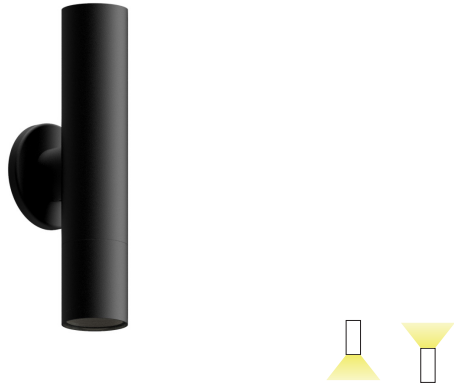




1" Wall Mount Cylinder,  
Direct or Indirect



### 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: 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 optics, 120V, 3000K, 80+ 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

**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>6 Bevel Finish</b>	<b>7 Door Style</b>	<b>8 Mounting</b>	<b>9 Accessories</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>27</b> 2700K, 80+ <b>30</b> 3000K, 80+ <b>35</b> 3500K, 80+ <b>40</b> 4000K, 80+ <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>Direct</b> <b>MW</b> matte white  <b>MB</b> matte black  <b>SLV</b> matte silver  <b>BRZ</b> bronze  <b>DBZ</b> dark bronze   <i>For custom RAL finish, consult factory</i> <b>GLD</b> custom gold  <b>Indirect</b> Finish to match body finish	<b>Direct</b> <b>SB</b> standard bevel (1/4" recess) <b>DB</b> deep bevel (5/8" recess) <b>Indirect</b> <b>SBX</b> standard bevel with flush lens	<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> hexcell louver <b>LS</b> linear spread lens

**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 Options</b>
<b>FINPW</b>	<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"H" Series, EcoSystem, 1% dim with soft on & fade to black, 120/277VAC	<b>MP</b> mounting plate (standard) <b>RBX</b> remote box (1 per driver) <b>RBX2</b> remote box (1 per 2 drivers)  <i>Note: One wattage &amp; dimming protocol per box.</i>

For enclosure drawings & wiring schematics, see pages 7-10. For Fixture with Integral Driver ordering, see page 3.












**PROJECT:**

**TYPE:**

To Order, please specify both the light fixture and transformer.

Fixture Example: FIN9-SMF-48V.12.309.WF.BT.GLD.DB.RC.0-10V.SOL      Transformer Example: TR-48V100W

**1" Wall Mount Direct or Indirect (with 48V Constant Voltage Integral Driver) Ordering Information**

1	2	3	4	5	6	7	8	9	10
<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-48V</b> 6" wall mount, direct  <b>FIN6-WI-48V</b> 6" wall mount, indirect	<b>6</b> 6W (643 lm) <b>8</b> 8W (787 lm)  <b>10</b> 10W (927 lm)	<b>27</b> 2700K, 80+ <b>30</b> 3000K, 80+ <b>35</b> 3500K, 80+ <b>40</b> 4000K, 80+ <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 Drivers/Controls</b>	<b>10 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   <i>For custom RAL finish, consult factory</i> <b>GLD</b> custom gold  <u>Indirect</u> Finish to match body finish	<u>Direct</u> <b>SB</b> standard bevel (1/4" recess)  <b>DB</b> deep bevel (5/8" recess)  <u>Indirect</u> <b>SBX</b> standard bevel with flush lens	<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>0-10V</b> 0-10V, 1% dim <b>DALI</b> DALI, 1% dim	<b>SOL</b> solite lens <b>HEX</b> hexocell louver <b>LS</b> linear spread lens					

**Transformer Ordering Information (to power Integral driver)**

Amerlux offers 100W 48V DC constant current transformers with enclosure.

**TR-48V100W**

1
<b>1 Model</b>
<b>TR-48V100W</b> 100W, 48V transformer with enclosure, 120/277V input

For enclosure drawings & wiring schematics, see pages 7-10. For Fixture with Remote Driver ordering, see page 2.

**PROJECT:**

**TYPE:**

**Specifications**

**Application**

Retail, commercial and hospitality wall mounted accent lighting

**Construction**

Extruded aluminum precision machined body, door & heatsink

**Optical**

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

**LED**

Color Temp: 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

**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.**

**Finish**

Powder coat paint  
*Consult factory for custom finishes*

**Mounting**

Wall mount

**Certifications**

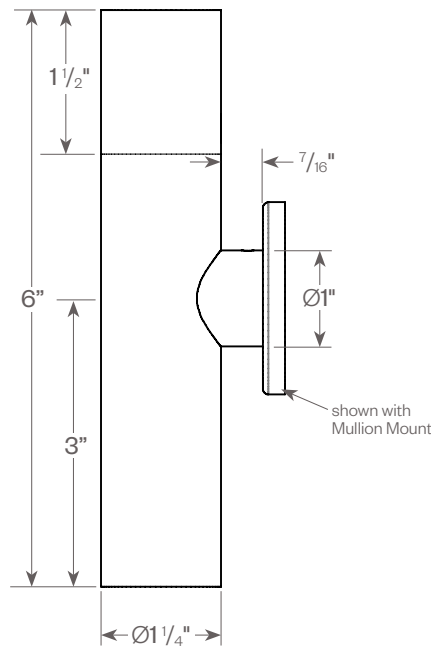
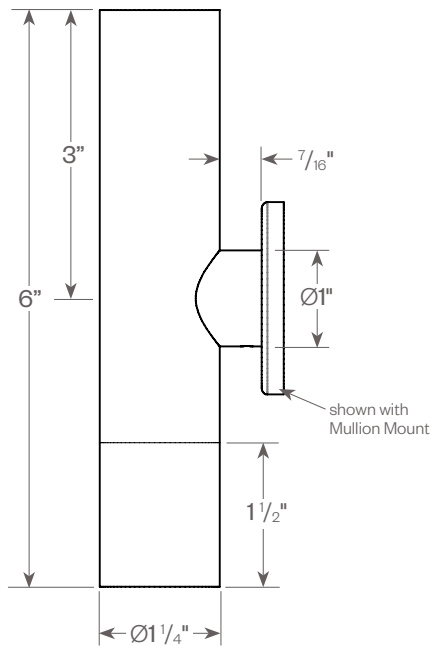
CSA tested to UL standards  
Indoor use only  
Damp location

**Warranty**

5 year limited warranty

**FIN6-WD**

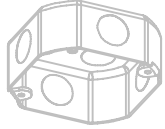
**FIN6-WI**



PROJECT:

TYPE:

### Junction Box Mounting Requirements



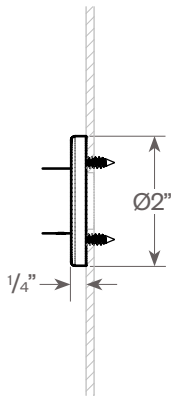
Canopy (C) & Conduit Canopy (CDC) Mounts  
Require 4" Octagonal Junction Box (by others)



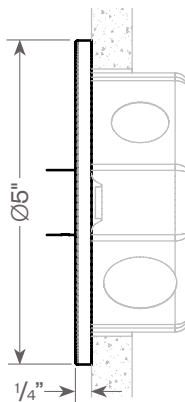
Reduced Canopy (RC) Mounts also  
Require Raised Cover (by others) for  
4" Octagonal Junction Box

### Mounting Options

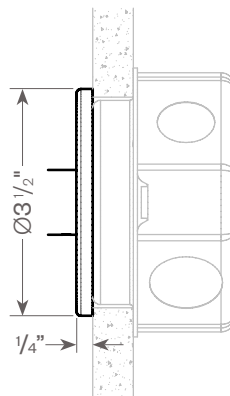
Mullion Mount



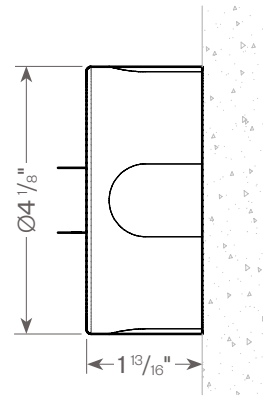
Canopy Mount



Reduced Canopy Mount

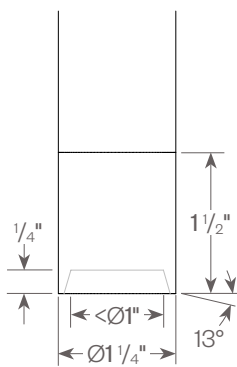


Conduit Canopy Mount

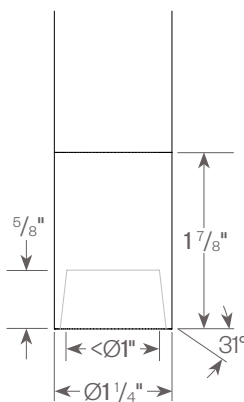
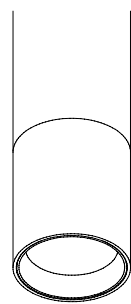


### Door Styles

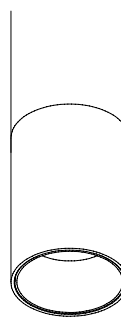
Direct



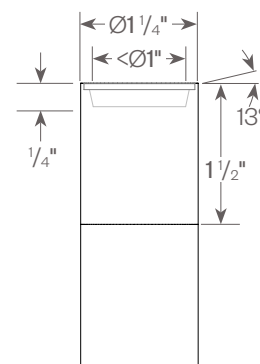
Standard Bevel (SB)



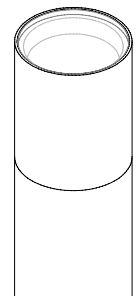
Deep Bevel (DB)



Indirect



Standard Bevel with flush lens (SBX)



### Finish Options

Powder coat paint.

Consult factory for custom finishes.



Matte Black



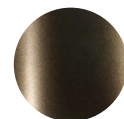
Matte White



Matte Silver



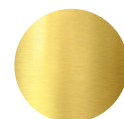
Bronze



Dark Bronze



Black Texture



Premium Color

Custom Gold

Available for Bevel Finish only

**PROJECT:**

**TYPE:**

**Fixture Data**

**MULTIPLYING FACTORS:**

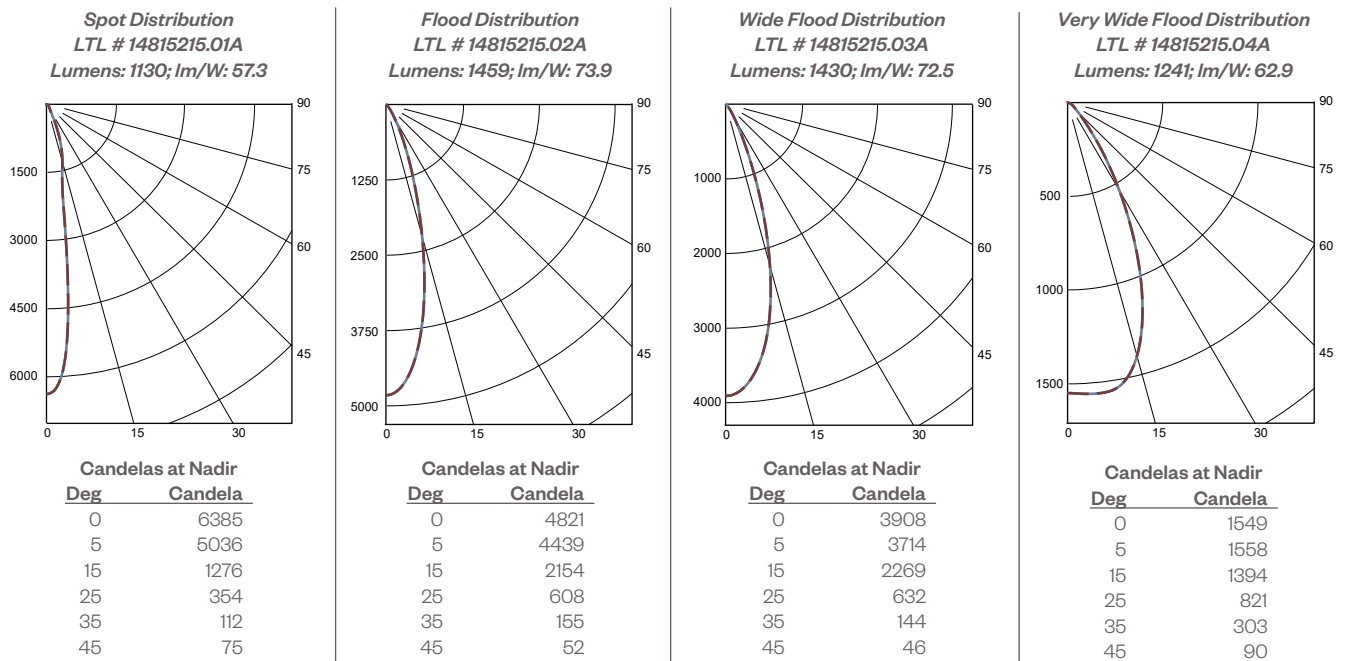
Wattage:	6W	8W	10W	20W
Factor:	0.44	0.54	0.64	1.0

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

CCT:	2700K, 80+	3000K, 80+	3500K, 80+	4000K, 80+	2700K, 90+	3000K, 90+	3500K, 90+	4000K, 90+
Factor:	0.96	1.0	1.04	1.06	0.83	0.88	0.92	0.93

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

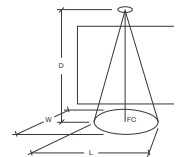
**20W, Direct, Standard Bevel, 3000K, 80+**



**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**

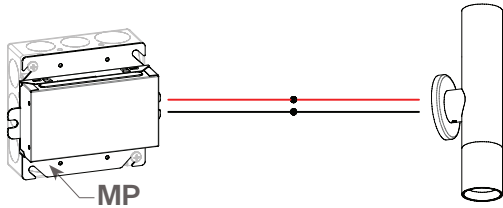
0° Aiming Angle  
Horizontal  
Footcandles

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

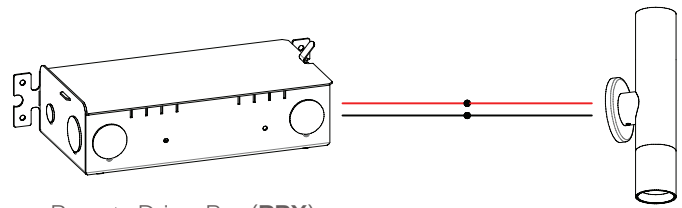
PROJECT:

TYPE:

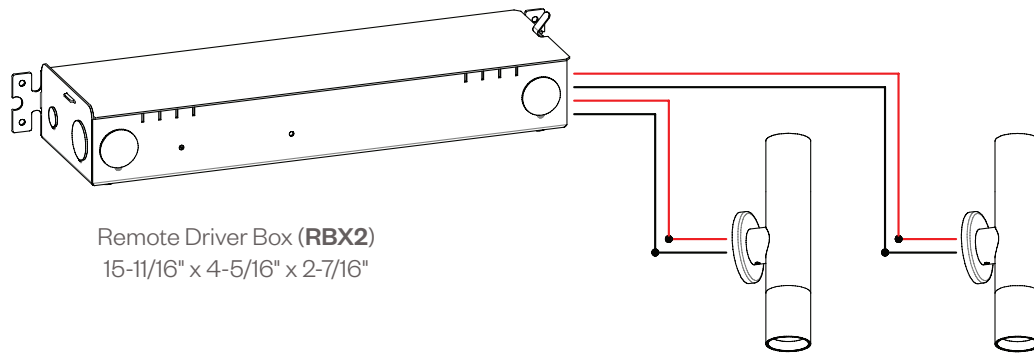
**Power Supply Options for Remote Driver**



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"



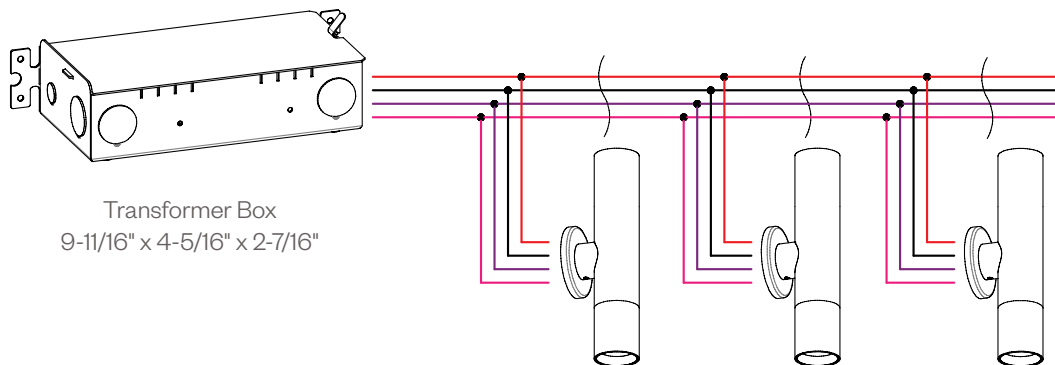
Remote Driver Box (RBX2)  
15-11/16" x 4-5/16" x 2-7/16"

**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

**Power Supply Options for Integral Driver**

TR-48V100W 100W, 48V transformer with enclosure, 120/277V input



Transformer Box  
9-11/16" x 4-5/16" x 2-7/16"

**PROJECT:**

**TYPE:**

**DIMMING COMPATIBILITY:**

Amerlux® 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 ---**

**FOR REMOTE DRIVER OPTION**

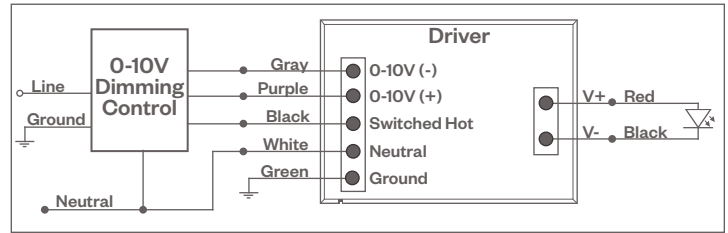
**0-10V - DIMMING**

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**

Lutron "Diva" - DTVV with PP-120H Interface

Leviton Renoir II 0-10V

**Central System**

Lutron Grafik Eye with GRX-TVI Interface

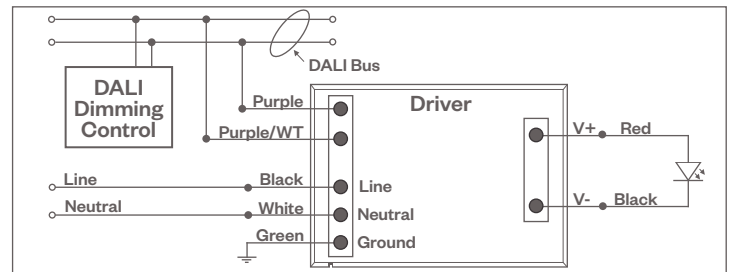
**DALI DIMMING**

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)**

Leviton CD250 Controller

**Central System**

Dynalite  
Fifth Light

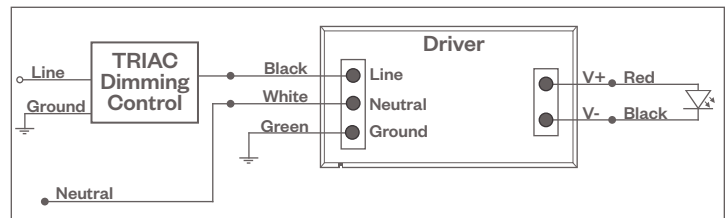
**TRIAC (Forward Phase) DIMMING (Standard)**

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)**

Lutron "Diva"  
Lutron "Nova-T"  
Lutron "Maestro"  
Lutron "Vareo"  
Lutron "Skylark"

**Central System**

Lutron "GP" Panel  
Lutron Grafik Eye QS

**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:**

Amerlux® 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 ---**

**FOR REMOTE DRIVER OPTION**

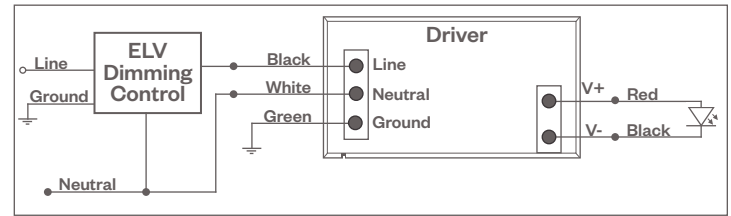
**ELV - Electronic Low Voltage (Reverse Phase) DIMMING**

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 PHPM-PA 120/277VAC
Lutron "Nova-T"		Lutron Grafik Eye QS with PHPM-PA 120/277VAC
Lutron "Maestro"		
Lutron "Vareo"		
Lutron "Skylark"		
Leviton "Surslide"		
Leviton "Vizio"		

**LUTRON HI-LUME ECOSYSTEM DIMMING**

Integrates into Lutron EcoSystem building management

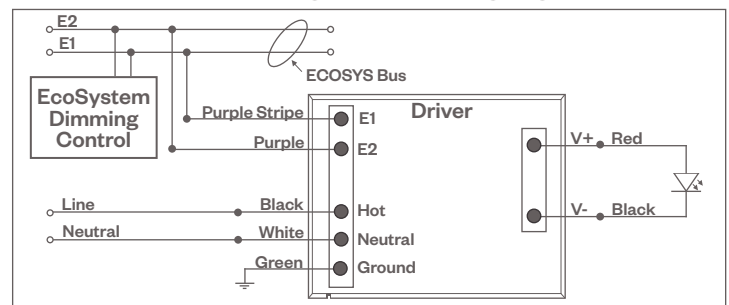
**Notes:**

- 120VAC or 277VAC\*
- Dims down to 1% light output
- EcoSystem Control
- Consult Dimming manufacturer for installation instructions - DO NOT SHARE NEUTRALS!

**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	

HILUME-H-ECO EcoSystem Digital Control Wiring Diagram



**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:**

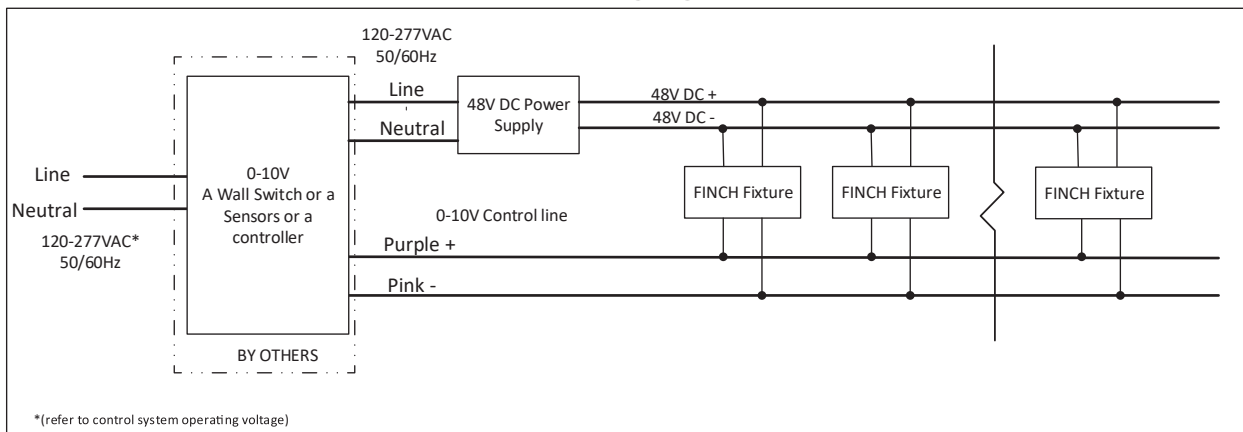
Amerlux® Finch fixtures are compatible with all major dimming protocols prevalent in the United States. Please see below for general compatibilities and wiring diagrams. Amerlux recommends testing your unique dimming configuration as the exact full configuration (Dimmer, Fixture Quantity, Voltage, etc)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

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

**FOR INTEGRAL DRIVER OPTION (fed by 48V DC Power Supply/Transformer)**

**0-10V - DIMMING** Integrates into a variety of building management and daylighting controls

**0-10V Wiring Diagram**



**Notes:**

- Dims down to 1% light output
- Consult dimming control manufacturer for the operational and installation instructions - DO NOT SHARE NEUTRALS

**Compatible Dimmers\*:**

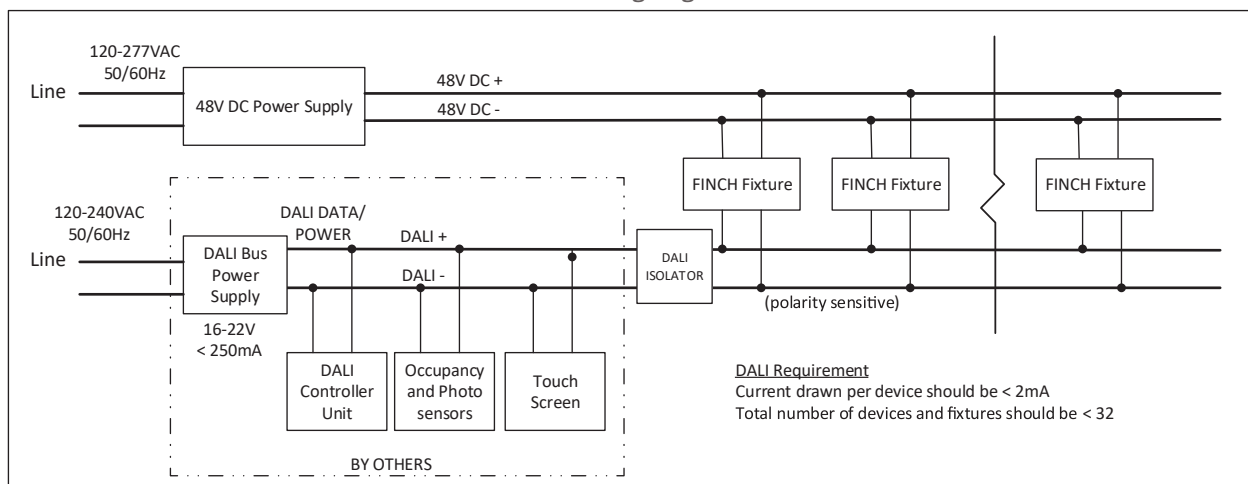
**Wall Box**  
Lutron "Diva" - v with PP-120H Interface  
Leviton Renoir II 0-10V

**Central System**

Lutron Grafik Eye with GRX-TVI Interface

**DALI DIMMING** Digital control protocol allows individual fixture control

**DALI Wiring Diagram**



**Suggested Switches for Wired Connection:**

Manufacturer	Model	
Loytec DALI PSU	L-DALI-PWR2-U	DALI Bus Power Supply, 85-240VAC input, 2 channel DALI PSU, 116mA per channel
Loytec Controller	L-DALI-ME204-U	DALI Controller, 4 channel DALI
Loytec Controller	L-DALI-ME201-U	DALI Controller, 1 DALI channel with integrated DALI power supply
B.E.G	PP-DALI-PS	DALI Bus Power Supply, 120-277VAC input, 100mA bus power