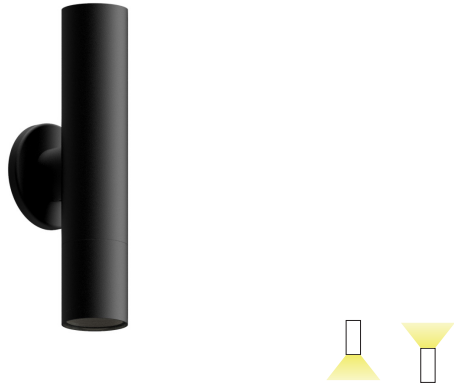




1" Wall Mount Cylinder, Direct or Indirect with Remote Driver



### Features

The FINCH family of cylinders with a 1" aperture, features exceptional output, flexibility, and a broad range of configurations to provide discreet quality illumination while integrating into the architecture. It is available in a fixed downlight, adjustable (with 50° tilt), wall mount and even exterior ground mount options. Whether installed on ceilings, walls/mullions or the ground, the FINCH family blends seamlessly into its surroundings.

The FINCH wall mount cylinder, 6" in length, offers up to 1000 lm output and has a choice of beveled front door options for additional shielding for the direct portion and a flush lens for the indirect portion, to prevent dust accumulation.

### Product Overview

- Type: Wall Mount, Direct or Indirect
- Wattage: 6W, 8W, 10W
- Color Temp: 2400K, 2700K, 3000K, 3500K, 4000K
- ORI: 80+ & 90+ typ.
- Dimming: 0-10V, DALI, TRIAC/ELV, Lutron

### PROJECT:

### TYPE:

### Performance Data

Watts	Lumens	LPW	CCT	ORI
6	643	102.1	3000K	80+
8	787	93.7	3000K	80+
10	927	88.3	3000K	80+

*Data is based on flood optic, standard bevel, 3000K, 80+, 120V IES files available on website*

### Electrical Data

	6W		8W		10W	
	Watts	Amps	Watts	Amps	Watts	Amps
120V	6.3	0.054	8.4	0.071	10.5	0.088
277V	6.7	0.034	8.6	0.038	10.7	0.044

*Electronic constant current LED driver*



**PROJECT:**







**TYPE:**

To Order, please specify both the light fixture and remote driver.

Fixture Example: FIN6-WD.10.309.WF.BT.GLD.DB.RC.SOL Remote Driver Example: FINPW.10.0-10V.MP

Fixture Example: FIN6-WI.10.309.WF.BT.SBX.RC.SOL

**STEP 1: 1" Wall Mount Direct or Indirect (with Remote Driver) Ordering Information**

1	2	3	4	5	6	7	8	9
<b>1 Model</b>	<b>2 Wattage</b>	<b>3 Color Temp and CRI</b>	<b>4 Beam Spreads</b>	<b>5 Body Finish</b>				
<b>FIN6-WD</b> 6" wall mount, direct  <b>FIN6-WI</b> 6" wall mount, indirect	<b>6</b> 6W (643 lm) <b>8</b> 8W (787 lm) <b>10</b> 10W (927 lm)	<b>30</b> 3000K, 80+ <b>35</b> 3500K, 80+ <b>40</b> 4000K, 80+ <b>249</b> 2400K, 90+ <b>279</b> 2700K, 90+ <b>309</b> 3000K, 90+ <b>359</b> 3500K, 90+ <b>409</b> 4000K, 90+	<b>SP</b> spot 15° <b>FL</b> flood 28° <b>WF</b> wide flood 35° <b>VWF</b> very wide flood 50°	<b>WT</b> white texture  <b>BT</b> black texture  <b>SLV</b> matte silver  <b>BRZ</b> bronze  <b>DBZ</b> dark bronze   <i>For custom RAL finish, consult factory</i>				
<b>6 Bevel Finish</b>	<b>7 Door Style</b>	<b>8 Mounting</b>	<b>9 Accessories</b>					
<u>Direct</u> <b>MW</b> matte white  <b>MB</b> matte black  <b>SLV</b> matte silver  <b>BRZ</b> bronze  <b>DBZ</b> dark bronze  <b>GLD</b> gold   <i>For custom RAL finish, consult factory. Omit from nomenclature when ordering direct GLOW door style.</i>  <u>Indirect</u> <i>Finish to match body finish, omit from nomenclature.</i>	<u>Direct</u> <b>SB</b> standard bevel (1/4" recess) <b>DB</b> deep bevel (5/8" recess) <b>GLOW</b> frosted glow lens (1/2" drop)  <u>Indirect</u> <b>SBX</b> standard bevel with flush lens <b>GLOW</b> frosted glow lens (1/2" height)	<b>MUL</b> mullion mount (Ø2") <b>C</b> canopy (Ø5") <b>RC</b> reduced canopy (Ø3-1/2") <b>CDC</b> conduit canopy (Ø4-1/8")	<b>SOL</b> solite lens <b>HEX</b> hexocell louver <b>LS</b> linear spread lens					

**STEP 2: Remote Driver Ordering Information**

Remote driver enclosures can be provided by others or can be specified below to your project requirements. Amerlux offers a mounting plate for each remote driver with accessories for mounting in enclosure by others, or a single remote box for one driver, or a single remote box that can fit two drivers. Electrical Contractor (EC) is responsible for adherence to all local codes.

**FINPW**

1	2	3	4
<b>1 Model</b>	<b>2 Wattage</b>	<b>3 Drivers/Controls</b>	<b>4 Driver Enclosure</b>
FINPW	<b>6</b> 6W (643 lm) <b>8</b> 8W (787 lm) <b>10</b> 10W (927 lm)	<b>0-10V</b> 0-10V dimming, 1%, 120/277VAC <b>DALI</b> DALI dimming, 1%, 120/277VAC <b>LE/TE</b> TRIAC/ELV dimming, 5%, 120/277VAC <b>HILUME-H-ECO</b> Lutron LDE1 Hi-lume® 1% Soft-On/ Fade-to-Black, 120/277VAC ( <b>10W only</b> )	<b>MP</b> mounting plate <b>RBX</b> remote box (1 driver) <b>RBX2</b> remote box (2 drivers)  <i>Note: One wattage &amp; dimming protocol per box.</i>

For enclosure drawings & wiring schematics, see pages 6-8.

**PROJECT:**

**TYPE:**

**Specifications**

**Application**

Retail, commercial and hospitality wall mounted accent lighting

**Finish**

Powder coat paint  
Consult factory for custom finishes

**Construction**

Extruded aluminum precision machined body, door & heatsink

**Mounting**

Wall mount

**Optical**

TIR optics  
Beam Spreads: Spot 15°, Flood 28°, Wide Flood 35°, Very Wide Flood 50°

**Certifications**

CSA tested to UL standards  
Indoor use only  
Damp location

**LED**

Color Temp: 2400K, 2700K, 3000K, 3500K, 4000K  
CRI: 80+ & 90+ typ.  
R9 Values: 11 (83 CRI), 55 (92 CRI)  
Binning: 3 MacAdam (SDCM)  
Life: 50,000+ hrs, > 70% of initial lumens at 50,000 hrs

**Warranty**

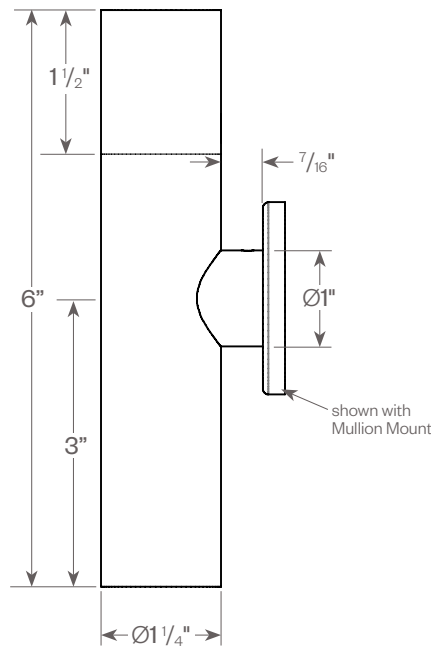
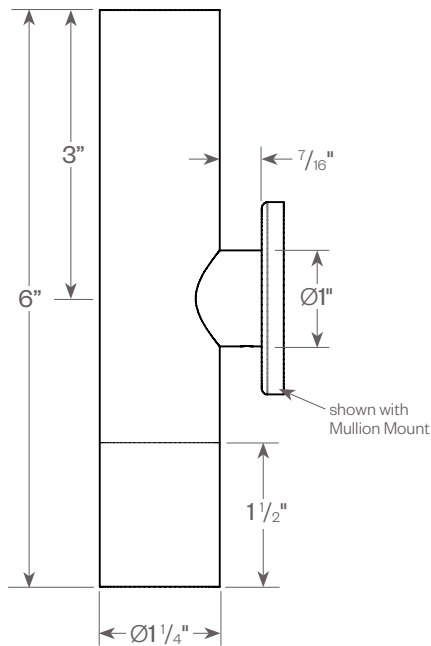
5 year limited warranty

**Electrical**

This product complies with IEEE C62.41 for surge endurance up to 2.5KV. Amerlux® recommends using additional surge protection with this unit (supplied by others), surge and over voltage damage is not covered under warranty.

**FIN6-WD**

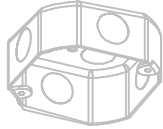
**FIN6-WI**



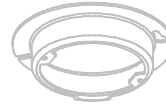
**PROJECT:**

**TYPE:**

**Junction Box Mounting Requirements**



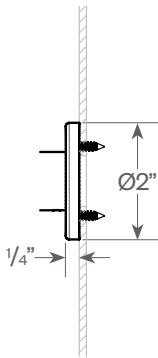
Canopy (C) & Conduit Canopy (CDC) Mounts Require 4" Octagonal Junction Box (by others)



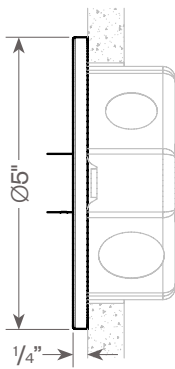
Reduced Canopy (RC) Mounts also Require Raised Cover (by others) for 4" Octagonal Junction Box

**Mounting Options**

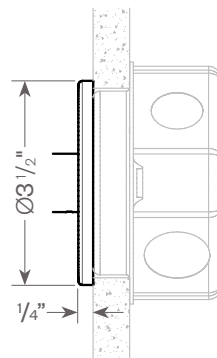
Mullion Mount



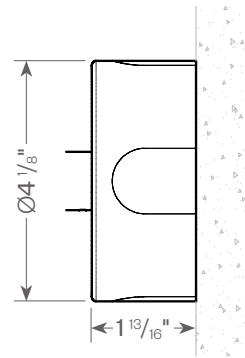
Canopy Mount



Reduced Canopy Mount



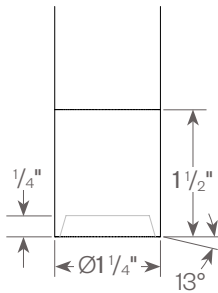
Conduit Canopy Mount



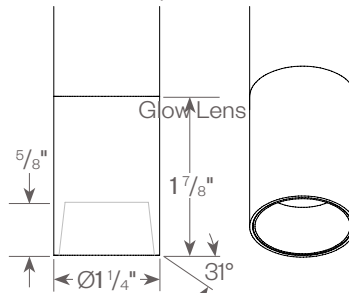
**Door Styles**

Direct

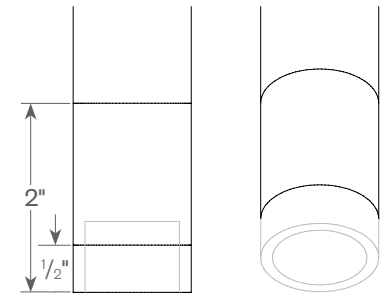
Standard Bevel (SB)



Deep Bevel (DB)

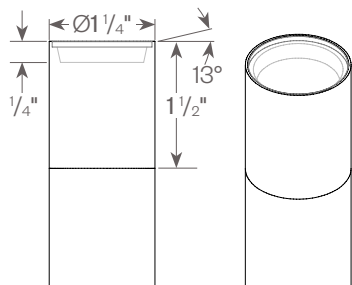


Glow Lens

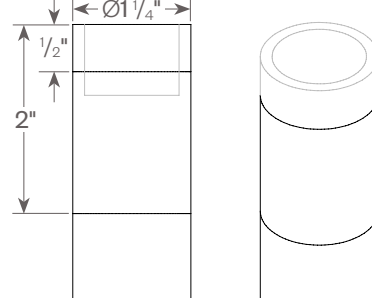


Indirect

Standard Bevel with flush lens (SBX)



Glow Lens



**Finish Options**

Powder coat paint. Consult factory for custom finishes.



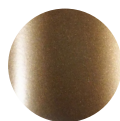
Matte Black



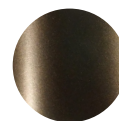
Matte White



Matte Silver



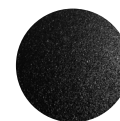
Bronze



Dark Bronze



White Texture



Black Texture



Gold  
Available for  
Bevel Finish only

**PROJECT:**

**TYPE:**

**Fixture Data**

**MULTIPLYING FACTORS:**

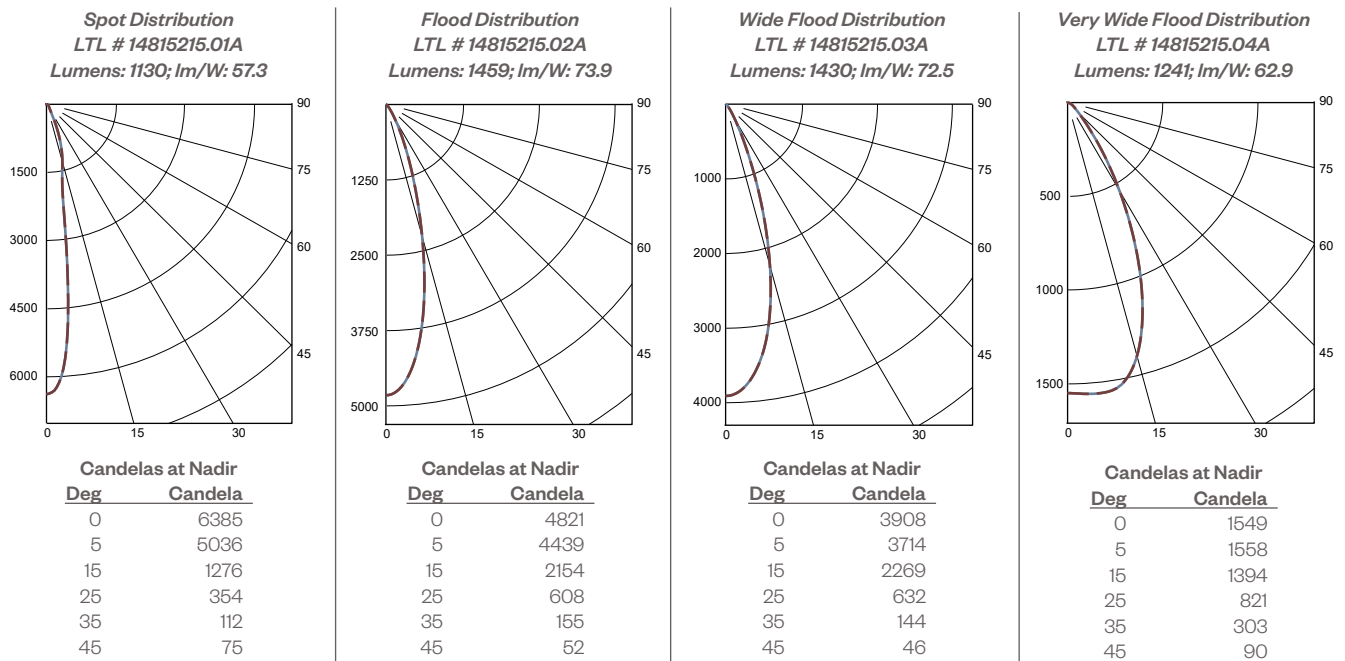
Wattage:	6W	8W	10W	20W
Factor:	0.44	0.54	0.64	1.0

\* Multiplying factors based on IES 20W tested fixture. 20W is not available for this fixture type.

CCT:	3000K, 80+	3500K, 80+	4000K, 80+	2400K, 90+	2700K, 90+	3000K, 90+	3500K, 90+	4000K, 90+
Factor:	1.0	1.04	1.06	0.76	0.83	0.88	0.92	0.93

Multiplying Factor is based on 3000K, 80+ 120V IES file on website.

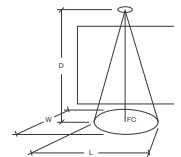
**20W, Direct, Standard Bevel, 3000K, 80+**



**Application Data:**

**Notes and Definitions:**

Beam spread is to 50% center beam candlepower (CBCP).  
**D**=Distance to floor or wall.  
**FC**=Footcandles on floor or wall at center beam aiming location.  
**L**=Effective Visual Beam length in feet (50% of maximum footcandle level).  
**W**=Effective Visual Beam width in feet (50% of maximum footcandle level).  
**CB**=Distance across or down to center beam location.



**Spot**

0° Aiming Angle  
Horizontal  
Footcandles

D	FC	L	W
5.0'	158	1.9	1.9
7.5'	91	2.5	2.5
10.0'	57	3.0	3.0
12.5'	38	3.5	3.5

**Flood**

0° Aiming Angle  
Horizontal  
Footcandles

D	FC	L	W
5.0'	178	2.6	2.6
7.5'	85	3.6	3.6
10.0'	49	4.7	4.7
12.5'	31	5.8	5.8

**Wide Flood**

0° Aiming Angle  
Horizontal  
Footcandles

D	FC	L	W
5.0'	138	3.0	3.0
7.5'	66	4.3	4.3
10.0'	38	5.6	5.6
12.5'	25	7.0	7.0

**Very Wide Flood**

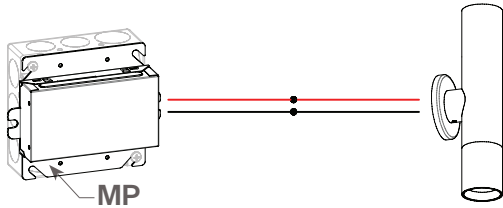
0° Aiming Angle  
Horizontal  
Footcandles

D	FC	L	W
5.0'	61	4.2	4.2
7.5'	27	6.3	6.3
10.0'	16	8.4	8.4
12.5'	10	10.6	10.6

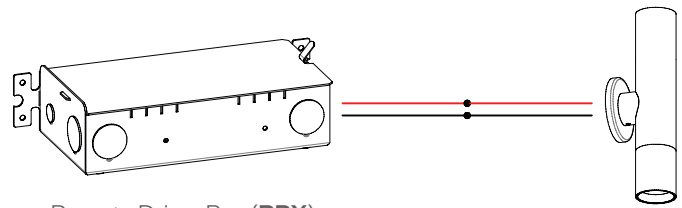
PROJECT:

TYPE:

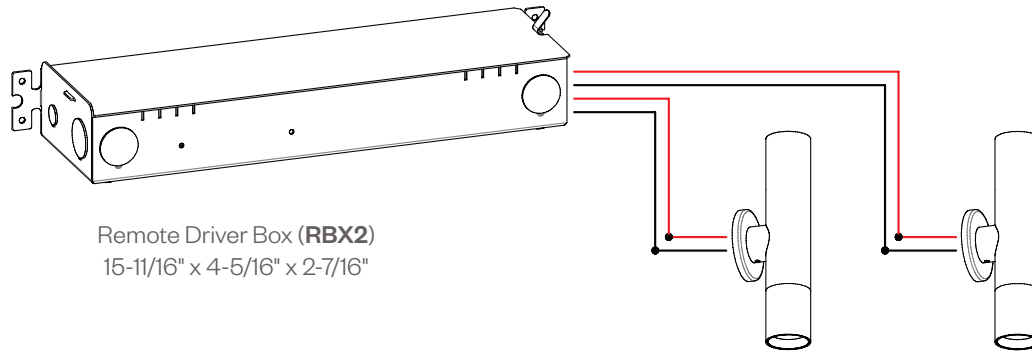
**Power Supply Options for Remote Driver**



Remote Driver with Mounting Plate  
4" Square Junction Box (by others)



Remote Driver Box (RBX)  
9-11/16" x 4-5/16" x 2-7/16"



Remote Driver Box (RBX2)  
15-11/16" x 4-5/16" x 2-7/16"

**Please see the example below when choosing the remote driver mounting or enclosure.**

With 10 Finch Cylinders, (fixed, adjustable, Wall Direct or Indirect) would be: 10 FINPW-**MP**, or 10 FINPW-**RBX1**, or 5 FINPW-**RBX2**

**PROJECT:**

**TYPE:**

**Dimming Compatibility**

Amerlux<sup>®</sup> Finch fixtures are compatible with all major dimming protocols prevalent in the United States. Please see below for general compatibilities and wiring diagrams. Amerlux recommends testing your unique dimming configuration as the exact full configuration (Dimmer, Fixture Quantity, Voltage, etc) may affect dimming performance.

**--- NOTE: INFORMATION BELOW IS FOR WIRED DIMMERS ONLY. FOR WIRELESS DIMMERS, CONSULT FACTORY ---**

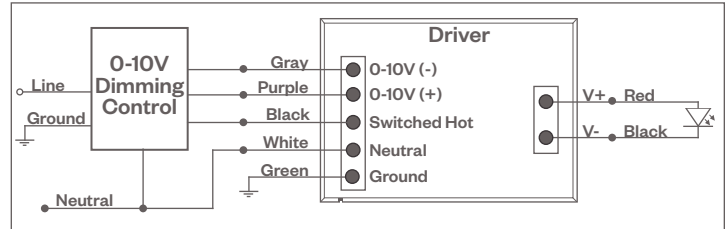
**0-10V - DIMMING**

Integrates into a variety of building management and daylighting controls

**Notes:**

- 120VAC or 277VAC
- Dims down to 1% light output
- Requires interface to turn off power to driver
- Consult Dimming manufacturer for installation instructions - DO NOT SHARE NEUTRALS!

**0-10V Wiring Diagram**



**Compatible Dimmers\*:**

Wall Box	Central System
Lutron "Diva" - DVSTV	Lutron Grafik Eye with GRX-TV1 Interface
Leviton Renoir II 0-10V	

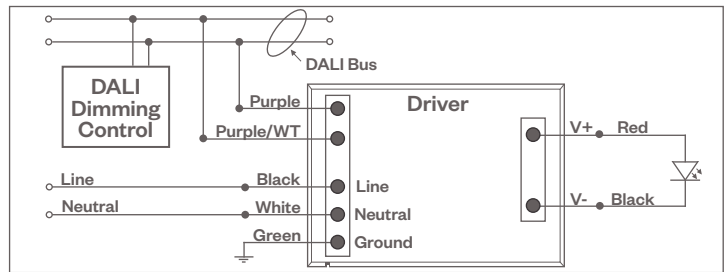
**DALI DIMMING**

Digital control protocol allows individual fixture control

**Notes:**

- 120VAC or 277VAC
- Dims down to 1% light output in most cases

**DALI Wiring Diagram**



**Compatible Dimmers\*:**

Wall Box (3-Wire Fluorescent)	Central System
Leviton CD250 Controller	Dynalite
	Fifth Light

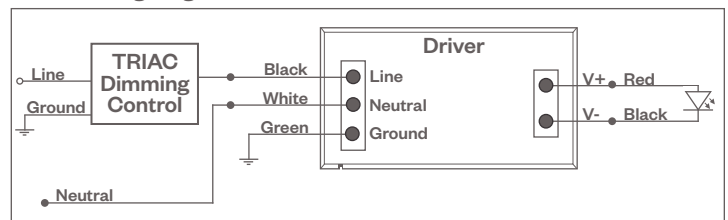
**TRIAC (Forward Phase) DIMMING (Standard)**

Utilizes standard TRIAC dimmers that are in wide use in installations across the US. Best for retrofit applications where TRIAC dimmers are installed.

**Notes:**

- 120VAC or 277VAC\*
- Dims down to 5% light output (most cases)
- Consult Dimming manufacturer for installation instructions - DO NOT SHARE NEUTRALS!
- Must meet dimmer Minimum Load Requirements per dimming manufacturer

**TRIAC Wiring Diagram**



**Compatible Dimmers\*:**

Wall Box (TRIAC 120VAC)	Central System
Lutron "Diva"	Lutron "GP" Panel
Lutron "Nova-T"	Lutron Grafik Eye QS
Lutron "Maestro"	
Lutron "Skylark"	

**Notes:**

\* Driver is 277VAC dimmable with appropriate dimmer (by others). All provided wiring diagrams show 120VAC wiring colors and method. Please refer to 277VAC dimmer manufacturer installation instructions for 277VAC wiring diagrams.

† The absence of a dimmer from the lists above does not imply incompatibility. Please consult factory for compatibility inquiries.

**PROJECT:**

**TYPE:**

**Dimming Compatibility** (continued)

Amerlux<sup>®</sup> Finch fixtures are compatible with all major dimming protocols prevalent in the United States. Please see below for general compatibilities and wiring diagrams. Amerlux recommends testing your unique dimming configuration as the exact full configuration (Dimmer, Fixture Quantity, Voltage, etc) may affect dimming performance.

**--- NOTE: INFORMATION BELOW IS FOR WIRED DIMMERS ONLY. FOR WIRELESS DIMMERS, CONSULT FACTORY ---**

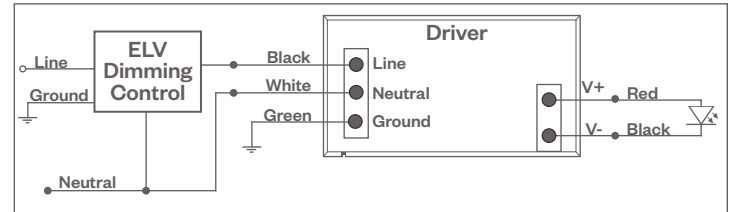
**ELV - Electronic Low Voltage (Reverse Phase) DIMMING**

Utilizes specialized "ELV" dimmers.

**Notes:**

- 120VAC or 277VAC\*
- Dims down to 5% light output (most cases)
- Consult Dimming manufacturer for installation instructions - DO NOT SHARE NEUTRALS!
- Must meet dimmer Minimum Load Requirements

**ELV Wiring Diagram**



**Compatible Dimmers\*:**

Wall Box (ELV 120VAC)	Wall Box (ELV 277VAC)	Central System
Lutron "Diva"	Leviton Revoir II AWSMT-E	Lutron "GP" Panel with PPHM-PA 120/277VAC
Lutron "Nova-T"		Lutron Grafik Eye QS with PPHM-PA 120/277VAC
Lutron "Maestro"		
Lutron "Skylark"		
Leviton "Surslide"		
Leviton "Vizio"		

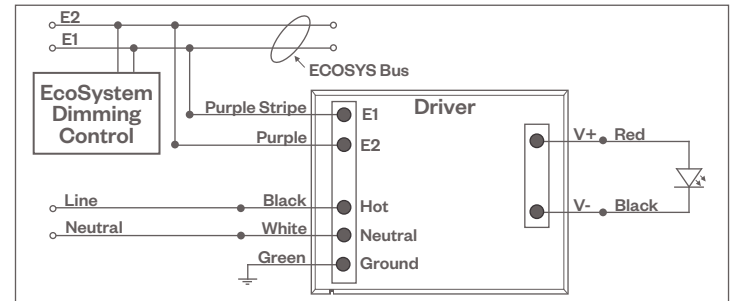
**LUTRON LDE1 DIMMING**

Integrates into Lutron EcoSystem building management

**Notes:**

- 120VAC or 277VAC\*
- Dims down to 1% Soft-On/Fade-to-Black
- EcoSystem Control
- Consult Dimming manufacturer for installation instructions - DO NOT SHARE NEUTRALS!

**Lutron LDE1 (HILUME-H-ECO) EcoSystem Digital Control Wiring Diagram**



**Compatible Dimmers\*:**

Lutron ECO System	Central System
Pow Pak Dimming Modules	Lutron EcoSystem compatible controls
Energi Savr Node	
Grafik Eye QS/Homeworks	
QS Control Unit	
Quantum Hub	
Homeworks QS/My Room	

**Notes:**

- \* Driver is 277VAC dimmable with appropriate dimmer (by others). All provided wiring diagrams show 120VAC wiring colors and method. Please refer to 277VAC dimmer manufacturer installation instructions for 277VAC wiring diagrams.
- † The absence of a dimmer from the lists above does not imply incompatibility. Please consult factory for compatibility inquiries.