

NITELIGHT™ CLOSET ROD

Specification Sheet



NITELIGHT™ CLOSET ROD provides even illumination of clothing in a closet while serving as a sturdy and attractive clothes hanging solution. While all necessary accessories for mounting are available from Optic Arts, the **CLOSET ROD** is also sized to the industry standard diameter of 1-5/16" making it perfect for use with off the shelf accessories to achieve a specific look or in retrofit situations.

ELECTRICAL

Input Voltage	24VDC
Dimming Options	0-10 Volt, MLV, DMX, Lutron
Power Consumption	3.0 Watts per foot
Wire Size	18AWG, 2 wire
Certification	ETL - Conforms to UL Std. 2108; Certified to CSA Std. C22.2 No. 9.0. Closet Rated - Suitable for installation in the storage area of a clothes closet.

PHYSICAL

Operating Temperature	-30° C (-22°F) to +60°C (+140°F)
Environment	IP20 - Dry Location
Diameter	Ø 1 5/16"
Max Length	Single - 6.00'; Double - 12.00'
Finish	Satin Silver Anodized, Deep Bronze Anodized*, Matte Black Anodized*, White Powder Coat*, Custom RAL Power Coat*, Chrome*

**Special order finishes will incur additional charges and may have longer lead times.*

LIGHT ENGINE LUMEN OUTPUT

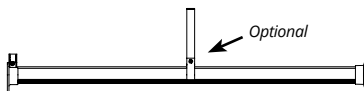
2000K	174.44 lm/ft 62.44 lm/watt
2400K	230.22 lm/ft 76.74 lm/watt
2700K	262.59 lm/ft 87.53 lm/watt
3000K	265.65 lm/ft 88.55 lm/watt
3500K	276.03 lm/ft 92.01 lm/watt
4100K	286.77 lm/ft 95.59 lm/watt
6000K	272.94 lm/ft 90.98 lm/watt

**Stated lumen values have a tolerance of +/- 10%.*

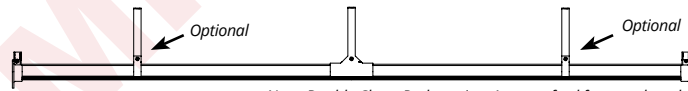
PERFORMANCE

CRI	90+
Lumen Maintenance	50,000 Hours
Binning Tolerance	+/- 100k
Warranty	3 years

Single (CLOSET ROD 6' and under)



Double (CLOSET ROD 6' and up)



Note: Double Closet Rod requires 1 power feed from each end

PART NUMBER BUILDER

SERIES	TYPE	FINISH	COLOR	LENS	SLIDE RAIL	SIZE	CTR SUPPORT	DIMMING	LENGTH
NL = Nitelight	CR = Closet Rod	SL = Satin Silver BZ = Deep Bronze *MB = Matte Black *WH = White Powder Coat *CR = Custom RAL Powder Coat *CH = Chrome	20 = 2000k 24 = 2400k 27 = 2700k 30 = 3000k 35 = 3500k 41 = 4100k 60 = 6000k	CF = Frosted	CL = Clear	SI = Single (Closet Rod 6' and under) DH = Double (Closet Rod 6' and up with hard support joiner)	XCH = # of Center Hard Support N = None	MLV = MLV ND = Non-Dim 010 = 0-10V Dimming PDC = Pure DC Dimming DMX = DMX Dimming LN2 = Lutron Hi-Lume® A-Series 2-Wire Dimming LN3 = Lutron Hi-Lume® A-Series 3-Wire/Ecosystem Dimming	XX = Custom Length** (Inches) **Determined by interior wall to wall dimension of closet

**Special order finishes will incur additional charges and may have longer lead times.*

1130 Monterey Pass Rd, Monterey Park, CA 91754

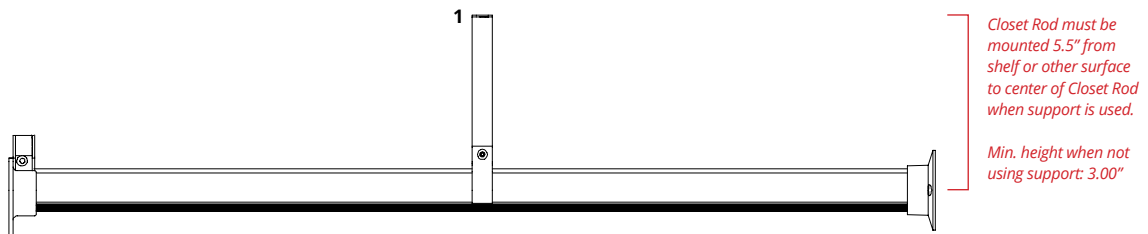
213.250.6069 | info@opticarts.com | www.opticarts.com

Optic Arts reserves the right to modify this specification without prior notice.

Last Modified: July 12, 2017 2:26 PM

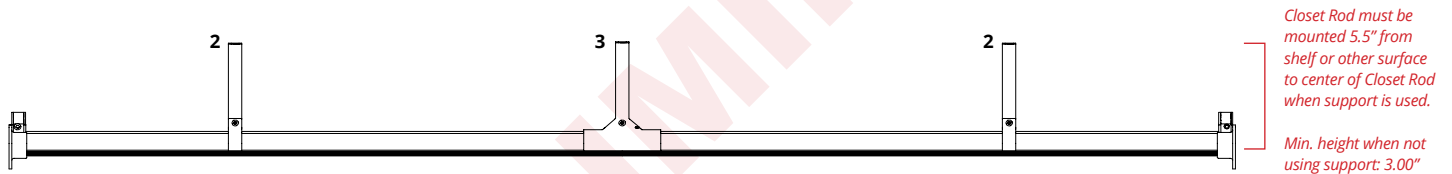
FUNCTIONALITY

Single (CLOSET ROD 6' and under)



1. **CHS-RND-33-SRCR** required for Closet Rod supporting weight of 50lbs or greater.

Double (CLOSET ROD 6' and up)



2. **CHS-RND-33-SRCR** required for Closet Rod supporting weight of 50lbs or greater.

3. **CHS-RND-33-J** required for Closet Rod longer than 6.00'.

Clothing Weight Reference

Jeans: 1.5lbs

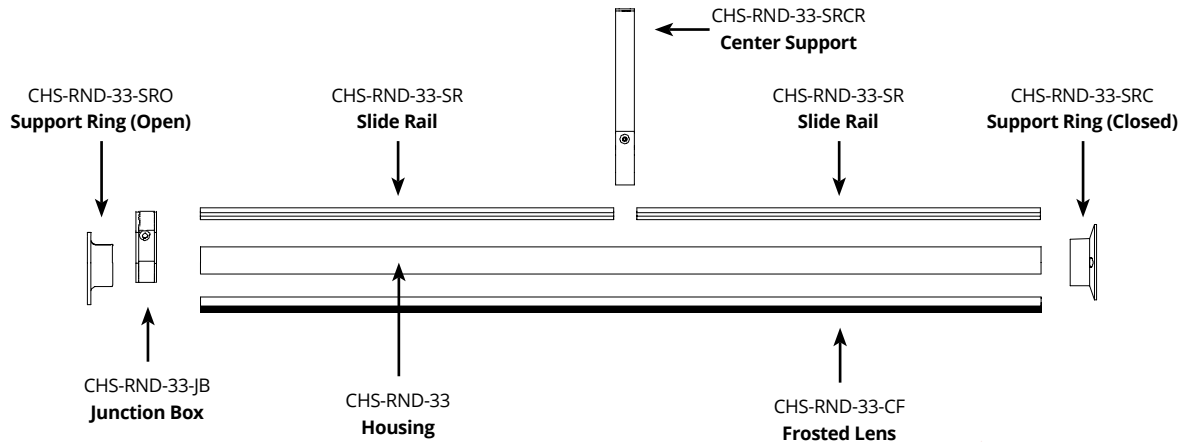
Shirts: 0.5lbs

Suits: 4.0lbs

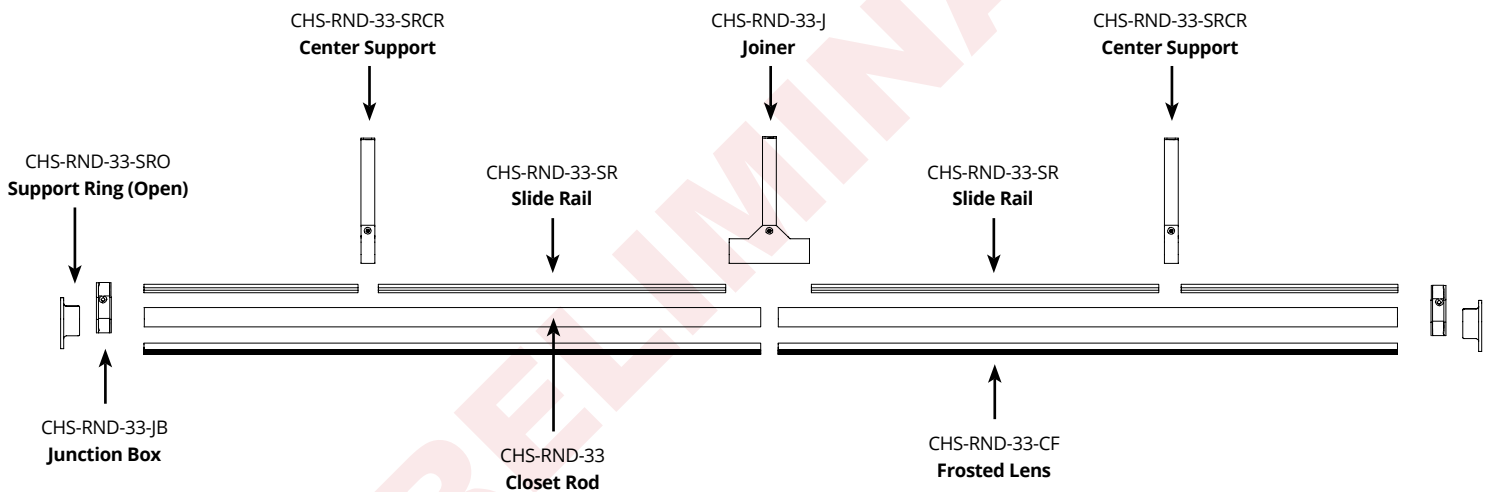
• Optic Arts cannot verify capacity of third party accessories. See pg. 4 for accessory items

EXPLODED VIEW

Single (CLOSET ROD 6' and under)



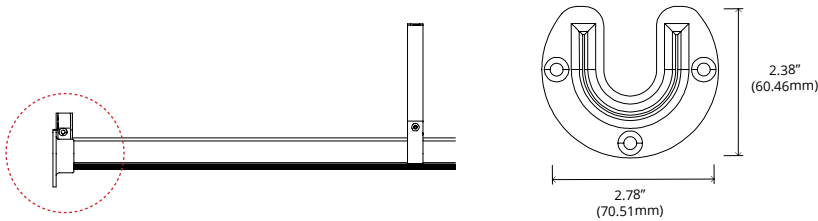
Double (CLOSET ROD 6' and up)



*Double Closet Rod requires 1 power feed from each end

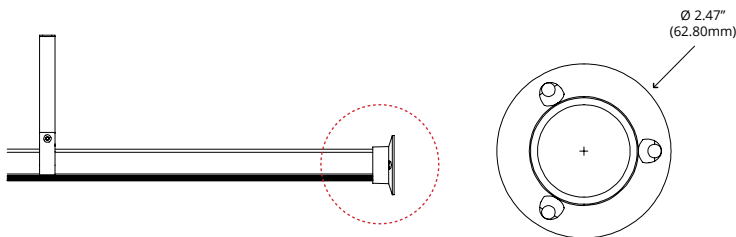
ACCESSORIES

SUPPORT RING (OPEN) - CHS-RND-33-SRO



- One open support ring will be included with each Single Closet Rod span.
- Two rings will be included with each Double Closet Rod

SUPPORT RING (CLOSED) - CHS-RND-33-SRC



- One closed support ring will be included with each Single Closet Rod span.

JUNCTION BOX - CHS-RND-33-JB

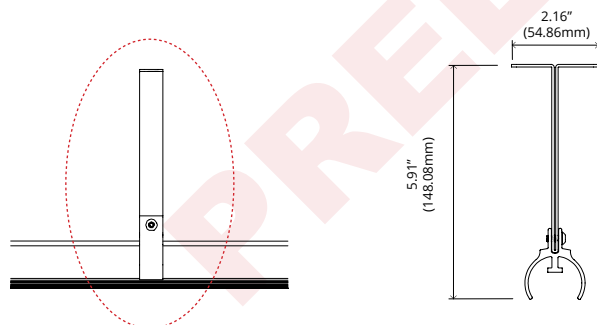


- Endcap Junction Box allows final connection to driver to be made directly at the fixture if needed.
- Wire exit holes on either side of box allow for surface mounting of wire when penetrating closet is not possible.

**Recommended side exit wire: Belden 18AWG 2 Conductor: 5300UE-0091000 or similar by others*

- Endcap Junction Box ships installed on fixture and engages with open support ring during installation to prevent rotation of fixture.

CENTER SUPPORT - CHS-RND-33-SRCR



- Support required for Closet Rods supporting weight of 50lbs or greater.

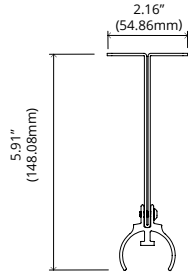
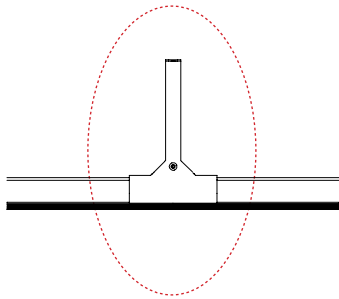
Clothing Weight Reference

*Jeans: 1.5lbs
Shirts: 0.5lbs
Suits: 4.0lbs*

**An additional 0.63" gap must be field cut out of slide rail wherever Center Support is mounted.*

ACCESSORIES

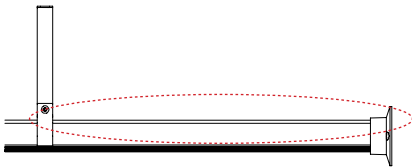
JOINER - CHS-RND-33-J



- Joiner required to create rods longer than 6.00'.
- Joiners will be included on an as needed basis based on specified length.

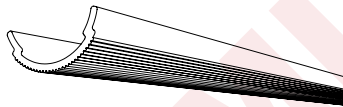
**An additional 3.63" gap must be field cut out of slide rail wherever Center Support is mounted.*

SLIDE RAIL - CHS-RND-33-SR



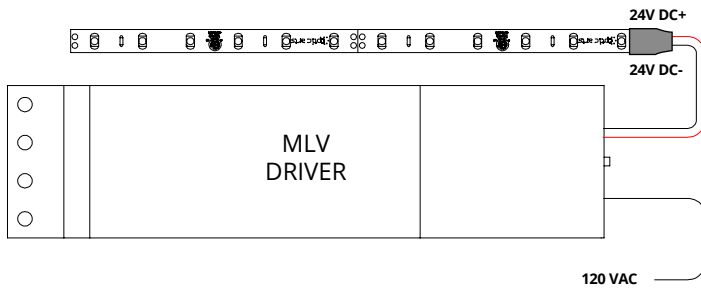
- Slide rail comes installed on the Closet Rod and allows for clothes hangers to slide without damaging the rod's finish
- Standard color is clear

LENS COVER - CHS-RND-33-CF



- The Closet Rod ships standard with a frosted lens

COMPATIBLE DRIVERS



MLV (MLV)

PART	DESCRIPTION
ML10S24VDC	10W 120VAC DIMMABLE DRIVER
ML20S24VDC	20W 120VAC DIMMABLE DRIVER
ML35S24VDC	35W 120VAC DIMMABLE DRIVER
ML35S24VDC-277	35W 277VAC DIMMABLE DRIVER
ML40S24VDC	40W 120VAC DIMMABLE DRIVER
ML50S24VDC	50W 120VAC DIMMABLE DRIVER
ML50S24VDC-277	50W 277VAC DIMMABLE DRIVER
ML60S24VDC	60W 120VAC DIMMABLE DRIVER
ML75S24VDC	75W 120VAC DIMMABLE DRIVER
ML75S24VDC-277	75W 277VAC DIMMABLE DRIVER
ML96S24VDC	96W 120VAC DIMMABLE DRIVER
ML96S24VDC-277	96W 120VAC DIMMABLE DRIVER
EM2-200S24DC	200W 120VAC DIMMABLE DRIVER, 2 96W CIRCUITS
EM3-300S24DC	300W 120VAC DIMMABLE DRIVER, 3 96W CIRCUITS
EM2-200S24DC-277	200W 120VAC DIMMABLE DRIVER, 2 96W CIRCUITS
EM3-300S24DC-277	288W 120VAC DIMMABLE DRIVER, 3 96W CIRCUITS

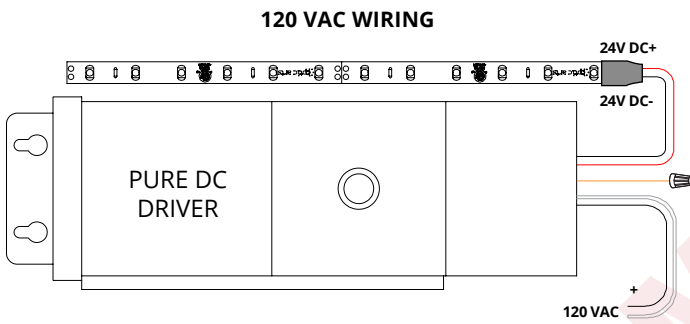
DIMENSIONS

10W-50W	H 2.11"; W 7.38"; D 1.60"
60W-96W	H 3.93"; W 8.13"; D 1.59"
200-300W	H 5.69"; W 10.29"; D 3.13"

DIMMING PERFORMANCE

MLV DRIVER Dims to 20% on most MLV dimmers

NOTE: Must be loaded between 75%-100% of rated load to maintain FLEX DC warranty



PURE DC MLV (PDC)

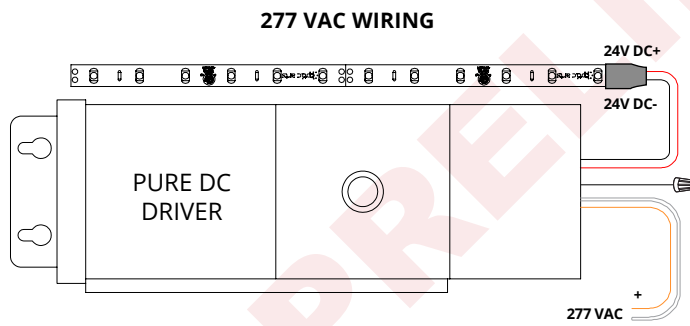
PART	DESCRIPTION
PDC.40.24	40W 120/277VAC PURE DC MLV DIMMABLE DRIVER
PDC.96.24	96W 120/277VAC PURE DC MLV DIMMABLE DRIVER

DIMENSIONS

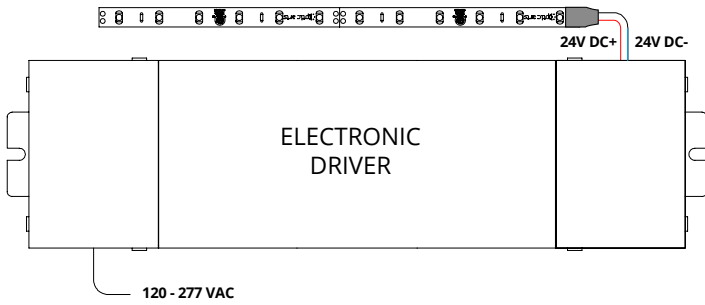
40W	L 14.25"; W 3.00"; H 2.88"
96W	L 14.75"; W 4.31"; H 4.81"

DIMMING PERFORMANCE

PURE DC DRIVER Dims to 0.1% on most MLV dimmers

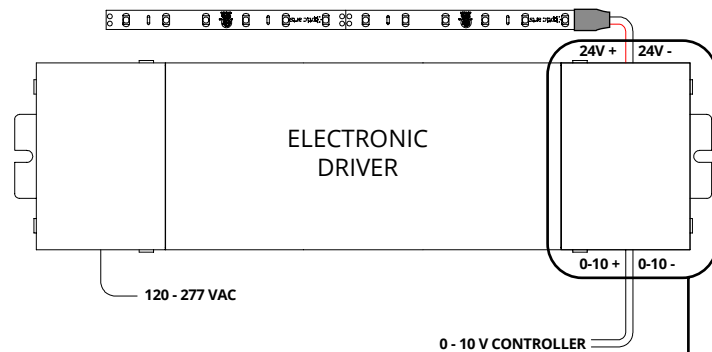


COMPATIBLE DRIVERS



ELECTRONIC DRIVER - NON-DIM (ND)

PART	DESCRIPTION
GG100E-24-UNV	96W 120-277VAC ELECTRONIC DRIVER
DIMENSIONS	
ELECTRONIC DRIVER	H 3.00"; W 11.46"; D 1.30"
DIMMING PERFORMANCE	
ELECTRONIC DRIVER	Non-Dim



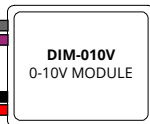
ELECTRONIC DRIVER W/O-10V MODULE (010)

PART	DESCRIPTION
GG100E-24-UNV-010V	96W 120-277VAC ELECTRONIC DRIVER WITH 0-10V DIMMING MODULE (SINK)
DIMENSIONS	
ELECTRONIC DRIVER - 0-10V	H 3.00"; W 11.46"; D 1.30"
DIMMING PERFORMANCE	
ELECTRONIC DRIVER - 0-10V	Dims below 1% on most 0-10V dimmers

FIELD INSTALLED IN LOW VOLTAGE WIRING COMPARTMENT

- Install DIM-010V Module in low voltage wiring compartment.
- Max number of 25 modules on one dimmer. Consult dimmer datasheet for maximum device limitation of a specific controller.

GRAY WIRE TO 0-10V CONTROLLER -
VIOLET WIRE TO 0-10V CONTROLLER +



BLACK WIRE TO DC - OUTPUT OF DRIVER
RED WIRE TO DC + OUTPUT OF DRIVER

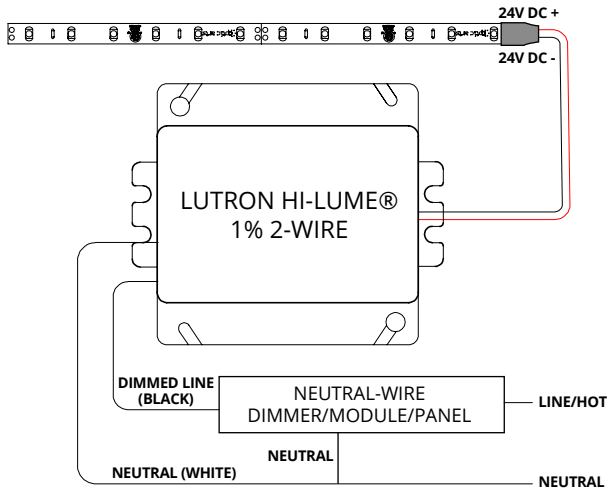
BLUE WIRE TO LED -
YELLOW WIRE TO LED +

NITELIGHT™ CLOSET ROD

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COMPATIBLE DRIVERS

DIMMER WITH NEUTRAL



LUTRON HI-LUME® 1% 2-WIRE (LN2):
2-WIRE CONTROL FORWARD PHASE

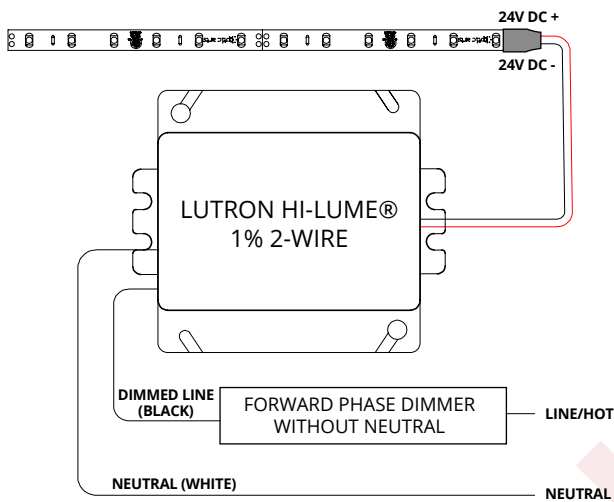


PART	DESCRIPTION
LTEA4U1UKL-CV240	5-40W, 120VAC, 2-WIRE FORWARD PHASE DRIVER

DIMENSIONS	
LUTRON HI-LUME® 1% 2-WIRE	H 4.00"; W 4.89"; D 2.62"

DIMMING PERFORMANCE	
LUTRON HI-LUME® 1% 2-WIRE	Dims to 1% with compatible Lutron controls

DIMMER WITHOUT NEUTRAL



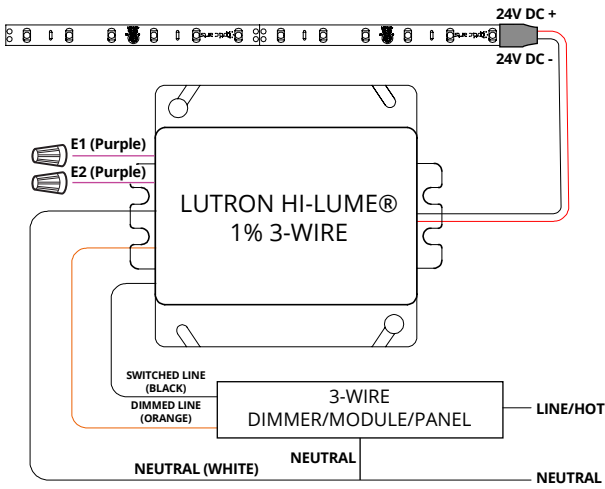
PRELIMINARY

NITELIGHT™ CLOSET ROD

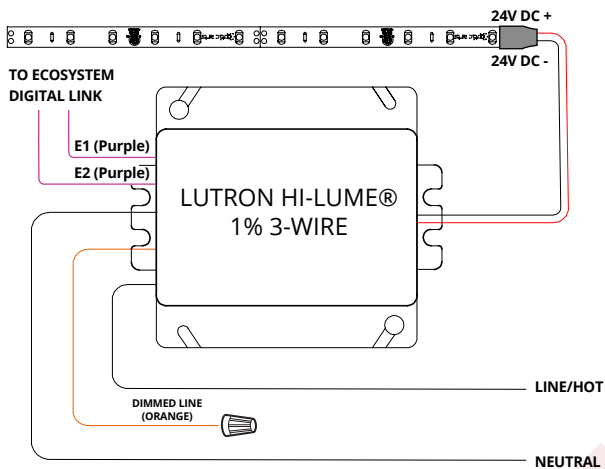
Specification Sheet

COMPATIBLE DRIVERS

3-WIRE



ECOSYSTEM



LUTRON HI-LUME® 1% (LN3):
3-WIRE/ECOSYSTEM



PART	DESCRIPTION
L3DA4U1UKL-CV240	5-40W, 120-277VAC, 3-WIRE/ECOSYSTEM DRIVER
DIMENSIONS	
LUTRON HI-LUME® 1% 3-WIRE/ ECOSYSTEM	H 4.00"; W 4.89"; D 2.62"
DIMMING PERFORMANCE	
LUTRON HI-LUME® 1% 3-WIRE/ECOSYSTEM	Dims to 1% with compatible Lutron controls

PRELIMINARY