



1" Wall Mount Cylinder,  
Direct/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 direct/indirect cylinder, 6" in length, offers up to 800 lm output for both direct and indirect, 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 dirt accumulation.

## Product Overview

|             |                                   |
|-------------|-----------------------------------|
| Type:       | Wall Mount, Direct/Indirect       |
| Wattage:    | 12W, 16W                          |
| Color Temp: | 2400K, 2700K, 3000K, 3500K, 4000K |
| CRI:        | 80+ & 90+ typ.                    |
| Dimming:    | 0-10V, DALI, TRIAC/ELV            |

PROJECT:

TYPE:

## Performance Data

| Direct |        | Indirect |        | Total  | Total | CCT   | CRI |
|--------|--------|----------|--------|--------|-------|-------|-----|
| Watts  | Lumens | Watts    | Lumens | Lumens | LPW   |       |     |
| 6      | 643    | 6        | 643    | 1286   | 107.2 | 3000K | 80+ |
| 8      | 787    | 8        | 787    | 1574   | 98.4  | 3000K | 80+ |

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

## Electrical Data

|      | 6W/6W |       | 8W/8W |       |
|------|-------|-------|-------|-------|
|      | Watts | Amps  | Watts | Amps  |
| 120V | 12.6  | 0.108 | 16.8  | 0.142 |
| 277V | 13.4  | 0.068 | 17.2  | 0.076 |

Electronic constant current LED driver





**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: 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

**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

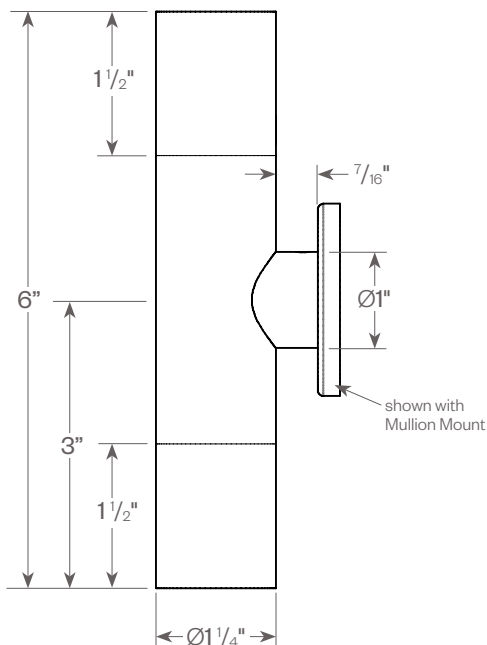
**Certifications**

CSA tested to UL standards  
Indoor use only  
Damp location

**Warranty**

5 year limited warranty

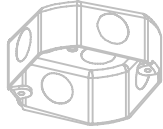
**FIN6-WDI**



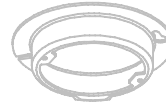
PROJECT:

TYPE:

### Junction Box Mounting Requirements



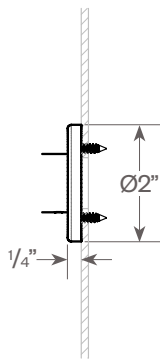
Canopy (C) & Conduit Canopy (CDC) Mounts  
Require 4" Octagonal Junction Box (by others)



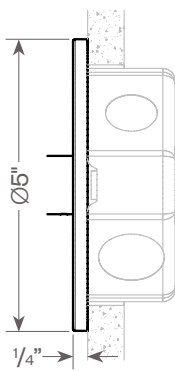
Reduced Canopy (RC) Mounts also  
Require Raised Cover (by others) for  
4" Octagonal Junction Box

### Mounting Options

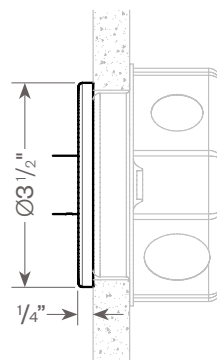
Mullion Mount



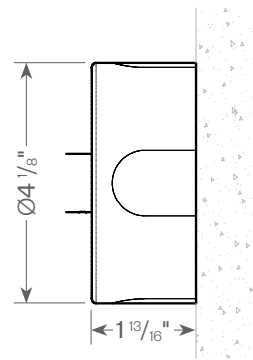
Canopy Mount



Reduced Canopy Mount



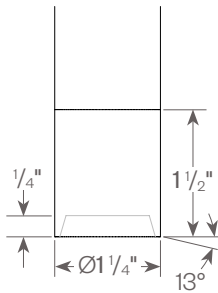
Conduit Canopy Mount



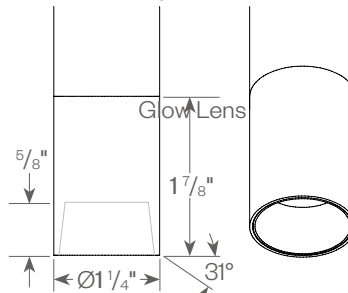
### Door Styles

Direct

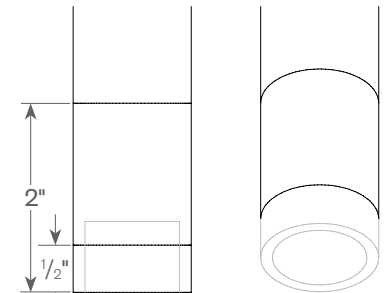
Standard Bevel (SB)



Deep Bevel (DB)

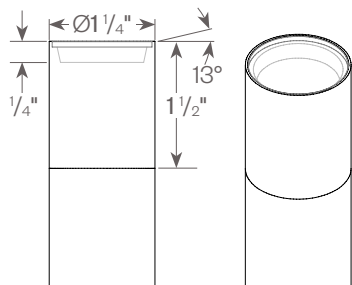


Glow Lens

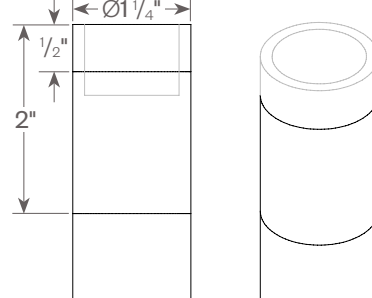


Indirect

Standard Bevel with flush lens (SBX)



Glow Lens



### Finish Options

Powder coat paint. Consult factory for custom finishes.



Matte Black



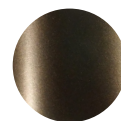
Matte White



Matte Silver



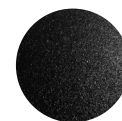
Bronze



Dark Bronze



White Texture



Black Texture



Gold  
Available for  
Bevel Finish only

**PROJECT:**

**TYPE:**

**Fixture Data**

**MULTIPLYING FACTORS:**

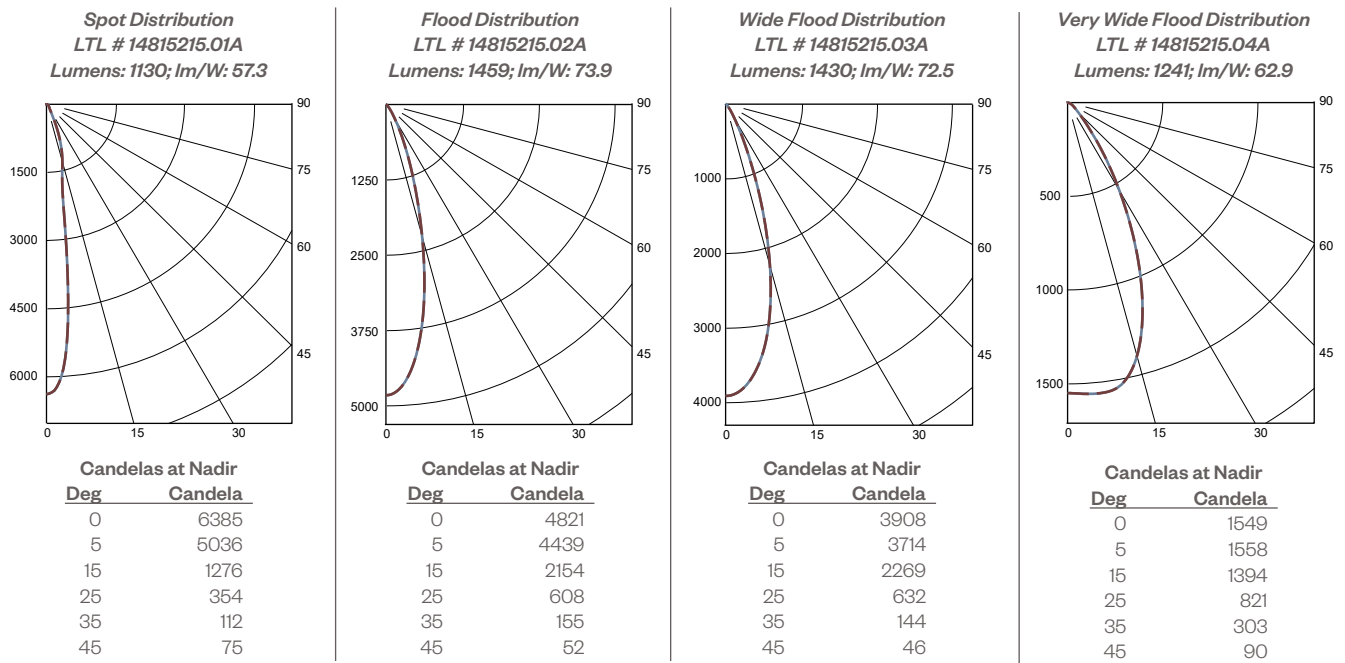
|                 |           |           |             |
|-----------------|-----------|-----------|-------------|
| <b>Wattage:</b> | <b>6W</b> | <b>8W</b> | <b>20W*</b> |
| Factor:         | 0.44      | 0.54      | 1.0         |

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

|             |                   |                   |                   |                   |                   |                   |                   |                   |
|-------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| <b>CCT:</b> | <b>3000K, 80+</b> | <b>3500K, 80+</b> | <b>4000K, 80+</b> | <b>2400K, 90+</b> | <b>2700K, 90+</b> | <b>3000K, 90+</b> | <b>3500K, 90+</b> | <b>4000K, 90+</b> |
| 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.

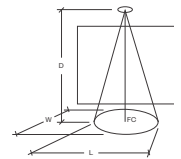
**20W, Direct, Standard Bevel, 3000K, 80+**



**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

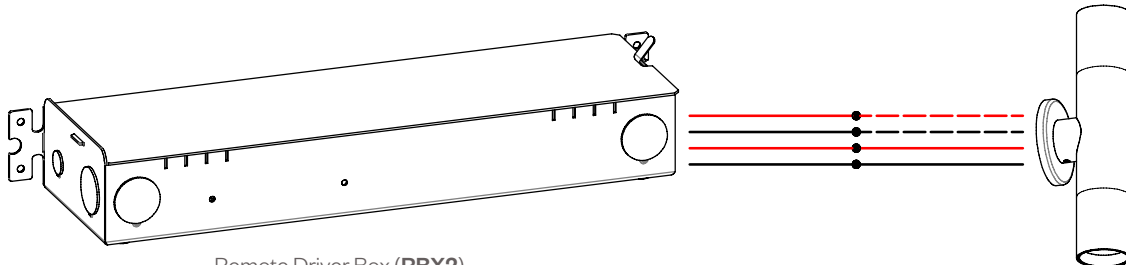
| D     | FC | L    | W    |
|-------|----|------|------|
| 5.0'  | 61 | 4.2  | 4.2  |
| 7.5'  | 27 | 6.3  | 6.3  |
| 10.0' | 16 | 8.4  | 8.4  |
| 12.5' | 10 | 10.6 | 10.6 |

PROJECT:

TYPE:

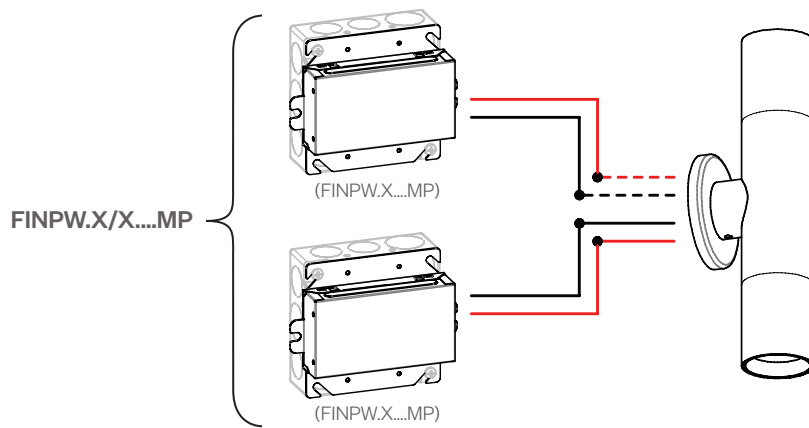
**Power Supply Options for Remote Driver**

Remote Box (RBX2)



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

Mounting Plate (MP)



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

**Note: Maximum remote wiring distance is 100 linear feet of 18 AWG wire and 50 linear feet of 22 AWG wire.**

**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 ---**

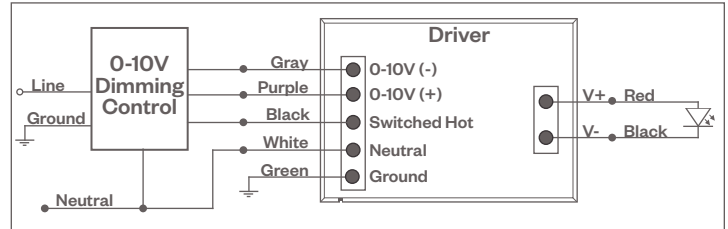
**0-10V - DIMMING**

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   Leviton Renoir II 0-10V | Lutron Grafik Eye with GRX-TVI Interface |

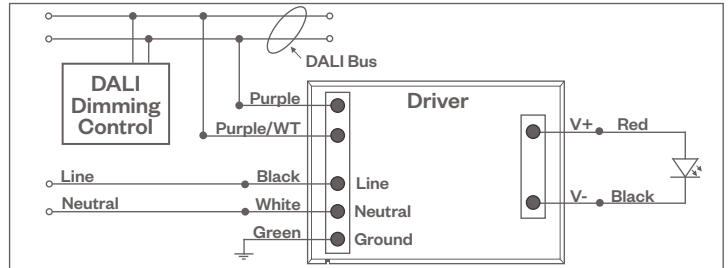
**DALI DIMMING**

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) | Central System          |
|-------------------------------|-------------------------|
| Leviton CD250 Controller      | Dynalite<br>Fifth Light |

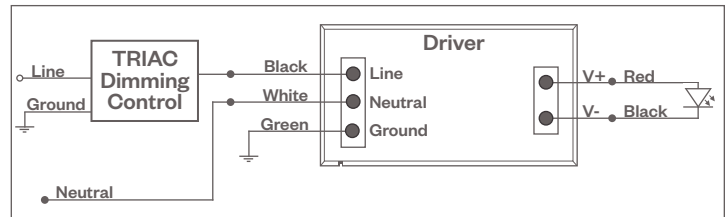
**TRIAC (Forward Phase) DIMMING (Standard)**

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® 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 ---**

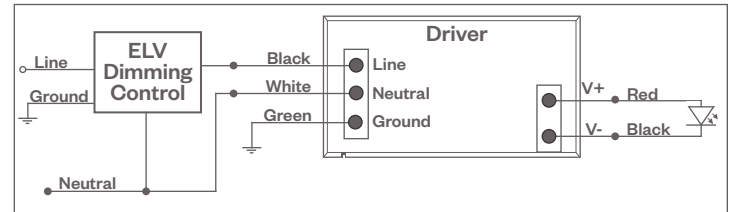
**ELV - Electronic Low Voltage (Reverse Phase) DIMMING**

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

**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.