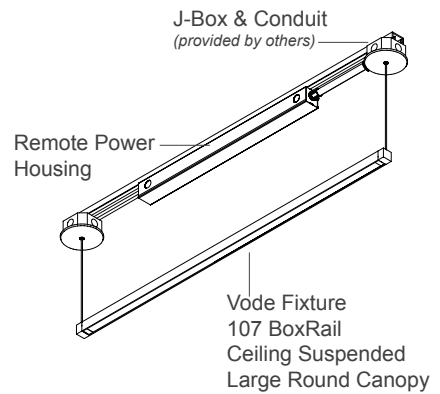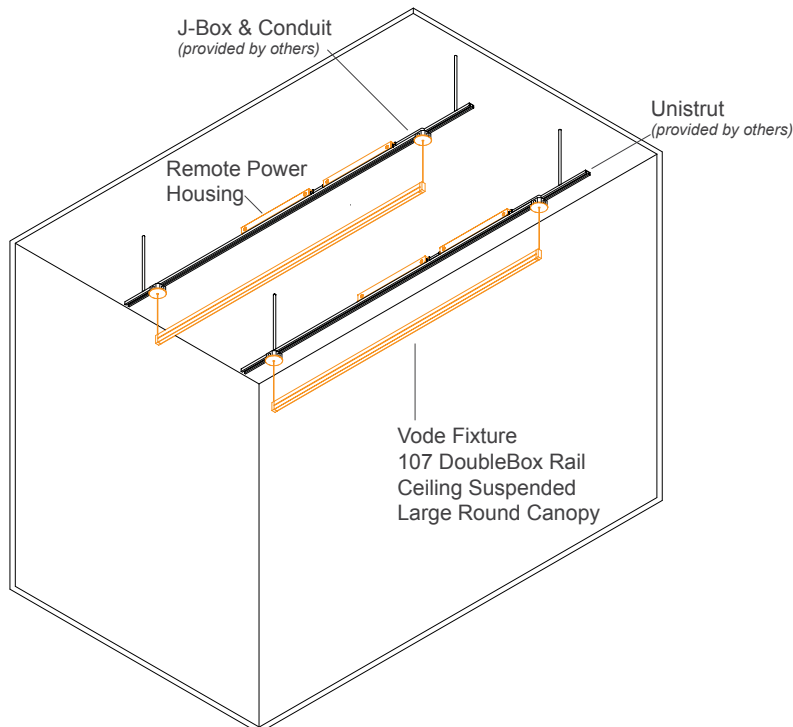
Mounting Remote Power Continued

Furniture System Integration

Remote power allows the power housing to be easily hidden in furniture systems. For Table Arm applications the power can be mounted under the furniture system, as shown below. The example below uses a cord and plug which allows the tables to be re-arranged as needed without having to re-wire the fixtures.

Note: Drawings not to scale, for reference only.

Vode Fixture
107 RaceRail
Table Arm

Conduit
(provided by others)

Arm Anchor

Cord &
Plug

Remote Power
Housing
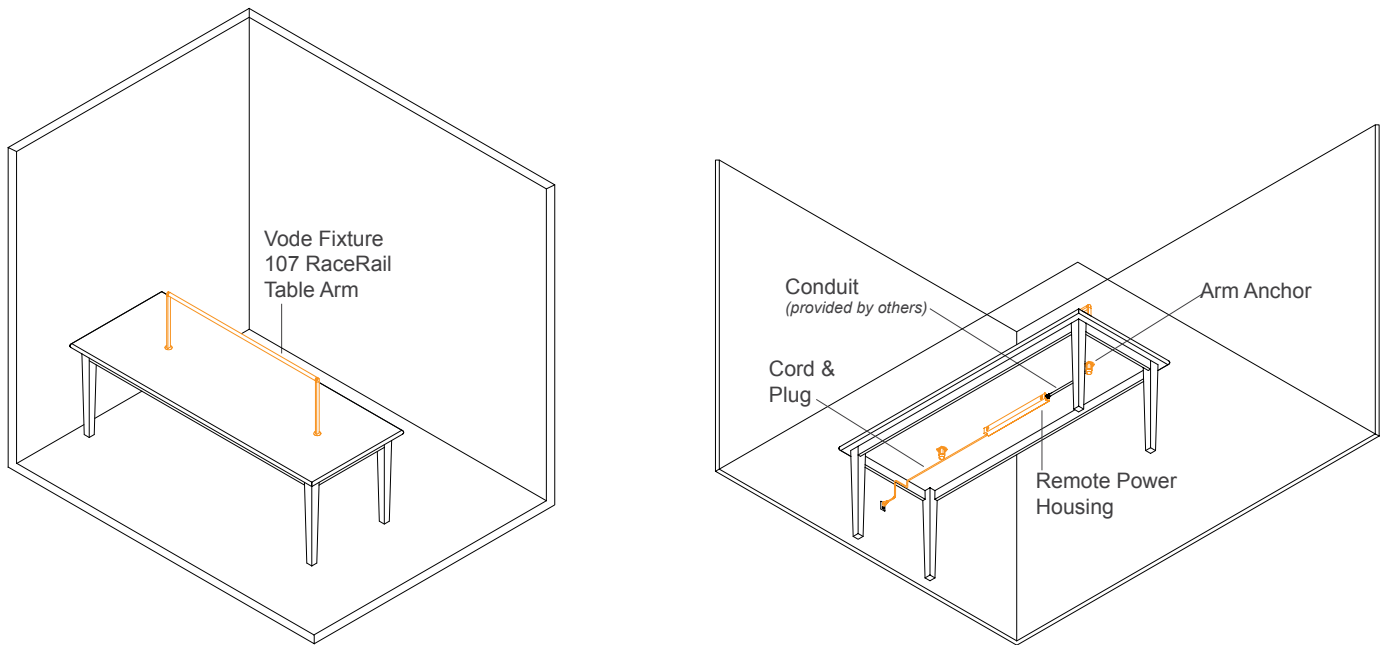
Remote power housing can integrate into library stacks. In the example below the drivers are installed below the stack and Vode's plenum rated wire harness brings power to the fixtures at the top of the stack.

Vode Fixture
707 ZipOne

Plenum Rated
Wire Harness

Remote Power
Housing

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	19W, 24V	12W, 30V	15W, 41V	18W, 49V	24W, 53V
Standard Output	5W, 6V	11W, 15V	17W, 24V	23W, 30V	29W, 41V	35W, 49V	46W, 53V
High Output	9W, 6V	21W, 15V	33W, 24V	45W, 30V	57W, 41V	70W, 49V	92W, 53V

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, 53V
Standard Output	7W, 9V	13W, 18V	19W, 27V	25W, 35V	31W, 44V	37W, 53V	49W, 53V
High Output	10W, 9V	19W, 18V	28W, 27V	37W, 35V	46W, 44V	55W, 53V	73W, 53V

707 | ZipThree® Surface Mount† 707 | ZipThree® Ceiling Cable† 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, 53V
Standard Output	7W, 9V	13W, 18V	19W, 27V	25W, 35V	31W, 44V	37W, 53V	49W, 53V
High Output	10W, 9V	19W, 18V	28W, 27V	37W, 35V	46W, 44V	55W, 53V	73W, 53V

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, 53V	28W, 53V	31W, 53V	34W, 53V	37W, 53V
Standard Output	7W, 9V	13W, 18V	19W, 27V	25W, 35V	31W, 44V	37W, 53V	49W, 53V	55W, 53V	62W, 53V	68W, 53V	74W, 53V
High Output	10W, 9V	19W, 18V	28W, 27V	37W, 35V	46W, 44V	55W, 53V	73W, 53V	N/A	N/A	N/A	N/A

807 | Nexa	24" (610mm)	30" (762mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	90" (2286mm)	96" (2438mm)
Very Low Output	4W, 18V	5W, 21V	6W, 27V	7W, 35V	9W, 44V	11W, 53V	13W, 53V	14W, 53V
Low Output	7W, 18V	8W, 21V	10W, 27V	13W, 35V	16W, 44V	19W, 53V	23W, 53V	25W, 53V
Standard Output	13W, 18V	15W, 21V	19W, 27V	25W, 35V	31W, 44V	37W, 53V	46W, 53V	49W, 53V
High Output	19W, 18V	22W, 21V	28W, 27V	37W, 35V	46W, 44V	55W, 53V	69W, 53V	73W, 53V

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, 53V	31W, 53V	37W, 53V
Low Output (Direct)	7W, 18V	11W, 27V	13W, 35V	16W, 44V	19W, 53V	25W, 53V	31W, 53V	37W, 53V
Standard Output (Indirect)	10W, 15V	16W, 24V	23W, 32V	29W, 41V	35W, 50V	49W, 53V	61W, 53V	73W, 53V
Standard Output (Direct)	12W, 18V	19W, 27V	25W, 35V	31W, 44V	37W, 53V	49W, 53V	61W, 53V	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

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 Button Board™

107 | BoxRail® 107 | WingRail® 907 | BoxRail®		12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
	Standard Output	7W, 6V	14W, 12V	21W, 18V	28W, 24V	35W, 30V	42W, 36V	56W, 48V
	High Output	12W, 6V	24W, 12V	36W, 18V	47W, 24V	59W, 30V	71W, 36V	94W, 48V

AE | eldoLED 0-10v, 1.0% Dimming

0-10v Dimming, what is it?

0-10v dimming is an analog system that uses DC voltage to control the light output levels. This is one of the earliest dimming systems that was adapted from fluorescent fixtures to work with LED technology, and is now one of the simplest and most widely adopted control systems in the US market.

The DC voltage control signal can range between 0-10v. At 0 volts the light fixture is dimmed down to the lowest level allowed by the driver, and at 10 volts the light fixture is at its brightest level. Vode's AE drivers will dim down to 1.0% light output, while AT driver will dim down to 0.1% output.

Driver Compatibility for All Vode Families

Driver compatibility is determined by rail type, output and rail lengths. See the chart below for driver compatibility with your rail section lengths. **Vode provides a 25' wire harness for remote power unless otherwise noted.**

Remote Power
Vode Zipper Board™

● = Supplied as a **Brick** Style Driver
■ = Supplied as a **Stick** Style Driver

107 | BoxRail®
107 | RaceRail®
107 | WingRail®
107 | DoubleBox™
107 | DoubleRace™
707 | ZipThree® Surface Mount
707 | ZipThree® Ceiling Cable
907 | BoxRail®

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Low Output	—	●	●	●	●	●	●
Standard Output	—	●	●	●	●	●	●
High Output	●	●	●	●	●	●	—

707 | ZipOne®

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Low Output	—	●	●	●	●	●	●
Standard Output	—	●	●	●	●	●	●
High Output	●	●	●	●	●	●	●

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	—	●	●	●	●	●	●	●	●	●	●
Standard Output	—	●	●	●	●	●	●	●	●	●	●
High Output	●	●	●	●	●	●	●	—	—	—	—

207 | BoxRail®

	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)	120" (3048mm)	144" (3658mm)
Low Output	●	●	●	●	●	●	●	●
Standard Output	●	●	●	●	●	●	●	●
High Output	●	●	●	●	●	—	—	—

807 | Nexa

	24" (610mm)	30" (762mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	90" (2286mm)	96" (2438mm)
Very Low Output	●	●	●	●	●	●	●	●
Low Output	●	●	●	●	●	●	●	●
Standard Output	●	●	●	●	●	●	●	●
High Output	●	●	●	●	●	●	●	●

Remote Power
Vode Button Board™

107 | BoxRail®
107 | WingRail®
907 | BoxRail®

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Standard Output	●	●	●	●	●	●	●
High Output	—	●	●	●	●	●	■

IMPORTANT: Vode uses a variety of drivers to meet specific requirements of each LED product. Due to differing wattage or voltage of each rail, different drivers may be required in order to properly operate each rail type.

Technical Specifications for eldoLED ECOdrive **361/B** (30W)

See eldoled.com for more information

Dimming Control:	0-10v (isolated)
Dimming Range:	100% to 1.0%
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:	1x (2-55V)
Remote Distance:	Up to 100' (30.5m) from LED source

Driver Wiring Information

2.83" (72 mm)

1.35" (34 mm)

DIM -
DIM +
N
L

LED-
LED+

5.12" (130 mm)

NOTE: Driver not drawn to scale

IMPORTANT: Vode uses a variety of drivers to meet specific requirements of each LED product. Due to differing wattage or voltage of each rail, different drivers may be required in order to properly operate each rail type.

Standard System Driver Specification for eldoLED ECOdrive **361/B** (30W)

NOTE: Driver indicated below is what will be provided for a standard Vode rail. Modified orders could be supplied with an alternate driver. Please contact your Vode representative for more information.

Vode Zipper Board™

107 | BoxRail®
107 | RaceRail®
107 | WingRail®
107 | DoubleBox™
107 | DoubleRace™
707 | ZipThree® Surface Mount
707 | ZipThree® Ceiling Cable
907 | BoxRail®

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Low Output	—	●	●	●	●	●	●
Standard Output	—	●	●	●	●	—	—
High Output	●	●	—	—	—	—	—

707 | ZipOne®

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Low Output	—	●	●	●	●	●	●
Standard Output	—	●	●	●	—	—	—
High Output	●	●	●	—	—	—	—

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	—	●	●	●	●	●	●	●	—	—	—
Standard Output	—	●	●	●	—	—	—	—	—	—	—
High Output	●	●	●	—	—	—	—	—	—	—	—

207 | BoxRail®

	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)	120" (3048mm)	144" (3658mm)
Low Output	●	●	●	●	●	●	—	—
Standard Output	●	●	●	—	—	—	—	—
High Output	●	—	—	—	—	—	—	—

807 | Nexa

	24" (610mm)	30" (762mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	90" (2286mm)	96" (2438mm)
Very Low Output	●	●	●	●	●	●	●	●
Low Output	●	●	●	●	●	●	●	●
Standard Output	●	●	●	—	—	—	—	—
High Output	●	●	●	—	—	—	—	—

Vode Button Board™

107 | BoxRail®
107 | WingRail®
907 | BoxRail®

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Standard Output	●	●	●	●	—	—	—
High Output	—	—	—	—	—	—	—

IMPORTANT: Vode uses a variety of drivers to meet specific requirements of each LED product. Due to differing wattage or voltage of each rail, different drivers may be required in order to properly operate each rail type.

Technical Specifications for eldoLED ECOdrive **561/B** (50W)

See eldoled.com for more information

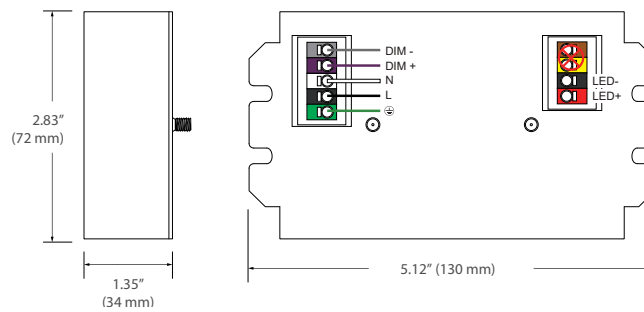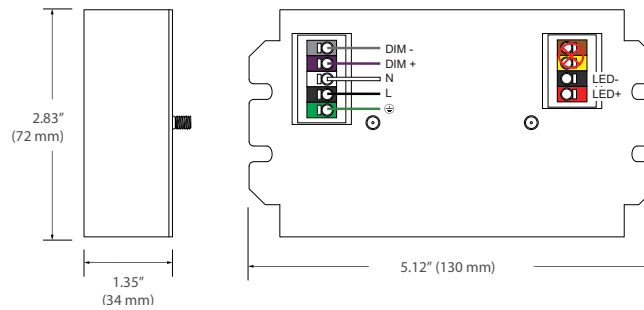|	
Dimming Control:	0-10v (isolated)
Dimming Range:	100% to 1.0%
Dimming Curve:	Driver dimming curve is factory preset to linear. Logarithmic is available upon request
Dimming Type:	Analog, hybrid of constant current reduction (CCR) and pulse width modulation (PWM)
Wattage:	50W
Input Voltage:	Universal 120-277V, 50/60 Hz.
Type:	Constant current, Class 2
Operating Temperature:	-20°C to 45°C (-4°F to 113°F) ≤ 150-900 mA | -20°C to 40°C (-4°F to 104°F) for > 900 mA
LED output current range:	150 - 1,400mA
Output:	1x (2-55V)
Remote Distance:	Up to 100' (30.5m) from LED source

Driver Wiring Information

2.83" (72 mm)

1.35" (34 mm)

DIM -
DIM +
N
L

LED-
LED+

5.12" (130 mm)

NOTE: Driver not drawn to scale

IMPORTANT: Vode uses a variety of drivers to meet specific requirements of each LED product. Due to differing wattage or voltage of each rail, different drivers may be required in order to properly operate each rail type.

Standard System Driver Specification for eldoLED ECOdrive **561/B** (50W)

NOTE: Driver indicated below is what will be provided for a standard Vode rail. Modified orders could be supplied with an alternate driver. Please contact your Vode representative for more information.

Vode Zipper Board™

107 | BoxRail® 107 | RaceRail® 107 | WingRail® 107 | DoubleBox™ 107 | DoubleRace™ 707 | ZipThree® Surface Mount 707 | ZipThree® Ceiling Cable 907 | BoxRail®	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Low Output	—	—	—	—	—	—	—
Standard Output	—	—	—	—	—	●	●
High Output	—	—	●	●	—	—	—

707 | ZipOne®	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Low Output	—	—	—	—	—	—	—
Standard Output	—	—	—	—	●	●	●
High Output	—	—	—	●	●	—	—

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	—	—	—	—	—	—	—	—	●	●	●
Standard Output	—	—	—	—	●	●	●	—	—	—	—
High Output	—	—	—	●	●	—	—	—	—	—	—

207 | BoxRail®	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)	120" (3048mm)	144" (3658mm)
Low Output	—	—	—	—	—	—	●	●
Standard Output	—	—	—	●	●	●	—	—
High Output	—	●	●	—	—	—	—	—

807 | Nexa	24" (610mm)	30" (762mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	90" (2286mm)	96" (2438mm)
Very Low Output	—	—	—	—	—	—	—	—
Low Output	—	—	—	—	—	—	—	—
Standard Output	—	—	—	—	●	●	—	—
High Output	—	—	—	●	●	—	—	—

Vode Button Board™

107 | BoxRail® 107 | WingRail® 907 | BoxRail®	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Standard Output	—	—	—	—	●	●	—
High Output	—	—	—	—	—	—	—

IMPORTANT: Vode uses a variety of drivers to meet specific requirements of each LED product. Due to differing wattage or voltage of each rail, different drivers may be required in order to properly operate each rail type.

Technical Specifications for eldoLED ECOdrive **75B-M1A0A** (75W)   *See eldoled.com for more information*

|	
Dimming Control:	0-10v (isolated)
Dimming Range:	100% to 1.0%
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:	700 - 2,100 mA
Output:	1x (2-55V)
Remote Distance:	Up to 100' (30.5m) from LED source

Driver Wiring Information

2.83"
(72 mm)

1.16"
(29 mm)

N
L
DIM +
DIM -

LED+
LED-

6.87" (174 mm)
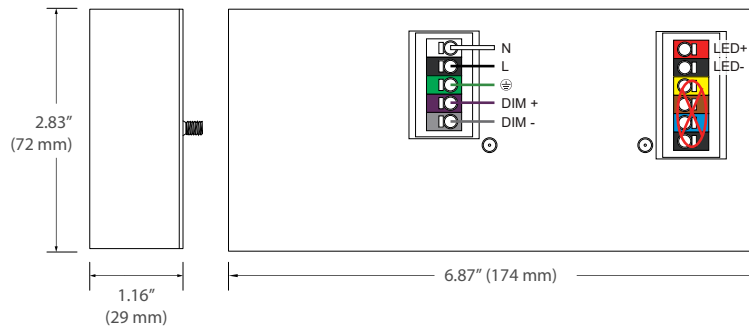
NOTE: Driver not drawn to scale

IMPORTANT: Vode uses a variety of drivers to meet specific requirements of each LED product. Due to differing wattage or voltage of each rail, different drivers may be required in order to properly operate each rail type.

Standard System Driver Specification for eldoLED ECOdrive **75B-M1A0A** (75W)

NOTE: Driver indicated below is what will be provided for a standard Vode rail. Modified orders could be supplied with an alternate driver. Please contact your Vode representative for more information.

Vode Zipper Board™

107 | BoxRail®
107 | RaceRail®
107 | WingRail®
107 | DoubleBox™
107 | DoubleRace™
707 | ZipThree® Surface Mount
707 | ZipThree® Ceiling Cable
907 | BoxRail®

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Low Output	—	—	—	—	—	—	—
Standard Output	—	—	—	—	—	—	—
High Output	—	—	—	—	●	●	—

707 | ZipOne®

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Low Output	—	—	—	—	—	—	—
Standard Output	—	—	—	—	—	—	—
High Output	—	—	—	—	—	●	●

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	—	—	—	—	—	—	—	—	—	—	—
Standard Output	—	—	—	—	—	—	—	●	●	●	●
High Output	—	—	—	—	—	●	●	—	—	—	—

207 | BoxRail®

	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)	120" (3048mm)	144" (3658mm)
Low Output	—	—	—	—	—	—	—	—
Standard Output	—	—	—	—	—	—	●	●
High Output	—	—	—	●	●	—	—	—

807 | Nexa

	24" (610mm)	30" (762mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	90" (2286mm)	96" (2438mm)
Very Low Output	—	—	—	—	—	—	—	—
Low Output	—	—	—	—	—	—	—	—
Standard Output	—	—	—	—	—	—	—	—
High Output	—	—	—	—	—	●	●	●

Vode Button Board™

107 | BoxRail®
107 | WingRail®
907 | BoxRail®

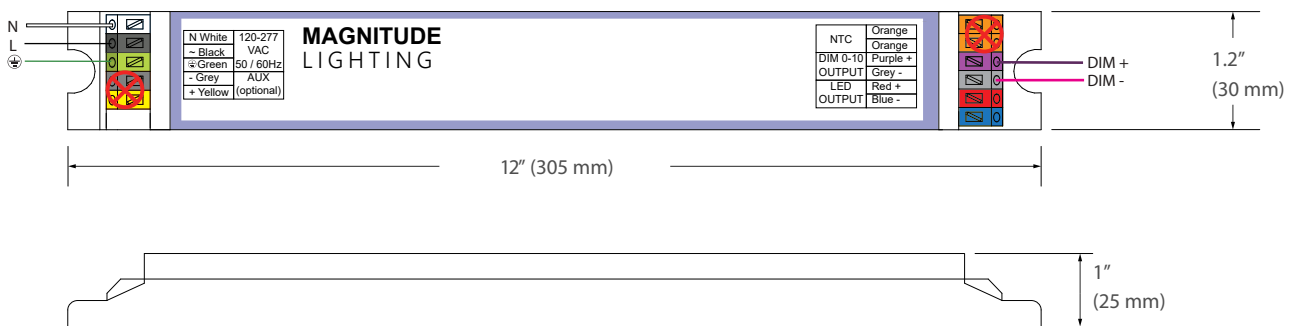|	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Standard Output	—	—	—	—	—	—	●
High Output	—	●	●	●	●	●	—

IMPORTANT: Vode uses a variety of drivers to meet specific requirements of each LED product. Due to differing wattage or voltage of each rail, different drivers may be required in order to properly operate each rail type.

Technical Specifications for Magnitude **AFLEX-100W-1400-L-LF** (100W) *See madnitudeinc.com for more information*

Dimming Control:	0-10v (isolated)
Dimming Range:	100% to 1.0% *(factory programmed from 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:	-40°C to 75°C (-40°F to 167°F)
LED output current range:	100 - 2000mA
Output:	1x (10-57V)
Remote Distance:	Up to 100' (30.5 m) from LED source

Driver Wiring Information

NOTE: Driver not drawn to scale

N
L

N White	120-277
~ Black	VAC
Green	50 / 60Hz
- Grey	AUX
+ Yellow	(optional)

MAGNITUDE LIGHTING

NTC	Orange
	Orange
DIM 0-10	Purple +
OUTPUT	Grey -
LED	Red +
OUTPUT	Blue -

DIM +
DIM -

1.2"
(30 mm)

12" (305 mm)

1"
(25 mm)

Standard System Driver Specification

NOTE: Driver indicated below is what will be provided for a standard Vode rail. Modified orders could be supplied with an alternate driver. Please contact your Vode representative for more information.

Vode Button Board™

		12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
107 | BoxRail® 107 | WingRail® 907 | BoxRail®	Standard Output	—	—	—	—	—	—	●
	High Output	—	—	—	—	—	—	●

Optimized Driver Offerings

Vode offers optimized driver options to allow for the reduction of the number drivers provided per system. Driver requirements can vary depending on system configurations and/or power requirements and will be different than 1 to 1 power offerings.

The below drivers are only supplied with optimized driver system requests. Please request submittal drawings for exact driver specifications supplied with your order.

Technical Specifications for eldoLED SOLOdrive **30U-M2Z0A** (30W)   *See eldoled.com for more information*

Dimming Control:	0-10v (isolated)
Dimming Range:	100% to 1.0% *(factory programmed from 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 1.0% *(factory programmed from 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

1.18"
(30 mm)

12.6" (320 mm)

1.02"
(26 mm)

NOTE: Driver not drawn to scale

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

Dimming Control:	0-10v (isolated)
Dimming Range:	100% to 1.0% *(factory programmed from 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

1.19"
(30 mm)

16.7" (424 mm)

1.06"
(27 mm)

NOTE: Driver not drawn to scale

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

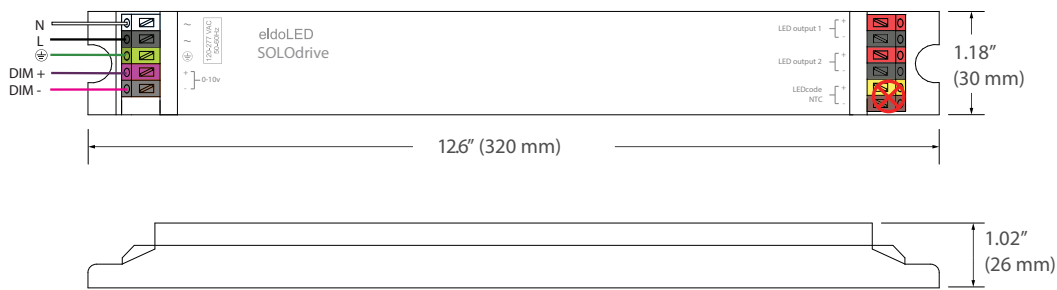|	
Dimming Control:	0-10v (isolated)
Dimming Range:	100% to 1.0%
Dimming Curve:	Driver dimming curve is factory preset to linear. Logarithmic is available upon request
Dimming Type:	Analog, hybrid of constant current reduction (CCR) and pulse width modulation (PWM)
Wattage:	100W {MAX 77W per channel}
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 - 1,400 mA
Output:	2 x (2-55V)
Remote Distance:	Up to 100' (30.5m) from LED source

Driver Wiring Information
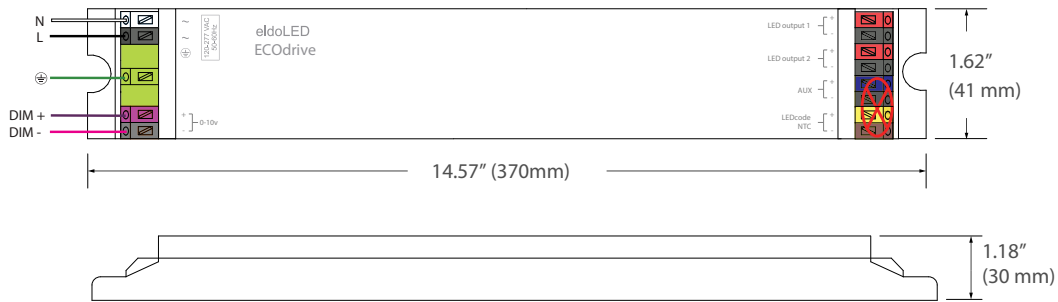
NOTE: Driver not drawn to scale

AT | eldoLED 0-10v, 0.1% Dimming

0-10v Dimming, what is it?

0-10v dimming is an analog system that uses DC voltage to control the light output levels. This is one of the earliest dimming systems that was adapted from fluorescent fixtures to work with LED technology, and is now one of the simplest and most widely adopted control systems in the US market.

The DC voltage control signal can range between 0-10v. At 0 volts the light fixture is dimmed down to the lowest level allowed by the driver, and at 10 volts the light fixture is at its brightest level. Vode's AE drivers will dim down to 1.0% light output, while AT driver will dim down to 0.1% output.

Driver Compatibility for All Vode Families

Driver compatibility is determined by rail type, output and rail lengths. See the chart below for driver compatibility with your rail section lengths. **Vode provides a 25' wire harness for remote power unless otherwise noted.**

Remote Power
Vode Zipper Board™

● = Supplied as a **Brick** Style Driver
■ = Supplied as a **Stick** Style Driver

107 | BoxRail®
107 | RaceRail®
107 | WingRail®
107 | DoubleBox™
107 | DoubleRace™
707 | ZipThree® Surface Mount
707 | ZipThree® Ceiling Cable
907 | BoxRail®

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Low Output	—	●	●	●	●	●	●
Standard Output	—	●	●	●	●	●	●
High Output	●	●	●	●	●	●	—

707 | ZipOne®

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Low Output	—	●	●	●	●	●	●
Standard Output	—	●	●	●	●	●	●
High Output	●	●	●	●	●	●	●

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	—	●	●	●	●	●	●	●	●	●	●
Standard Output	—	●	●	●	●	●	●	●	●	●	●
High Output	●	●	●	●	●	●	●	—	—	—	—

207 | BoxRail®

	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)	120" (3048mm)	144" (3658mm)
Low Output	●	●	●	●	●	●	●	●
Standard Output	●	●	●	●	●	●	●	●
High Output	●	●	●	●	●	—	—	—

807 | Nexa

	24" (610mm)	30" (762mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	90" (2286mm)	96" (2438mm)
Very Low Output	●	●	●	●	●	●	●	●
Low Output	●	●	●	●	●	●	●	●
Standard Output	●	●	●	●	●	●	●	●
High Output	●	●	●	●	●	●	●	●

Remote Power
Vode Button Board™

107 | BoxRail®
107 | WingRail®
907 | BoxRail®

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Standard Output	●	●	●	●	●	●	●
High Output	—	■	■	■	■	■	■

IMPORTANT: Vode uses a variety of drivers to meet specific requirements of each LED product. Due to differing wattage or voltage of each rail, different drivers may be required in order to properly operate each rail type.

Technical Specifications for eldoLED SOLOdrive **361/B** (30W)

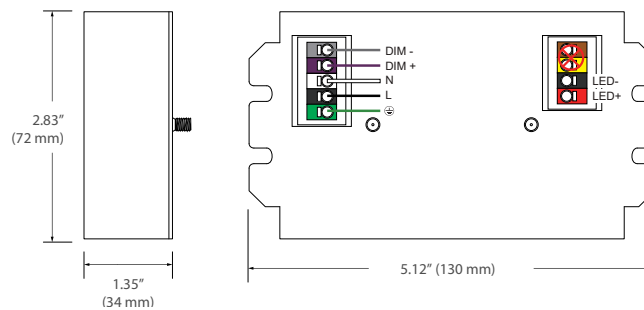|	
Dimming Control:	0-10v (isolated)
Dimming Range:	100% to 0.1%
Dimming Curve:	Driver dimming curve is factory preset to linear. Logarithmic is available upon request
Dimming Type:	Analog, hybrid of constant current reduction (CCR) and pulse width modulation (PWM)
Wattage:	30W
Input Voltage:	Universal 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:	1x (2-55V)
Remote Distance:	Up to 100' (30.5m) from LED source

Driver Wiring Information

2.83" (72 mm)

1.35" (34 mm)

DIM -
DIM +
N
L

LED-
LED+

5.12" (130 mm)

NOTE: Driver not drawn to scale

IMPORTANT: Vode uses a variety of drivers to meet specific requirements of each LED product. Due to differing wattage or voltage of each rail, different drivers may be required in order to properly operate each rail type.

Standard System Driver Specification for eldoLED SOLOdrive **361/B** (30W)

NOTE: Driver indicated below is what will be provided for a standard Vode rail. Modified orders could be supplied with an alternate driver. Please contact your Vode representative for more information.

Vode Zipper Board™

107 | BoxRail®
107 | RaceRail®
107 | WingRail®
107 | DoubleBox™
107 | DoubleRace™
707 | ZipThree® Surface Mount
707 | ZipThree® Ceiling Cable
907 | BoxRail®

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Low Output	—	●	●	●	●	●	●
Standard Output	—	●	●	●	●	—	—
High Output	●	●	—	—	—	—	—

707 | ZipOne®

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Low Output	—	●	●	●	●	●	●
Standard Output	—	●	●	●	—	—	—
High Output	●	●	●	—	—	—	—

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	—	●	●	●	●	●	●	—	—	—	—
Standard Output	—	●	●	●	—	—	—	—	—	—	—
High Output	●	●	●	—	—	—	—	—	—	—	—

207 | BoxRail®

	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)	120" (3048mm)	144" (3658mm)
Low Output	●	●	●	●	●	●	—	—
Standard Output	●	●	●	—	—	—	—	—
High Output	●	—	—	—	—	—	—	—

807 | Nexa

	24" (610mm)	30" (762mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	90" (2286mm)	96" (2438mm)
Very Low Output	●	●	●	●	●	●	●	●
Low Output	●	●	●	●	●	●	●	●
Standard Output	●	●	●	—	—	—	—	—
High Output	●	●	●	—	—	—	—	—

Vode Button Board™

107 | BoxRail®
107 | WingRail®
907 | BoxRail®

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Standard Output	●	●	●	●	—	—	—
High Output	—	—	—	—	—	—	—

IMPORTANT: Vode uses a variety of drivers to meet specific requirements of each LED product. Due to differing wattage or voltage of each rail, different drivers may be required in order to properly operate each rail type.

Technical Specifications for eldoLED SOLOdrive **564/B** (50W)

See eldoled.com for more information

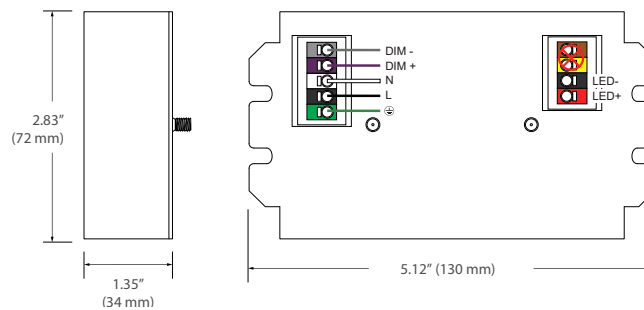|	
Dimming Control:	0-10v (isolated)
Dimming Range:	100% to 0.1%
Dimming Curve:	Driver dimming curve is factory preset to linear. Logarithmic is available upon request
Dimming Type:	Analog, hybrid of constant current reduction (CCR) and pulse width modulation (PWM)
Wattage:	50W
Input Voltage:	Universal 120-277V, 50/60 Hz.
Type:	Constant current, Class 2
Operating Temperature:	-20°C to 45°C (-4°F to 113°F) ≤ 150-900 mA | -20°C to 40°C (-4°F to 104°F) for > 900 mA
LED output current range:	150 - 1,400mA
Output:	1x (1.5-55V)
Remote Distance:	Up to 100' (30.5m) from LED source

Driver Wiring Information

2.83" (72 mm)

1.35" (34 mm)

5.12" (130 mm)

DIM -
DIM +
N
L

LED-
LED+

NOTE: Driver not drawn to scale

IMPORTANT: Vode uses a variety of drivers to meet specific requirements of each LED product. Due to differing wattage or voltage of each rail, different drivers may be required in order to properly operate each rail type.

Standard System Driver Specification for eldoLED SOLOdrive **564/B** (50W)

NOTE: Driver indicated below is what will be provided for a standard Vode rail. Modified orders could be supplied with an alternate driver. Please contact your Vode representative for more information.

Vode Zipper Board™

107 | BoxRail®
107 | RaceRail®
107 | WingRail®
107 | DoubleBox™
107 | DoubleRace™
707 | ZipThree® Surface Mount
707 | ZipThree® Ceiling Cable
907 | BoxRail®

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Low Output	—	—	—	—	—	—	—
Standard Output	—	—	—	—	—	●	●
High Output	—	—	●	●	—	—	—

707 | ZipOne®

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Low Output	—	—	—	—	—	—	—
Standard Output	—	—	—	—	●	●	●
High Output	—	—	—	●	●	—	—

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	—	—	—	—	—	—	—	—	●	●	●
Standard Output	—	—	—	—	●	●	●	—	—	—	—
High Output	—	—	—	●	●	—	—	—	—	—	—

207 | BoxRail®

	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)	120" (3048mm)	144" (3658mm)
Low Output	—	—	—	—	—	—	●	●
Standard Output	—	—	—	●	●	●	—	—
High Output	—	●	●	—	—	—	—	—

807 | Nexa

	24" (610mm)	30" (762mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	90" (2286mm)	96" (2438mm)
Very Low Output	—	—	—	—	—	—	—	—
Low Output	—	—	—	—	—	—	—	—
Standard Output	—	—	—	—	●	●	—	—
High Output	—	—	—	●	●	—	—	—

Vode Button Board™

107 | BoxRail®
107 | WingRail®
907 | BoxRail®

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Standard Output	—	—	—	—	●	●	—
High Output	—	—	—	—	—	—	—

IMPORTANT: Vode uses a variety of drivers to meet specific requirements of each LED product. Due to differing wattage or voltage of each rail, different drivers may be required in order to properly operate each rail type.

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

See eldoled.com for more information

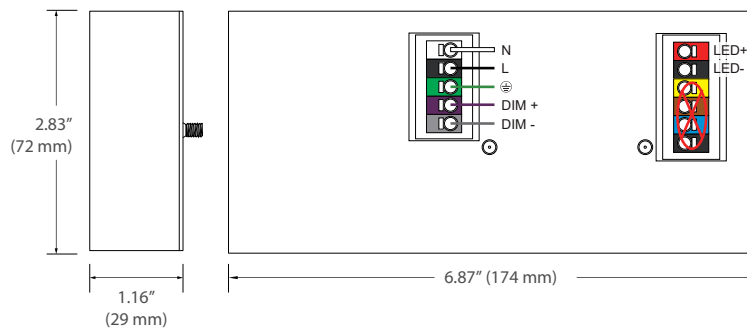|	
Dimming Control:	0-10v (isolated)
Dimming Range:	100% to 0.1%
Dimming Curve:	Driver dimming curve is factory preset to linear. Logarithmic is available upon request
Dimming Type:	Analog, hybrid of constant current reduction (CCR) and pulse width modulation (PWM)
Wattage:	75W
Input Voltage:	Universal 120-277V, 60 Hz.
Type:	Constant current, Class 2
Operating Temperature:	-20°C to 50°C (-4°F to 122°F)
LED output current range:	150 - 1400 mA
Output:	2x (2-55V)
Remote Distance:	Up to 100' (30.5m) from LED source

Driver Wiring Information

2.83" (72 mm)

1.16" (29 mm)

6.87" (174 mm)

N
L
DIM +
DIM -

LED+
LED-

NOTE: Driver not drawn to scale

IMPORTANT: Vode uses a variety of drivers to meet specific requirements of each LED product. Due to differing wattage or voltage of each rail, different drivers may be required in order to properly operate each rail type.

Standard System Driver Specification for eldoLED SOLOdrive **75B-M2A0A** (75W)

NOTE: Driver indicated below is what will be provided for a standard Vode rail. Modified orders could be supplied with an alternate driver. Please contact your Vode representative for more information.

Vode Zipper Board™

107 | BoxRail® 107 | RaceRail® 107 | WingRail® 107 | DoubleBox™ 107 | DoubleRace™ 707 | ZipThree® Surface Mount 707 | ZipThree® Ceiling Cable 907 | BoxRail®		12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
	Low Output	—	—	—	—	—	—	—
	Standard Output	—	—	—	—	—	—	—
	High Output	—	—	—	—	●	●	—

707 | ZipOne®		12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
	Low Output	—	—	—	—	—	—	—
	Standard Output	—	—	—	—	—	—	—
	High Output	—	—	—	—	—	●	●

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	—	—	—	—	—	—	—	—	—	—	—
Standard Output	—	—	—	—	—	—	—	●	●	●	●
High Output	—	—	—	—	—	●	●	—	—	—	—

207 | BoxRail®		24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)	120" (3048mm)	144" (3658mm)
	Low Output	—	—	—	—	—	—	—	—
	Standard Output	—	—	—	—	—	—	●	●
	High Output	—	—	—	●	●	—	—	—

807 | Nexa		24" (610mm)	30" (762mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	90" (2286mm)	96" (2438mm)
	Very Low Output	—	—	—	—	—	—	—	—
	Low Output	—	—	—	—	—	—	—	—
	Standard Output	—	—	—	—	—	—	—	—
	High Output	—	—	—	—	—	●	●	●

Vode Button Board™

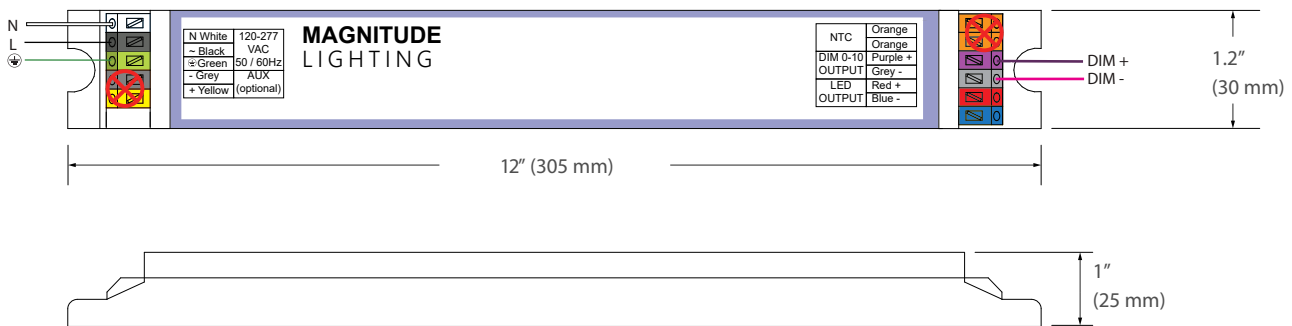| 107 | BoxRail® 107 | WingRail® 907 | BoxRail®		12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
	Standard Output	—	—	—	—	—	—	●
	High Output	—	—	—	—	—	—	—

IMPORTANT: Vode uses a variety of drivers to meet specific requirements of each LED product. Due to differing wattage or voltage of each rail, different drivers may be required in order to properly operate each rail type.

Technical Specifications for Magnitude **AFLEX-100W-1850-L-LC** (100W) *See magnitudeinc.com for more information*

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:	-40°C to 75°C (-40°F to 167°F)
LED output current range:	100 - 2000mA
Output:	1x (3-50V)
Remote Distance:	Up to 100' (30.5m) from LED source

Driver Wiring Information

NOTE: Driver not drawn to scale

Standard System Driver Specification

NOTE: Driver indicated below is what will be provided for a standard Vode rail. Modified orders could be supplied with an alternate driver. Please contact your Vode representative for more information.

Vode Button Board™

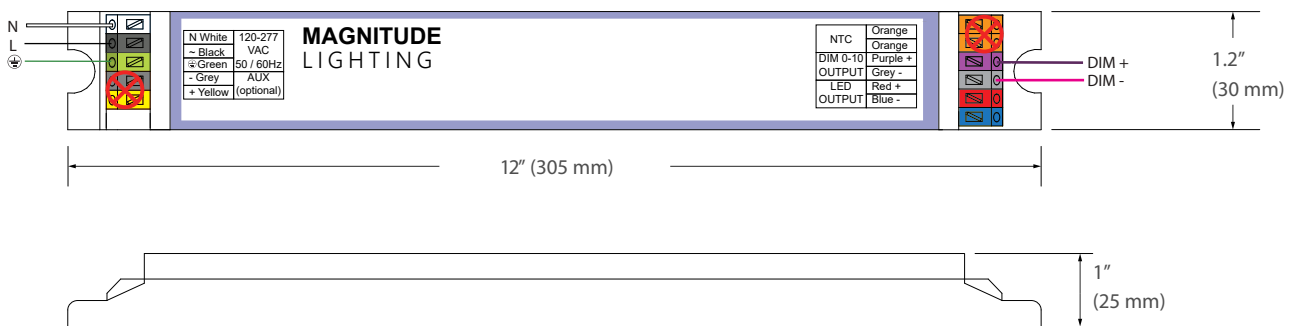| 107 | BoxRail® 107 | WingRail® 907 | BoxRail®		12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
	Standard Output	—	—	—	—	—	—	—
	High Output	—	■	■	■	■	■	—

IMPORTANT: Vode uses a variety of drivers to meet specific requirements of each LED product. Due to differing wattage or voltage of each rail, different drivers may be required in order to properly operate each rail type.

Technical Specifications for Magnitude **AFLEX-100W-1400-L-LF** (100W) *See madnitudeinc.com for more information*

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:	-40°C to 75°C (-40°F to 167°F)
LED output current range:	100 - 2000mA
Output:	1x (10-57V)
Remote Distance:	Up to 100' (30.5 m) from LED source

Driver Wiring Information

NOTE: Driver not drawn to scale

Standard System Driver Specification

NOTE: Driver indicated below is what will be provided for a standard Vode rail. Modified orders could be supplied with an alternate driver. Please contact your Vode representative for more information.

Vode Button Board™

107 | BoxRail® 107 | WingRail® 907 | BoxRail®		12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
	Standard Output	—	—	—	—	—	—	—
	High Output	—	—	—	—	—	—	🟧

Optimized Driver Offerings

Vode offers optimized driver options to allow for the reduction of the number drivers provided per system. Driver requirements can vary depending on system configurations and/or power requirements and will be different than 1 to 1 power offerings.

The below drivers are only supplied with optimized driver system requests. Please request submittal drawings for exact driver specifications supplied with your order.

Technical Specifications for eldoLED SOLOdrive **30U-M2Z0A** (30W)   *See eldoled.com for more information*

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 **1061/M** (100W)

Dimming Control: 0-10v (isolated)

Dimming Range: 100% to 0.1%

Dimming Curve: Driver dimming curve is factory preset to linear. Logarithmic 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.
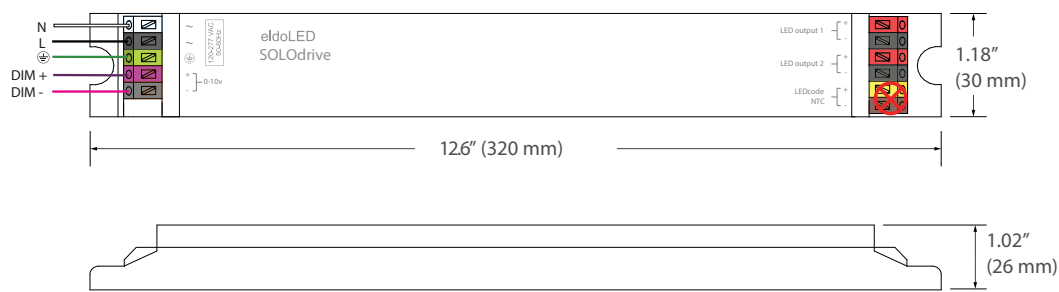
Type: Constant current, Class 2

Operating Temperature: -40°C to 50°C (-40°F to 122°F)
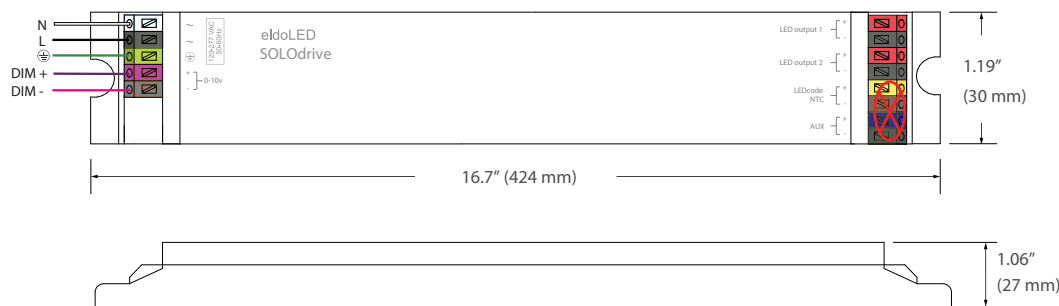
LED output current range: 200 - 1,050mA

Output: 4 x (2-57V)

Remote Distance: Up to 100' (30.5m) from LED source

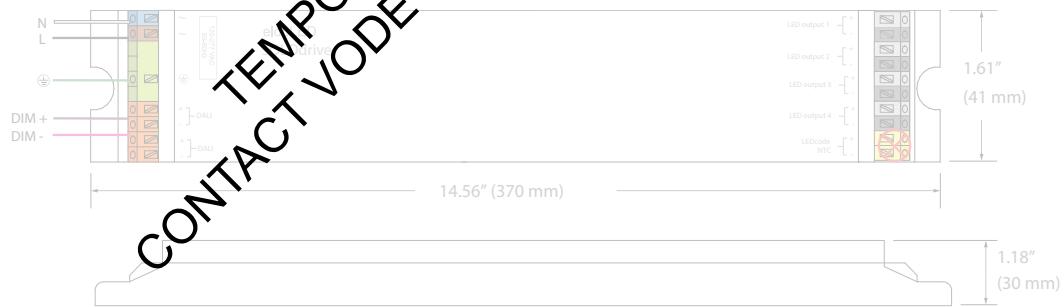## Driver Wiring Information

TEMPORARILY UNAVAILABLE.
CONTACT VODE FOR CURRENT OFFERINGS

N
L

DIM +
DIM -

LED output 1
LED output 2
LED output 3
LED output 4
LEDcode
NTC

1.61"
(41 mm)

14.56" (370 mm)

1.18"
(30 mm)

NOTE: Driver not drawn to scale

AD | eldoLED DALI, 0.1% Dimming

DALI Dimming, what is it?

DALI, or Digital Addressable Lighting Interface, is a low voltage dimming system that enables two-way communication between the controller and LED driver. Once the hardware has been installed, the system can be commissioned and addresses can be assigned. Devices are addressed independently or grouped depending on the type of control desired for a space. Digital lighting control allows for greater flexibility of a lighting system and its controls integration.

A global standard for DALI originated in Europe and has been adopted to the US market. The DALI standard is an open protocol, non-proprietary control system that allows for interoperability between manufacturers devices.

Driver Compatibility for All Vode Families

Driver compatibility is determined by rail type, output and rail lengths. See the chart below for driver compatibility with your rail section lengths. **Vode provides a 25' wire harness for remote power unless otherwise noted.**

Remote Power
Vode Zipper Board™

● = Supplied as a **Brick** Style Driver
🟧 = Supplied as a **Stick** Style Driver

107 | BoxRail®
107 | RaceRail®
107 | WingRail®
107 | DoubleBox™
107 | DoubleRace™
707 | ZipThree® Surface Mount
707 | ZipThree® Ceiling Cable
907 | BoxRail®

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Low Output	—	●	●	●	●	●	●
Standard Output	—	●	●	●	●	●	●
High Output	●	●	●	●	●	●	—

707 | ZipOne®

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Low Output	—	●	●	●	●	●	●
Standard Output	—	●	●	●	●	●	●
High Output	●	●	●	●	●	●	●

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	—	●	●	●	●	●	●	●	●	●	●
Standard Output	—	●	●	●	●	●	●	●	●	●	●
High Output	●	●	●	●	●	●	●	—	—	—	—

207 | BoxRail®

	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)	120" (3048mm)	144" (3658mm)
Low Output	●	●	●	●	●	●	●	●
Standard Output	●	●	●	●	●	●	●	●
High Output	●	●	●	●	●	—	—	—

807 | Nexa

	24" (610mm)	30" (762mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	90" (2286mm)	96" (2438mm)
Very Low Output	●	●	●	●	●	●	●	●
Low Output	●	●	●	●	●	●	●	●
Standard Output	●	●	●	●	●	●	●	●
High Output	●	●	●	●	●	●	●	●

Remote Power
Vode Button Board™

107 | BoxRail®
107 | WingRail®
907 | BoxRail®

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Standard Output	●	●	●	●	●	●	●
High Output	—	—	—	—	—	—	—

IMPORTANT: Vode uses a variety of drivers to meet specific requirements of each LED product. Due to differing wattage or voltage of each rail, different drivers may be required in order to properly operate each rail type.

Technical Specifications for eldoLED SOLOdrive **360/B** (30W)

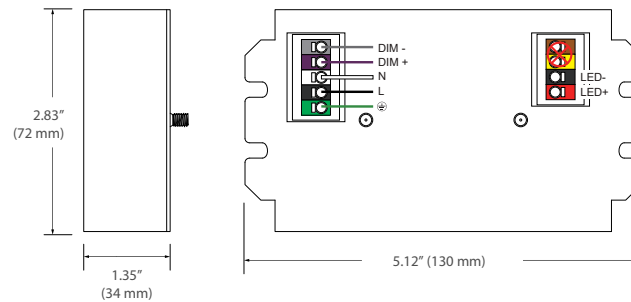|	
Dimming Control:	Digital Addressable Lighting Interface (DALI-2)
Dimming Range:	100% to 0.1%
Dimming Curve:	Driver dimming curve is factory preset to linear. Logarithmic is available upon request
Dimming Type:	Analog, hybrid of constant current reduction (CCR) and pulse width modulation (PWM)
Wattage:	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:	1x (2-55V)
Remote Distance:	Up to 100' (30.5m) from LED source

Driver Wiring Information

2.83"
(72 mm)

1.35"
(34 mm)

DIM -
DIM +
N
L

LED-
LED+

5.12" (130 mm)

NOTE: Driver not drawn to scale

IMPORTANT: Vode uses a variety of drivers to meet specific requirements of each LED product. Due to differing wattage or voltage of each rail, different drivers may be required in order to properly operate each rail type.

Standard System Driver Specification for eldoLED SOLOdrive **360/B** (30W)

NOTE: Driver indicated below is what will be provided for a standard Vode rail. Modified orders could be supplied with an alternate driver. Please contact your Vode representative for more information.

Vode Zipper Board™

107 | BoxRail®
107 | RaceRail®
107 | WingRail®
107 | DoubleBox™
107 | DoubleRace™
707 | ZipThree® Surface Mount
707 | ZipThree® Ceiling Cable
907 | BoxRail®

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Low Output	—	●	●	●	●	●	●
Standard Output	—	●	●	●	●	—	—
High Output	●	●	—	—	—	—	—

707 | ZipOne®

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Low Output	—	●	●	●	●	●	●
Standard Output	—	●	●	●	—	—	—
High Output	●	●	●	—	—	—	—

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	—	●	●	●	●	●	●	●	—	—	—
Standard Output	—	●	●	●	—	—	—	—	—	—	—
High Output	●	●	●	—	—	—	—	—	—	—	—

207 | BoxRail®

	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)	120" (3048mm)	144" (3658mm)
Low Output	●	●	●	●	●	●	—	—
Standard Output	●	●	●	—	—	—	—	—
High Output	●	—	—	—	—	—	—	—

807 | Nexa

	24" (610mm)	30" (762mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	90" (2286mm)	96" (2438mm)
Very Low Output	●	●	●	●	●	●	●	●
Low Output	●	●	●	●	●	●	●	●
Standard Output	●	●	●	—	—	—	—	—
High Output	●	●	●	—	—	—	—	—

Vode Button Board™

107 | BoxRail®
107 | WingRail®
907 | BoxRail®

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Standard Output	●	●	●	●	—	—	—
High Output	—	—	—	—	—	—	—

IMPORTANT: Vode uses a variety of drivers to meet specific requirements of each LED product. Due to differing wattage or voltage of each rail, different drivers may be required in order to properly operate each rail type.

Technical Specifications for eldoLED SOLOdrive **563/B** (50W)

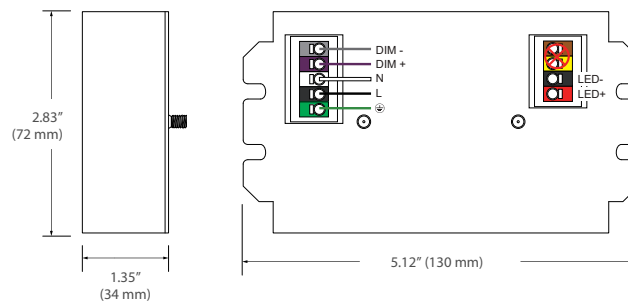|	
Dimming Control:	Digital Addressable Lighting Interface (DALI-2)
Dimming Range:	100% to 0.1%
Dimming Curve:	Driver dimming curve is factory preset to linear. Logarithmic is available upon request
Dimming Type:	Analog, hybrid of constant current reduction (CCR) and pulse width modulation (PWM)
Wattage:	50W
Input Voltage:	Universal 120-277V, 50/60 Hz.
Type:	Constant current, Class 2
Operating Temperature:	-20°C to 45°C (-4°F to 113°F) ≤ 150-900 mA | -20°C to 40°C (-4°F to 104°F) for > 900 mA
LED output current range:	150 - 1,400mA
Output:	1x (1.5-55V)
Remote Distance:	Up to 100' (30.5m) from LED source

Driver Wiring Information

DIM -
DIM +
N
L

LED-
LED+

2.83″
(72 mm)

1.35″
(34 mm)

5.12″ (130 mm)

NOTE: Driver not drawn to scale

IMPORTANT: Vode uses a variety of drivers to meet specific requirements of each LED product. Due to differing wattage or voltage of each rail, different drivers may be required in order to properly operate each rail type.

Standard System Driver Specification for eldoLED SOLOdrive **563/B** (50W)

NOTE: Driver indicated below is what will be provided for a standard Vode rail. Modified orders could be supplied with an alternate driver. Please contact your Vode representative for more information.

Vode Zipper Board™

107 | BoxRail®
107 | RaceRail®
107 | WingRail®
107 | DoubleBox™
107 | DoubleRace™
707 | ZipThree® Surface Mount
707 | ZipThree® Ceiling Cable
907 | BoxRail®

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Low Output	—	—	—	—	—	—	—
Standard Output	—	—	—	—	—	●	●
High Output	—	—	●	●	—	—	—

707 | ZipOne®

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Low Output	—	—	—	—	—	—	—
Standard Output	—	—	—	—	●	●	●
High Output	—	—	—	●	●	—	—

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	—	—	—	—	—	—	—	—	●	●	●
Standard Output	—	—	—	—	●	●	●	—	—	—	—
High Output	—	—	—	●	●	—	—	—	—	—	—

207 | BoxRail®

	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)	120" (3048mm)	144" (3658mm)
Low Output	—	—	—	—	—	—	●	●
Standard Output	—	—	—	●	●	●	—	—
High Output	—	●	●	—	—	—	—	—

807 | Nexa

	24" (610mm)	30" (762mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	90" (2286mm)	96" (2438mm)
Very Low Output	—	—	—	—	—	—	—	—
Low Output	—	—	—	—	—	—	—	—
Standard Output	—	—	—	—	●	●	—	—
High Output	—	—	—	●	●	—	—	—

Vode Button Board™

107 | BoxRail®
107 | WingRail®
907 | BoxRail®

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Standard Output	—	—	—	—	●	●	—
High Output	—	—	—	—	—	—	—

IMPORTANT: Vode uses a variety of drivers to meet specific requirements of each LED product. Due to differing wattage or voltage of each rail, different drivers may be required in order to properly operate each rail type.

Technical Specifications for eldoLED SOLOdrive **75B-M2A0D** (75W)

See eldoled.com for more information

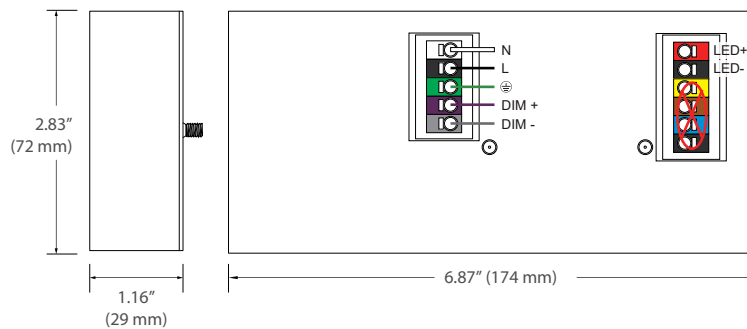|	
Dimming Control:	Digital Addressable Lighting Interface (DALI-2)
Dimming Range:	100% to 0.1%
Dimming Curve:	Driver dimming curve is factory preset to linear. Logarithmic is available upon request
Dimming Type:	Analog, hybrid of constant current reduction (CCR) and pulse width modulation (PWM)
Wattage:	75W
Input Voltage:	Universal 120-277V, 60 Hz.
Type:	Constant current, Class 2
Operating Temperature:	-20°C to 50°C (-4°F to 122°F)
LED output current range:	150 - 1400 mA
Output:	2x (2-55V)
Remote Distance:	Up to 100' (30.5m) from LED source

Driver Wiring Information

2.83"
(72 mm)

1.16"
(29 mm)

N
L
⏚
DIM +
DIM -

LED+
LED-

6.87" (174 mm)

NOTE: Driver not drawn to scale

IMPORTANT: Vode uses a variety of drivers to meet specific requirements of each LED product. Due to differing wattage or voltage of each rail, different drivers may be required in order to properly operate each rail type.

Standard System Driver Specification for eldoLED SOLOdrive **75B-M2A0D** (75W)

NOTE: Driver indicated below is what will be provided for a standard Vode rail. Modified orders could be supplied with an alternate driver. Please contact your Vode representative for more information.

Vode Zipper Board™

107 | BoxRail® 107 | RaceRail® 107 | WingRail® 107 | DoubleBox™ 107 | DoubleRace™ 707 | ZipThree® Surface Mount 707 | ZipThree® Ceiling Cable 907 | BoxRail®	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Low Output	—	—	—	—	—	—	—
Standard Output	—	—	—	—	—	—	—
High Output	—	—	—	—	●	●	—

707 | ZipOne®	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Low Output	—	—	—	—	—	—	—
Standard Output	—	—	—	—	—	—	—
High Output	—	—	—	—	—	●	●

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	—	—	—	—	—	—	—	—	—	—	—
Standard Output	—	—	—	—	—	—	—	●	●	●	●
High Output	—	—	—	—	—	●	●	—	—	—	—

207 | BoxRail®	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)	120" (3048mm)	144" (3658mm)
Low Output	—	—	—	—	—	—	—	—
Standard Output	—	—	—	—	—	—	●	●
High Output	—	—	—	●	●	—	—	—

807 | Nexa	24" (610mm)	30" (762mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	90" (2286mm)	96" (2438mm)
Very Low Output	—	—	—	—	—	—	—	—
Low Output	—	—	—	—	—	—	—	—
Standard Output	—	—	—	—	—	—	—	—
High Output	—	—	—	—	—	●	●	●

Vode Button Board™

107 | BoxRail® 107 | WingRail® 907 | BoxRail®	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Standard Output	—	—	—	—	—	—	●
High Output	—	—	—	—	—	—	—

Optimized Driver Offerings

Vode offers optimized driver options to allow for the reduction of the number drivers provided per system. Driver requirements can vary depending on system configurations and/or power requirements and will be different than 1 to 1 power offerings.

The below drivers are only supplied with optimized driver system requests. Please request submittal drawings for exact driver specifications supplied with your order.

Technical Specifications for eldoLED SOLOdrive **30U-M2Z0D** (30W)   *See eldoled.com for more information*

Dimming Control:	Digital Addressable Lighting Interface (DALI-2)
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)

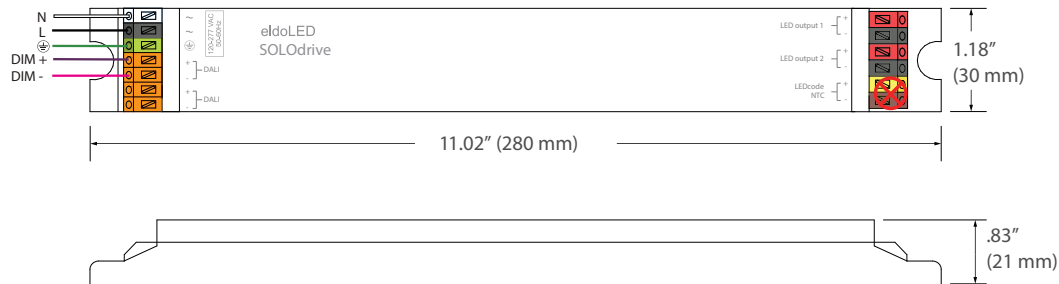|	
Dimming Control:	Digital Addressable Lighting Interface (DALI-2)
Dimming Range:	100% to 0.1%
Dimming Curve:	Driver dimming curve is factory preset to linear. Logarithmic is available upon request
Dimming Type:	Analog, hybrid of constant current reduction (CCR) and pulse width modulation (PWM)
Wattage:	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 **760/L** (75W)

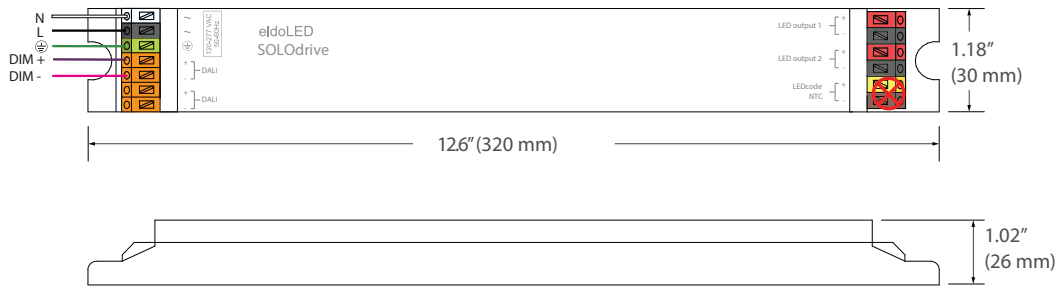|	
Dimming Control:	Digital Addressable Lighting Interface (DALI-2)
Dimming Range:	100% to 0.1%
Dimming Curve:	Driver dimming curve is factory preset to linear. Logarithmic is available upon request
Dimming Type:	Analog, hybrid of constant current reduction (CCR) and pulse width modulation (PWM)
Wattage:	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
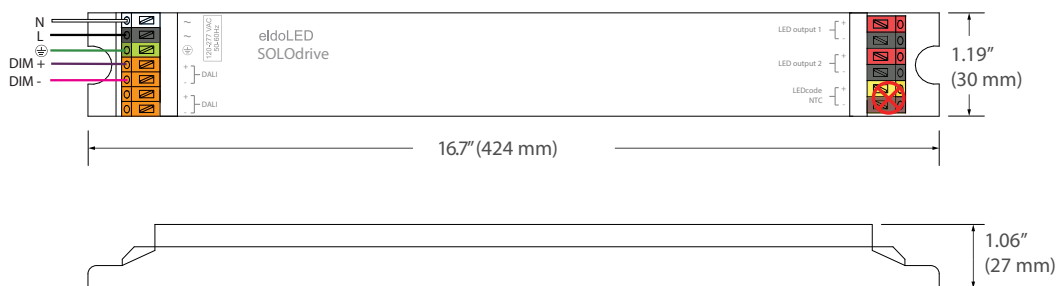
NOTE: Driver not drawn to scale

Technical Specifications for eldoLED SOLOdrive **1060/M** (100W)

See eldoled.com for more information

Dimming Control: Digital Addressable Lighting Interface (DALI-1)

Dimming Range: 100% to 0.1%

Dimming Curve: Driver dimming curve is factory preset to linear. Logarithmic 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: -40°C to 50°C (-40°F to 122°F)

LED output current range: 200 - 1,050mA

Output: 4 x (2-57V)

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)

See eldoled.com for more information

Dimming Control: Digital Addressable Lighting Interface (DALI-2)

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)

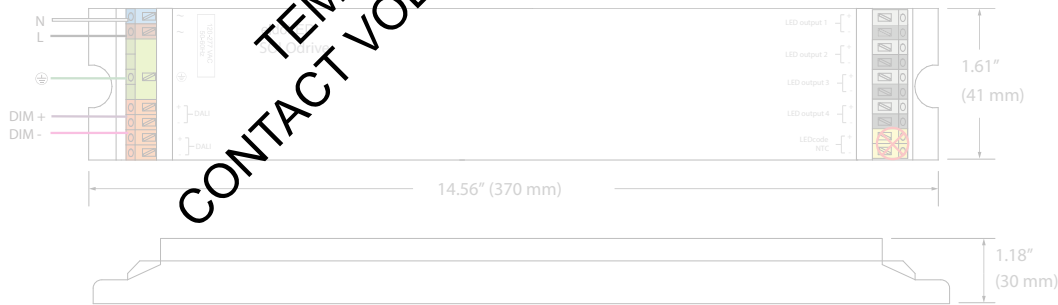Remote Distance: Up to 100' (30.5m) from LED source

Driver Wiring Information

NOTE: Driver not drawn to scale

AX | eldoLED DMX, 100-0.1% Dimming

DMX Dimming, what is it?

DMX stands for Digital Multiplex Signal. This is a standard protocol for digital communication in a lighting system and is often used for dynamic color changing LED applications in architectural lighting. Similar to DALI, devices can be assigned addresses and controlled, but DMX can control a larger range of addresses and devices outside of lighting fixtures as well. The system requires dedicated cabling between the controller and the driver and specialized knowledge for commissioning, but it is a highly customizable control system and well suited for sophisticated lighting applications.

Driver Compatibility for All Vode Families

Driver compatibility is determined by rail type, output and rail lengths. See the chart below for driver compatibility with your rail section lengths. **Vode provides a 25' wire harness for remote power unless otherwise noted.**

Remote Power
Vode Zipper Board™

● = Supplied as a **Brick** Style Driver
■ = Supplied as a **Stick** Style Driver

107 | BoxRail®
107 | RaceRail®
107 | WingRail®
107 | DoubleBox™
107 | DoubleRace™
707 | ZipThree® Surface Mount
707 | ZipThree® Ceiling Cable
907 | BoxRail®

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Low Output	—	■	■	■	■	■	■
Standard Output	—	■	■	■	■	■	■
High Output	—	—	—	—	—	—	—

707 | ZipOne®

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Low Output	—	—	■	■	■	■	■
Standard Output	—	■	■	■	■	■	■
High Output	■	■	■	■	■	■	—

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	—	■	■	■	■	■	■	■	■	■	■
Standard Output	■	■	■	■	■	■	■	—	—	—	—
High Output	■	■	■	■	■	■	—	—	—	—	—

207 | BoxRail®

	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)	120" (3048mm)	144" (3658mm)
Low Output	—	■	■	■	—	—	—	—
Standard Output	—	■	■	■	■	■	—	—
High Output	—	—	—	—	—	—	—	—

807 | Nexa

	24" (610mm)	30" (762mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	90" (2286mm)	96" (2438mm)
Very Low Output	—	—	—	—	■	■	■	■
Low Output	—	■	■	■	■	■	■	■
Standard Output	■	■	■	■	■	■	■	■
High Output	■	■	■	■	■	■	—	—

Remote Power
Vode Button Board™

107 | BoxRail®
107 | WingRail®
907 | BoxRail®

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Standard Output	—	■	■	■	■	■	■
High Output	—	—	—	—	—	—	—

IMPORTANT: Vode uses a variety of drivers to meet specific requirements of each LED product. Due to differing wattage or voltage of each rail, different drivers may be required in order to properly operate each rail type.

Technical Specifications for eldoLED POWERdrive **50U-M4Z0X** (50W)   *See eldoled.com for more information*

Dimming Control:	Digital Multiplex (DMX)
Dimming Range:	100% to 0.1%
Dimming Curve:	Driver dimming curve is factory preset to linear. Logarithmic/Square is available by 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:	200 - 1,050 mA
Output:	4x (2-55V)
Remote Distance:	Up to 100' (30.5m) from LED source

Driver Wiring Information
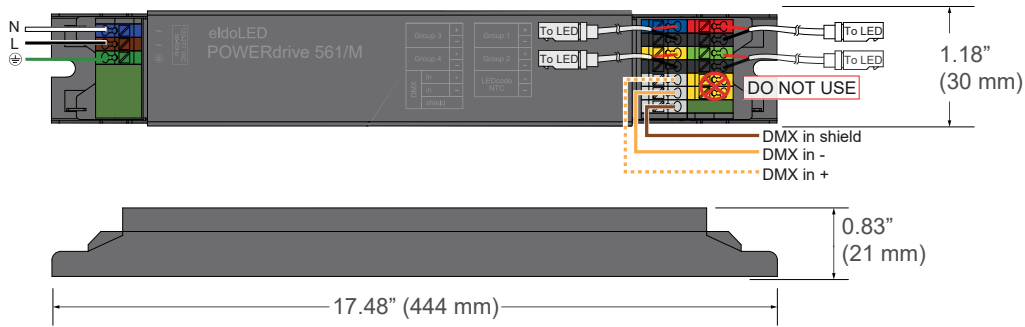

NOTE: Driver not drawn to scale

IMPORTANT: Vode uses a variety of drivers to meet specific requirements of each LED product. Due to differing wattage or voltage of each rail, different drivers may be required in order to properly operate each rail type.

Standard System Driver Specification for eldoLED POWERdrive **50U-M4Z0X** (50W)

NOTE: Driver indicated below is what will be provided for a standard Vode rail. Modified orders could be supplied with an alternate driver. Please contact your Vode representative for more information.

Vode Zipper Board™

107 | BoxRail® 107 | RaceRail® 107 | WingRail® 107 | DoubleBox™ 107 | DoubleRace™ 707 | ZipThree® Surface Mount 707 | ZipThree® Ceiling Cable 907 | BoxRail®	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Low Output	—	■	■	■	■	■	■
Standard Output	—	■	■	■	■	■	■
High Output	—	—	—	—	—	—	—

707 | ZipOne®	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Low Output	—	—	■	■	■	■	■
Standard Output	—	■	■	■	■	■	■
High Output	■	■	■	■	■	■	—

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	—	■	■	■	■	■	■	■	—	—	—
Standard Output	■	■	■	■	■	■	■	—	—	—	—
High Output	■	■	■	■	■	—	—	—	—	—	—

207 | BoxRail®	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)	120" (3048mm)	144" (3658mm)
Low Output	—	■	■	■	■	■	■	■
Standard Output	—	■	■	■	■	■	—	—
High Output	—	—	—	—	—	—	—	—

807 | Nexa	24" (610mm)	30" (762mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	90" (2286mm)	96" (2438mm)
Very Low Output	—	—	—	—	■	■	■	■
Low Output	—	■	■	■	■	■	■	■
Standard Output	■	■	■	■	■	■	■	■
High Output	■	■	■	■	■	—	—	—

Vode Button Board™

107 | BoxRail® 107 | WingRail® 907 | BoxRail®	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Standard Output	—	■	■	■	■	■	—
High Output	—	—	—	—	—	—	—

IMPORTANT: Vode uses a variety of drivers to meet specific requirements of each LED product. Due to differing wattage or voltage of each rail, different drivers may be required in order to properly operate each rail type.

Technical Specifications for eldoLED POWERdrive **106/M** (100W)

See eldoled.com for more information

Dimming Control:	Digital Multiplex (DMX)
Dimming Range:	100% to 0.1%
Dimming Curve:	Driver dimming curve is factory preset to linear. Logarithmic/Square is available by 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:	-40°C to 50°C (-40°F to 122°F)
LED output current range:	200 - 1,050 mA
Output:	4x (2-57V)
Remote Distance:	Up to 100' (30.5m) from LED source

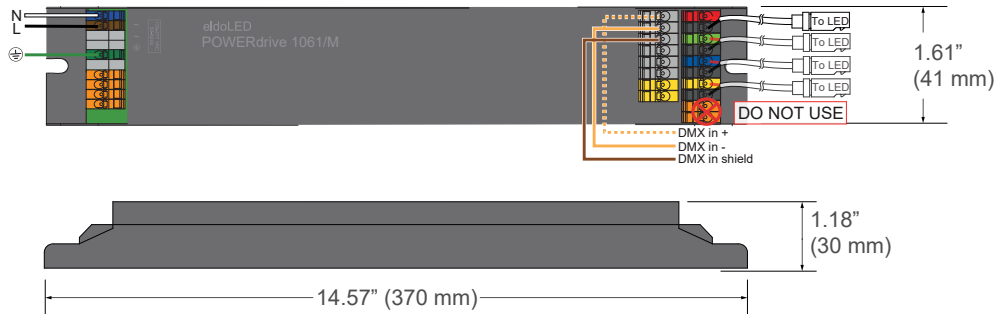## Driver Wiring Information

NOTE: Driver not drawn to scale

IMPORTANT: Vode uses a variety of drivers to meet specific requirements of each LED product. Due to differing wattage or voltage of each rail, different drivers may be required in order to properly operate each rail type.

Standard System Driver Specification for eldoLED POWERdrive **106/M** (100W)

NOTE: Driver indicated below is what will be provided for a standard Vode rail. Modified orders could be supplied with an alternate driver. Please contact your Vode representative for more information.
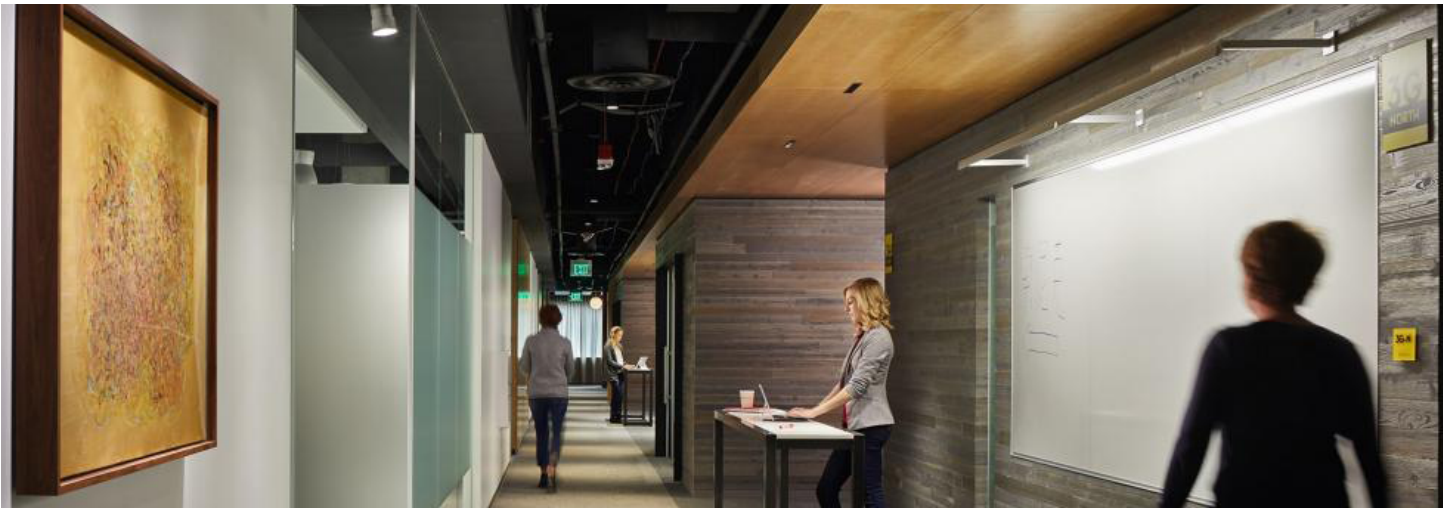
Vode Zipper Board™

707	ZipOne®	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
	Low Output	—	—	—	—	—	—	—
	Standard Output	—	—	—	—	—	—	—
	High Output	—	—	—	—	—	■	—

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	—	—	—	—	—	—	—	—	—	—	—
Standard Output	—	—	—	—	—	—	—	—	—	—	—
High Output	—	—	—	—	—	■	■	—	—	—	—

807	Nexa	24" (610mm)	30" (762mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	90" (2286mm)	96" (2438mm)
Very Low Output	—	—	—	—	—	—	—	—
Low Output	—	—	—	—	—	—	—	—
Standard Output	—	—	—	—	—	—	—	—
High Output	—	—	—	—	—	■	■	—

Vode Button Board™

107	BoxRail® / 107	WingRail® / 907	BoxRail®	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Standard Output	—	—	—	—	—	—	■
High Output	—	—	—	—	—	—	—

AH | Lutron, Hi-Lume 1% Dimming EcoSystem, Soft on / Fade to Black Technology, LDE1

LUTRON OEM ADVANTAGE

Lutron Soft on / Fade to Black, what is it?

Hi-lume 1% EcoSystem LED Drivers with Soft-on, Fade-to-Black provide a high-performance solution for any space, in any application. They provide smooth, continuous dimming down to 1% of full output current, and the Soft-on, Fade-to-Black fades smoothly between 0% and 1% when turned on and off for an incandescent-like experience. These drivers offer continuous, flicker-free dimming from 100% to 1% and accommodates zone and control changes without rewiring.

http://www.lutron.com/TechnicalDocumentLibrary/369832_ENG.pdf

Driver Compatibility for All Vode Families

Driver compatibility is determined by rail type, output and rail lengths. See the chart below for driver compatibility with your rail section lengths. **Vode provides a 25' wire harness for remote power unless otherwise noted.**

Remote Power
Vode Zipper Board™

● = Supplied as a **Brick** Style Driver

■ = Supplied as a **Stick** Style Driver

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	—	●	■	■	●	●	●
Standard Output	—	●	●	●	●	●	■
High Output	●	●	●	■	■	■	—

707 | ZipOne®

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Low Output	—	—	●	●	●	●	●
Standard Output	—	●	●	●	●	●	■
High Output	●	●	●	●	■	●	■

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	—	—	●	●	●	●	●	●	●	●	●
Standard Output	—	●	●	●	●	●	■	●	●	●	●
High Output	●	●	●	●	■	●	■	—	—	—	—

207 | BoxRail®

	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)	120" (3048mm)	144" (3658mm)
Low Output	—	■	■	●	●	●	●	●
Standard Output	●	●	●	●	●	■	■	■
High Output	●	●	■	■	■	—	—	—

807 | Nexa

	24" (610mm)	30" (762mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	90" (2286mm)	96" (2438mm)
Very Low Output	—	—	■	■	■	■	●	●
Low Output	—	—	●	●	●	●	●	●
Standard Output	●	●	●	●	●	●	●	●
High Output	●	●	●	●	—	—	—	—

707 | ZipThree® Surface Mount
707 | ZipThree® Ceiling Cable
907 | BoxRail®

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Low Output	—	●	●	●	●	●	●
Standard Output	—	●	●	●	●	●	■
High Output	●	●	●	■	■	—	■

Driver Compatibility for All Vode Families

Driver compatibility is determined by rail type, output and rail lengths. See the chart below for driver compatibility with your rail section lengths. **Vode provides a 25' wire harness for remote power unless otherwise noted.**

Remote Power
Vode Button Board™

⬤ = Supplied as a **Brick** Style Driver

🟧 = Supplied as a **Stick** Style Driver

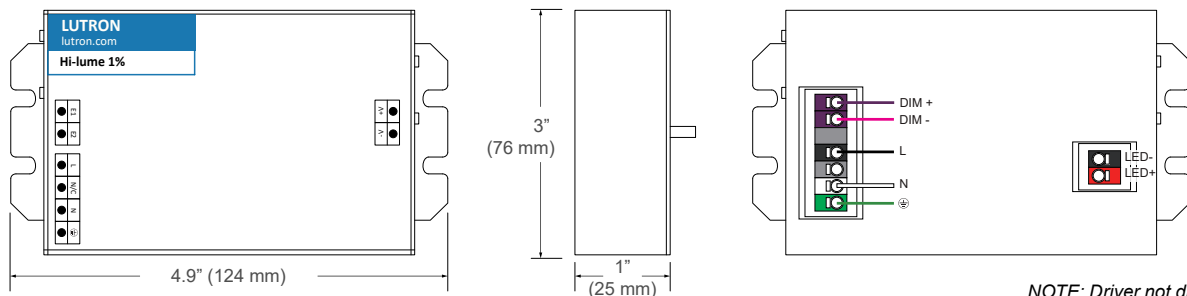| 107 | BoxRail® 107 | WingRail® 907 | BoxRail®		12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
	Standard Output	—	⬤	⬤	⬤	⬤	⬤	🟧
	High Output	—	—	—	🟧	🟧	🟧	—

IMPORTANT: Vode uses a variety of drivers to meet specific requirements of each LED product. Due to differing wattage or voltage of each rail, different drivers may be required in order to properly operate each rail type.

Technical Specifications for **Lutron LDE1**

Dimming Control:	EcoSystem Digital
Dimming Range:	100% to 1%
Dimming Type:	Constant current reduction (CCR) to 5%, Pulse width modulation (PWM) below 5%
Input Voltage:	Universal 120-277V, 50/60 Hz.
Type:	Constant current, Class 2
Operating Temperature:	0°C to 75°C (32°F to 167°F)

Driver Wiring Information

3"
(76 mm)

4.9" (124 mm)

1"
(25 mm)

DIM +
DIM -
L
N

LED-
LED+

NOTE: Driver not drawn to scale

Compatible Dimmers

Vode provides this information to help you choose a compatible dimming option for your selected driver. Vode does not supply dimming controls for any system and is not responsible for any controls issues associated with an installation.

IMPORTANT: Specifications are subject to change. Please visit the LED driver manufacturer's website for the most up-to-date specifications and contact information. For any compatibility issue, please contact driver manufacturer.

Manufacturer	Catalog Number
PowPak Dimming Modules	RMJ-ECO32-DV-B (120 V - 277 V) | FCJ/FC-JS-ECO (120 V - 277 V)
Energi Savr Node	QSN-1ECO-S (120 V) | QSN-2ECO-S (120V)
GRAFIK Eye QS / Homeworks QS control unit	QSGRJ-_E (wireless) (120 V) QSGR-_E (120 V)
Quantum Hub Homeworks QS / myRoom Plus power module	QP2-_ _ 2C (120 V) | QP2-_ _ 4C (120 V) QP2-_ _ 6C (120 V) | QP2-_ _ 8C (120 V) LQSE-2ECO-D (120 V - 277 V)

Remote Driver Distances

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	100' (30.5 m)						
Standard Output	100' (30.5 m)					75' (22.9 m)	50' (15.2m)
High Output	100' (30.5 m)					25' (7.6 m)	—

707 | ZipOne® 707 | ZipTwo® 707 | Wedge 707 | ZipThree® Surface Mount 707 | ZipThree® Ceiling Cable 907 | BoxRail®	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Low Output	—	100' (30.5 m)					25' (7.6 m)
Standard Output	100' (30.5 m)					75' (22.9 m)	50' (15.2m)
High Output	100' (30.5 m)					25' (7.6 m)	—

207 | BoxRail®	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)	120" (3048mm)	144" (3658mm)
Low Output	100' (30.5 m)				25' (7.6 m)			
Standard Output	100' (30.5 m)			75' (22.9 m)	25' (7.6 m)			
High Output	100' (30.5 m)		25' (7.6 m)		—	—	—	

807 | Nexa	24" (610mm)	30" (762mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	90" (2286mm)	96" (2438mm)
Very Low Output	—	—	100' (30.5 m)				25' (7.6 m)	
Low Output	100' (30.5 m)						25' (7.6 m)	
Standard Output	100' (30.5 m)				75' (22.9 m)		25' (7.6 m)	
High Output	100' (30.5 m)				25' (7.6 m)			

Remote Power
Vode Button Board™

107 | BoxRail® 107 | WingRail® 907 | BoxRail®	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Standard Output	100' (30.5 m)						
High Output							

Standard System Driver Specification

NOTE: Driver indicated below is what will be provided for a standard Vode rail. Modified orders could be supplied with an alternate driver. Please contact your Vode representative for more information.

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	—	—	—	—	LDE14U1UKS- **AA035**		LDE14U1UKS-**BA047**
	Standard Output	—	LDE14U1UKS-**DA070**	LDE14U1UKS- **CA070**		LDE14U1UKS- **BA070**		—
	High Output	—	LDE14U1UKS-**GA140**	LDE14U1UKS-**FA140**	—	—	—	—

207 | BoxRail®	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)	120" (3048mm)	144" (3658mm)
Low Output	—	—	—	LDE14U1UKS-**AA035**	LDE14U1UKS-**BA035**	LDE14U1UKS-**BA047**	LDE14U1UKS-**BA059**	LDE14U1UKS-**BA070**
Standard Output	LDE14U1UKS-**DA070**	LDE14U1UKS- **CA070**		LDE14U1UKS- **BA070**		—	—	—
High Output	LDE14U1UKS-**GA140**	LDE14U1UKS-**FA140**	—	—	—	—	—	—

707 | ZipOne® 707 | ZipTwo® 707 | Wedge		12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
	Low Output	—	—	LDE14U1UKS- **AA035**			LDE14U1UKS-**BA035**	LDE14U1UKS-**BA047**
	Standard Output	—	LDE14U1UKS-**DA070**	LDE14U1UKS- **CA070**		LDE14U1UKS- **BA070**		—
	High Output	—	—	LDE14U1UKS- **FA105**		—	—	—

707 | ZipThree® 907 | BoxRail®		12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
	Low Output	—	—	LDE14U1UKS- **AA035**			LDE14U1UKS-**BA035**	LDE14U1UKS-**BA047**
	Standard Output	—	LDE14U1UKS-**DA070**	LDE14U1UKS- **CA070**		LDE14U1UKS- **BA070**		—
	High Output	—	LDE14U1UKS-**GA140**	LDE14U1UKS-**FA140**	—	—	—	—

807 | Nexa		24" (610mm)	30" (762mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	90" (2286mm)	96" (2438mm)
	Very Low Output	—	—	—	—	—	—	LDE14U1UKS-**AA025**	LDE14U1UKS-**AA027**
	Low Output	—	—	LDE14U1UKS- **AA035**			—	LDE14U1UKS-**BA044**	LDE14U1UKS-**BA047**
	Standard Output	LDE14U1UKS- **DA070**		LDE14U1UKS- **CA070**		LDE14U1UKS- **BA070**		—	—
	High Output	—	LDE14U1UKS-**GA105**	LDE14U1UKS- **FA105**		—	—	—	—

Standard System Driver Specification

NOTE: Driver indicated below is what will be provided for a standard Vode rail. Modified orders could be supplied with an alternate driver. Please contact your Vode representative for more information.

Vode Button Board™

107	BoxRail® 107	WingRail® 907	BoxRail®		12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
	Standard Output	—	LDE14U1UKS-**HA105**	LDE14U1UKS-**GA105**	LDE14U1UKS- **FA105**			—
	High Output	—	—	—	—	—	—	—

IMPORTANT: Vode uses a variety of drivers to meet specific requirements of each LED product. Due to differing wattage or voltage of each rail, different drivers may be required in order to properly operate each rail type.

Technical Specifications for **Lutron LDE1**

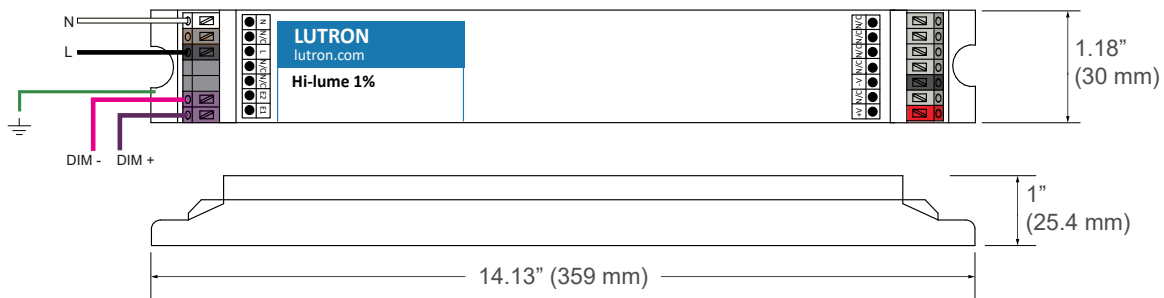|	
Dimming Control:	EcoSystem Digital
Dimming Range:	100% to 1%
Dimming Type:	Constant current reduction (CCR) to 5%, Pulse width modulation (PWM) below 5%
Input Voltage:	Universal 120-277V, 50/60 Hz.
Type:	Constant current, Class 2
Operating Temperature:	0°C to 75°C (32°F to 167°F)

Driver Wiring Information

NOTE: Driver not drawn to scale

Compatible Dimmers

Vode provides this information to help you choose a compatible dimming option for your selected driver. Vode does not supply dimming controls for any system and is not responsible for any controls issues associated with an installation.

IMPORTANT: Specifications are subject to change. Please visit the LED driver manufacturer's website for the most up-to-date specifications and contact information. For any compatibility issue, please contact driver manufacturer.

Manufacturer	Catalog Number
PowPak Dimming Modules	RMJ-ECO32-DV-B (120 V - 277 V)	FCJ/FC-JS-ECO (120 V - 277 V)
Energi Savr Node	QSN-1ECO-S (120 V)	QSN-2ECO-S (120V)
GRAFIK Eye QS / Homeworks QS control unit	QSGRJ-_E (wireless) (120 V) QSGR-_E (120 V)
Quantum Hub Homeworks QS / myRoom Plus power module	QP2-_ _ 2C (120 V)	QP2-_ _ 4C (120 V) QP2-_ _ 6C (120 V)	QP2-_ _ 8C (120 V) LQSE-2ECO-D (120 V - 277 V)

Standard System Driver Specification

NOTE: Driver indicated below is what will be provided for a standard Vode rail. Modified orders could be supplied with an alternate driver. Please contact your Vode representative for more information.

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	—	—	LDE11U1UMN-MA035		—	—	—
Standard Output	—	—	—	—	—	—	LDE15U1UMN-UA093
High Output	—	—	—	LDE15U1UMN-CA140	LDE17U1UMN-VA140		—

207 | BoxRail®	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)	120" (3048mm)	144" (3658mm)
Low Output	—	LDE11U1UMN-MA035		—	—	—	—	—
Standard Output	—	—	—	—	—	LDE15U1UMN-UA093	LDE17U1UMN-VA117	LDE17U1UMN-VA140
High Output	—	—	LDE15U1UMN-CA140	LDE17U1UMN-VA140		—	—	—

707 | ZipOne® 707 | ZipTwo® 707 | Wedge	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Low Output	—	—	—	—	—	—	—
Standard Output	—	—	—	—	—	—	LDE15U1UMN-UA093
High Output	—	—	—	—	LDE17U1UMN-VA105		LDE17U1UMN-VA140

707 | ZipThree® 907 | BoxRail®	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Low Output	—	—	—	—	—	—	—
Standard Output	—	—	—	—	—	—	LDE15U1UMN-UA093
High Output	—	—	—	LDE15U1UMN-CA140	LDE17U1UMN-VA140	—	—

807 | Nexa	24" (610mm)	30" (762mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	90" (2286mm)	96" (2438mm)
Very Low Output	—	—	LDE11U1UMN-LA020		LDE11U1UMN-JA020		—	—
Low Output	—	LDE11U1UMN-MA035	—	—	—	—	—	—
Standard Output	—	—	—	—	—	—	LDE15U1UMN-UA088	LDE15U1UMN-UA093
High Output	—	—	—	—	LDE17U1UMN-VA105		LDE17U1UMN-VA132	LDE17U1UMN-VA140

Standard System Driver Specification

NOTE: Driver indicated below is what will be provided for a standard Vode rail. Modified orders could be supplied with an alternate driver. Please contact your Vode representative for more information.

Vode Button Board™

107 | BoxRail® 107 | WingRail® 907 | BoxRail®		12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
	Standard Output	—	—	—	—	—	—	LDE17U1UMN-**VA175**
	High Output	—	—	—	LDE17U1UMN- **DA175**			—
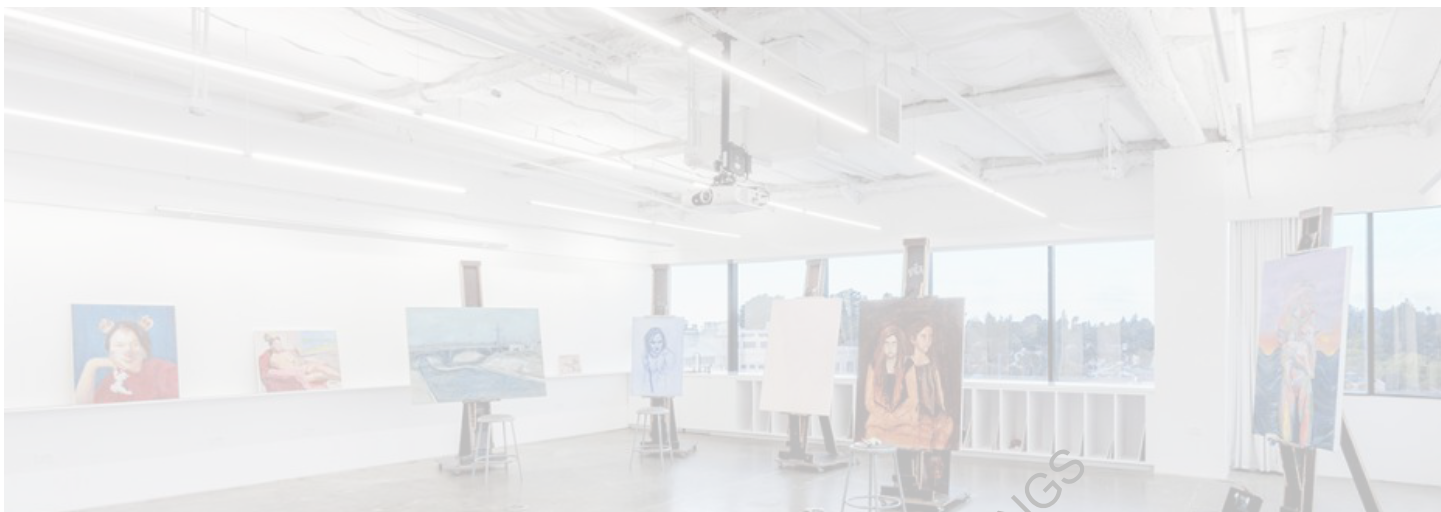
AH2 | Lutron, Hi-lume 1% 2-wire LEA
(120V forward phase only)

LUTRON
OEM
ADVANTAGE

Lutron Hi-Lume 1% 2-Wire Dimming, what is it?

The Hi-lume 1% 2-Wire LED Driver is a high-performance LED driver that provides smooth, continuous, flicker-free, 1% dimming for virtually any LED fixture. Formerly part of the A-series family, it is the most versatile LED driver offered today due to its compatibility with a wide variety of LED arrays, multiple form factors, and numerous control options.

http://www.lutron.com/TechnicalDocumentLibrary/369543_ENG.pdf

Driver Compatibility for All Vode Families

Driver compatibility is determined by rail type, output and rail lengths. See the chart below for driver compatibility with your rail section lengths. **Vode provides a 25' wire harness for remote power unless otherwise noted.**

Remote Power
Vode Zipper Board™

● = Supplied as a **Brick** Style Driver

■ = Supplied as a **Stick** Style Driver

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	—	●	●	●	●	●	●
Standard Output	—	●	●	●	●	●	—
High Output	—	●	●	—	—	—	—

707 | ZipOne®

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Low Output	●	●	●	●	●	●	●
Standard Output	●	●	●	●	●	●	—
High Output	●	●	●	●	—	—	—

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	●	●	●	●	●	●	—	—	—	—	—
Standard Output	●	●	●	●	●	—	—	—	—	—	—
High Output	●	●	●	●	—	—	—	—	—	—	—

207 | BoxRail®

	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)	120" (3048mm)	144" (3658mm)
Low Output	●	●	●	●	●	●	●	●
Standard Output	●	●	●	●	●	—	—	—
High Output	●	●	●	●	—	—	—	—

807 | Nexa

	24" (610mm)	30" (762mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	90" (2286mm)	96" (2438mm)
Very Low Output	—	—	—	—	—	—	—	—
Low Output	●	●	●	●	●	●	●	●
Standard Output	●	●	●	●	●	●	—	—
High Output	●	●	●	●	—	—	—	—

707 | ZipThree® Surface Mount
707 | ZipThree® Ceiling Cable
907 | BoxRail®

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Low Output	●	●	●	●	●	●	●
Standard Output	●	●	●	●	●	●	—
High Output	●	●	●	—	—	—	—

TEMPORARILY UNAVAILABLE. CONTACT VODE FOR CURRENT OFFERINGS

Driver Compatibility for All Vode Families

Driver compatibility is determined by rail type, output and rail lengths. See the chart below for driver compatibility with your rail section lengths. **Vode provides a 25' wire harness for remote power unless otherwise noted.**

Remote Power
Vode Button Board™

● = Supplied as a **Brick** Style Driver

▢ = Supplied as a **Stick** Style Driver

107 | BoxRail®
107 | WingRail®
907 | BoxRail®

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Standard Output	—	●	●	●	●	●	—
High Output	—	●	—	—	—	—	—

TEMPORARILY UNAVAILABLE.
CONTACT VODE FOR CURRENT OFFERINGS

IMPORTANT: Vode uses a variety of drivers to meet specific requirements of each LED product. Due to differing wattage or voltage of each rail, different drivers may be required in order to properly operate each rail type.
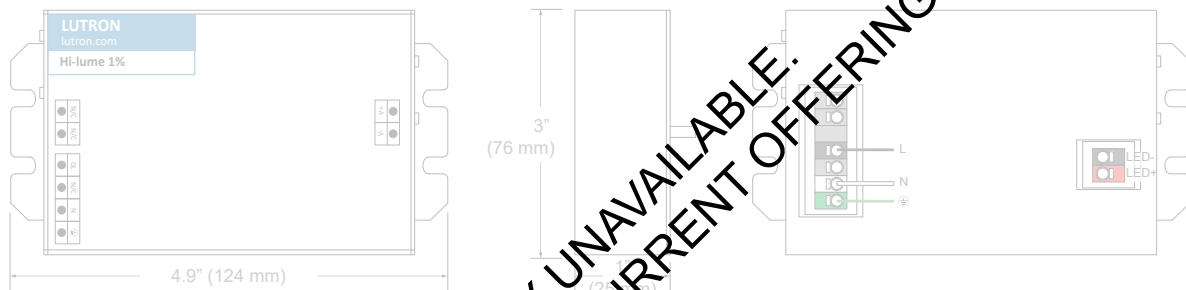
Technical Specifications for **Lutron LTE**

See *lutron.com* for more information

Dimming Control:	EcoSystem Digital
Dimming Range:	100% to 1%
Dimming Type:	Constant Current Reduction (CCR)
Input Voltage:	120V, 50/60 Hz.
Type:	Constant current, Class 2
Operating Temperature:	0°C to 65°C (32°F to 149°F)
Remote Distance:	Up to 100' (30.5m) from LED source

Driver Wiring Information

NOTE: Driver not drawn to scale

3"
(76 mm)

4.9" (124 mm)

L
N

LED-
LED+

Compatible Dimmers

Vode provides this information to help you choose a compatible dimming option for your selected driver. Vode does not supply dimming controls for any system and is not responsible for any controls issues associated with an installation.

IMPORTANT: Specifications are subject to change. Please visit the LED driver manufacturer's website for the most up-to-date specifications and contact information. For any compatibility issue, please contact driver manufacturer.

Controls Requiring Neutral

Manufacturer	Catalog Number
RadioRA 2 adaptive dimmer	RRD-6NA-
RA2 Select/RadioRA 2 600 Wdimmer	RRD-6ND
RadioRA 21000 W dimmer	RRD-10ND
RadioRA 2 Architectural RF GRAFIK T phase selectable dimmer	RRT-G5NEW-
RadioRA 2 Architectural RF GRAFIK T dimmer	RRT-G25LW
RadioRA 2 C•L hybrid seeTouch keypad	RRD-HN
RadioRA 2 GRAFIK T C•L hybrid keypad	RRT-GH
HomeWorks QS adaptive dimmer	HQRD-6NA-
HomeWorks QS 600 W dimmer	HQRD-6ND
HomeWorks QS 1000 W dimmer	HQRD-10ND-
Maestro Wireless 600 W dimmer	MRF2-6ND-120-
Vive Maestro Wireless 600 W dimmer	MRF2S-6ND-120-
HomeWorks QS GRAFIK T hybrid keypad	HQRT-GH
HomeWorks QS Architectural GRAFIK T dimmer	HQRT-G25LW-
HomeWorks QS Architectural GRAFIK T phase selectable dimmer	HQRT-G5NEW-
HomeWorks QS designer C•L hybrid seeTouch keypad	HQRD-HN
GRAFIK T C)L 250 W dimmer	GT-250M-,	GTJ-250M

Compatible Dimmers Continued

Vode provides this information to help you choose a compatible dimming option for your selected driver. Vode does not supply dimming controls for any system and is not responsible for any controls issues associated with an installation.

IMPORTANT: Specifications are subject to change. Please visit the LED driver manufacturer's website for the most up-to-date specifications and contact information. For any compatibility issue, please contact driver manufacturer.

Controls Requiring Neutral Continued

Manufacturer	Catalog Number
Caséta Wireless Pro 1000 W dimmer	PD-10NXD-
Caséta Wireless phase selectable dimmer	PD-5NE-
Maestro PRO phase selectable dimmer	MA-PRO
myRoom DIN power module	MQSE-4A1-D
HomeWorks QS DIN power module	LQSE-4A1-D
HomeWorks QS Phase Adaptive DIN power module	LQSE-4A-D
HomeWorks QS wallbox power module	HQRJ-WPM-6D-120
HomeWorks wallbox power module	WPM-6D-120
GRAFIK Eye QS control unit	QSGR-,	QSGRJ
GRAFIK Eye 3000 control unit	GRX-3100-,	GRX-3500-
RPM-4U module (LCP, HomeWorks QS, GRAFIK Systems, Quantum)	HW-RPM-4U-120,	LP-RPM-4U-120
RPM-4A module (LCP, HomeWorks QS, GRAFIK Systems, Quantum)	HW-RPM-4A-120,	LP-RPM-4A-120
GP dimming panels	Various

Controls **NOT** Requiring Neutral

Manufacturer	Catalog Number
Ariadni C•L 250 W dimmer	AYCL-253P
Ariadni C•L 150 W dimmer	TGCL-153P-,	AYCL-153P
Diva C•L 250 W dimmer	DVCL-253P	DVSCCL-253P
Diva C•L 150 W dimmer	DVCL-153P-,	DVSCCL-153P
Nova T* C•L 250 W dimmer	NTCL-250-
Lumea C•L 150 W dimmer	LECL-153P
Skylark C•L 150 W dimmer	SCL-153P
Contour C•L 150 W dimmer	CTCL-153P
Maestro C•L 150 W dimmer	MACL-153M-
Maestro C•L 150 W sensor	MSCL-OP153M-,	MSCL-VP153M
Vive Maestro C•L 150 W dimmer	MRF2S-6CL
GRAFIK T C•L 150 W dimmer	GTJ-150
Maestro Wireless C•L 150 W dimmer	MRF2-6CL
RadioRA 2 C•L 150 W dimmer	RRD-6CL-
HomeWorks QS Designer C•L 150 W dimmer	HQRD-6CL
Caséta Wireless C•L Dimmer	PD-6WCL
RadioRA 2 Architectural RF GRAFIK T dimmer	RRT-G25LW-
HomeWorks QS Architectural GRAFIK T dimmer	HQRT-G25LW-
GRAFIK T C•L 250 W dimmer	GT-250M-,	GTJ-250M

Standard System Driver Specification

NOTE: Driver indicated below is what will be provided for a standard Vode rail. Modified orders could be supplied with an alternate driver. Please contact your Vode representative for more information.

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	—	LTEA4U1UKS-GA035	LTEA4U1UKS - HA035		LTEA4U1UKS - EA035		LTEA4U1UKS-EA047
Standard Output	—	LTEA4U1UKS-GA070	LTEA4U1UKS - HA070		LTEA4U1UKS - FA070		—
High Output	—	LTEA4U1UKS-KA140	LTEA4U1UKS-LA140	—	—	—	—

207 | BoxRail®

	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)	120" (3048mm)	144" (3658mm)
Low Output	LTEA4U1UKS-GA035	LTEA4U1UKS - HA035		LTEA4U1UKS - EA035		LTEA4U1UKS-EA047	LTEA4U1UKS-FA059	LTEA4U1UKS-FA070
Standard Output	LTEA4U1UKS - GA070	LTEA4U1UKS - HA070		LTEA4U1UKS - FA070		—	—	—
High Output	LTEA4U1UKS - KA140	LTEA4U1UKS - LA140	—	—	—	—	—	—

707 | ZipOne®
707 | ZipTwo®
707 | Wedge

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Low Output	—	LTEA4U1UKS-GA035	LTEA4U1UKS - HA035		LTEA4U1UKS-EA035		LTEA4U1UKS-EA047
Standard Output	—	LTEA4U1UKS - GA070	LTEA4U1UKS - HA070		LTEA4U1UKS- FA070		—
High Output	—	LTEA4U1UKS - IA105	LTEA4U1UKS - JA105		—	—	—

707 | ZipThree®
907 | BoxRail®

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Low Output	LTEA4U1UKS - GA035		LTEA4U1UKS - HA035		LTEA4U1UKS- EA035		LTEA4U1UKS-EA047
Standard Output	LTEA4U1UKS - GA070		LTEA4U1UKS - HA070		LTEA4U1UKS- FA070		—
High Output	LTEA4U1UKS - KA140		LTEA4U1UKS - LA140	—	—	—	—

807 | Nexa

	24" (610mm)	30" (762mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	90" (2286mm)	96" (2438mm)
Very Low Output	—	—	—	—	—	—	—	—
Low Output	LTEA4U1UKS - GA035	LTEA4U1UKS - HA035			LTEA4U1UKS- EA035		LTEA4U1UKS-EA044	LTEA4U1UKS-EA047
Standard Output	LTEA4U1UKS - GA070	LTEA4U1UKS - HA070			LTEA4U1UKS- FA070		—	—
High Output	LTEA4U1UKS - IA105	LTEA4U1UKS - JA105			—	—	—	—

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Standard System Driver Specification

NOTE: Driver indicated below is what will be provided for a standard Vode rail. Modified orders could be supplied with an alternate driver. Please contact your Vode representative for more information.

Vode Button Board™

107 | BoxRail®
107 | WingRail®
907 | BoxRail®

	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
Standard Output	___	LTEA4U1UKS - IA105		LTEA4U1UKS - JA070			___
High Output	___	LTEA4U1UKS - MA175	___	___	___	___	___

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