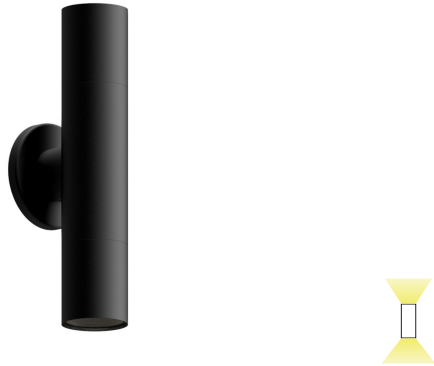




Exterior 1" Wall Mount Cylinder,
Direct/Indirect



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 Exterior wall mount fixture offers up to 1200 lumens with an option for either Integral or Remote driver. Fully sealed against the elements, this elegant cylinder offers a wide range of optics to provide the desired effects. Not only are the optics field replaceable, but optional accessories like hexcell louver or optical films can be installed or changed out as well.

Product Overview

Type: Exterior Wall Mount, Direct/Indirect
 Wattage: 6W/6W
 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+

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

Electrical Data

	6W/6W	
	Watts	Amps
120V	12.6	0.108
277V	13.4	0.068

Electronic constant current LED driver



PROJECT:

TYPE:






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

Fixture Example: FIN6X-WDI.6/6.309.WF/WF.BT.RC.SOL Remote Driver Example: FINPW.6/6.0-10V.MP

1" Wall Mount Direct/Indirect (with Remote Driver) Ordering Information

FIN6X-WDI . 6/6 . /

1 **2** **3** **4** **5** **6** **7**

1 Model	2 Wattage	3 Color Temp and CRI	4 Beam Spreads
FIN6X-WDI 6" wall mount, direct/indirect	6/6 12W total	30 3000K, 80+ 35 3500K, 80+ 40 4000K, 80+ 249 2400K, 90+ 279 2700K, 90+ 309 3000K, 90+ 359 3500K, 90+ 409 4000K, 90+	<u>Direct</u> SP spot 15° FL flood 28° WF wide flood 35° VWF very wide flood 50° <u>Indirect</u> SP spot 15° FL flood 28° WF wide flood 35° VWF very wide flood 50°
5 Body Finish	6 Mounting	7 Accessories	
TBK textured black  SLV matte silver  BLK matte black  BRZ bronze  DBZ dark bronze  For custom RAL finish, consult factory	MUL mullion mount (Ø2") C canopy (Ø5") RC reduced canopy (Ø3-1/2")	SOL solite lens HEX hexcell louver LS linear spread lens	

Remote Driver Enclosure 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 that can fit two drivers. Electrical Contractor (EC) is responsible for adherence to all local codes.

FINPW . 6/6

1 **2** **3** **4**

1 Model	2 Wattage	3 Drivers/Controls	4 Driver Enclosure
FINPW	6/6 12W total	O-10V 0-10V dimming, 1%, 120/277VAC DALI DALI dimming, 1%, 120/277VAC LE/TE TRIAC/ELV dimming, 5%, 120/277VAC	RBX2 remote box (2 drivers) MP mounting plate Note: Remote Box is NOT for wet locations. The box must be placed in a dry/damp location. If a wet location box is required, the MP option can be installed in a NEMA box supplied by others.

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

PROJECT:

TYPE:

Specifications

Application

Retail, commercial and hospitality exterior 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

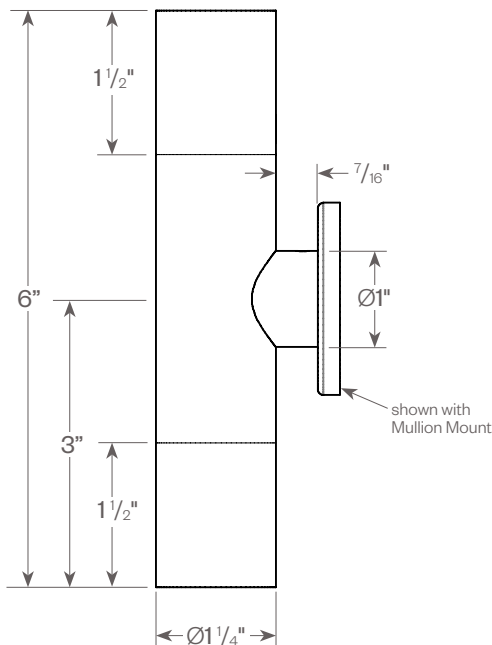
Certifications

CSA tested to UL standards
Wet location

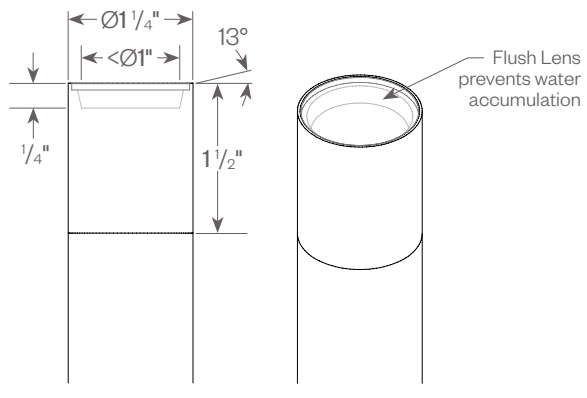
Warranty

5 year limited warranty

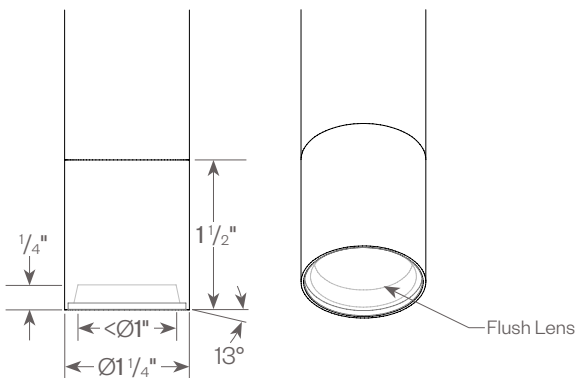
FIN6X-WDI



Indirect



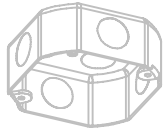
Direct



PROJECT:

TYPE:

Junction Box Mounting Requirements



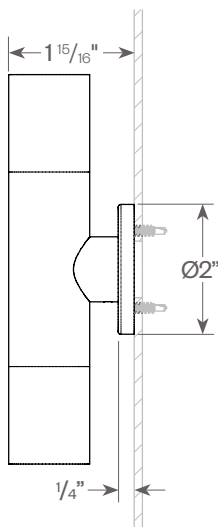
Canopy (C) & Conduit Canopy (CDC) Mounts
Require 4" Octagonal Junction Box (by others)



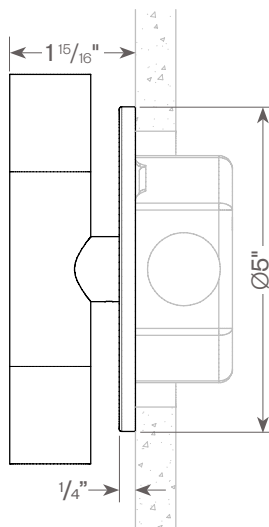
Reduced Canopy (RC) Mounts also
Require Raised Cover (by others) for
4" Octagonal Junction Box

Mounting Options

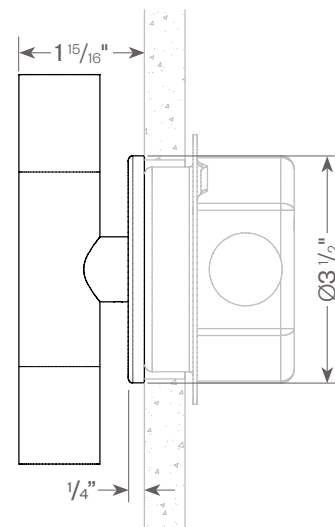
Mullion Mount



Canopy Mount



Reduced Canopy Mount



Finish Options

Powder coat paint.
Consult factory for custom finishes.



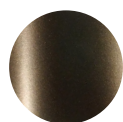
Matte Black



Matte Silver



Bronze



Dark Bronze



Black Texture

PROJECT:

TYPE:

Fixture Data

MULTIPLYING FACTORS:

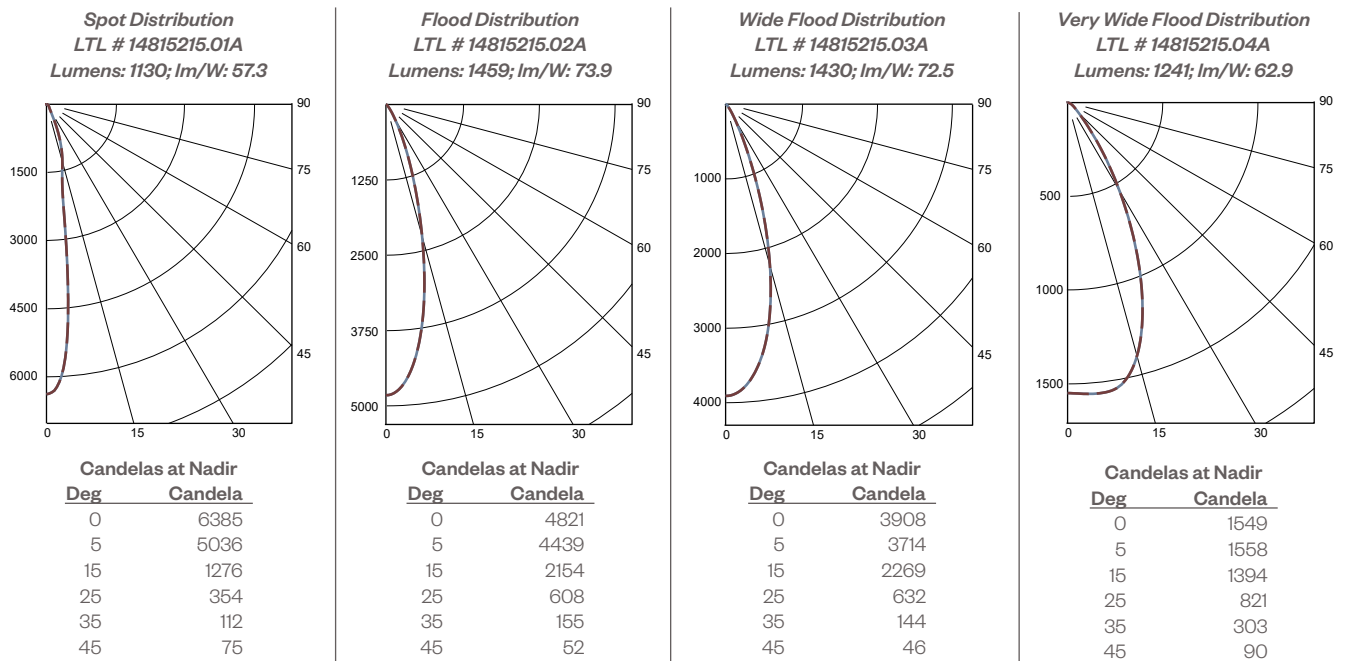
Wattage:	6W	20W
Factor:	0.44	1.0

* 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.

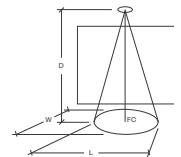
20W, Direct, 3000K, 80+



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

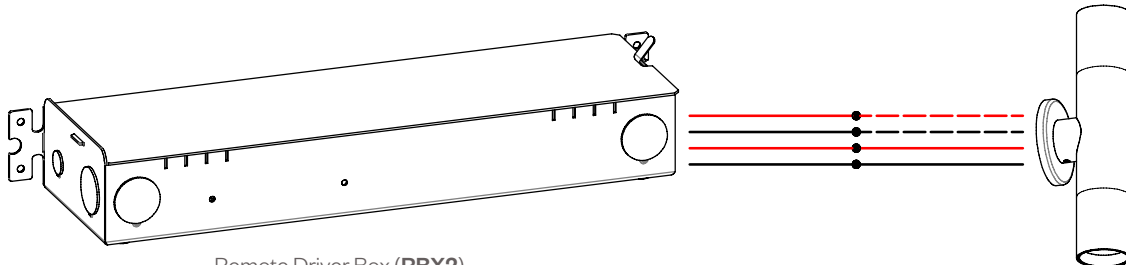
D	FC	L	W
5.0'	61	4.2	4.2
7.5'	27	6.3	6.3
10.0'	16	8.4	8.4
12.5'	10	10.6	10.6

PROJECT:

TYPE:

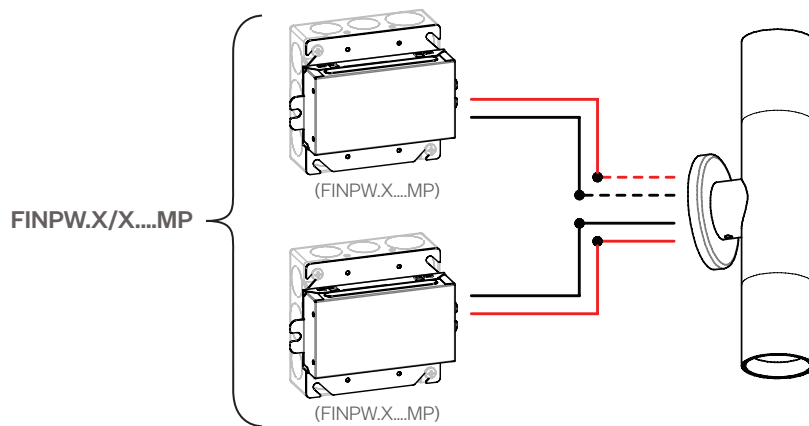
Power Supply Options for Remote Driver

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)

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

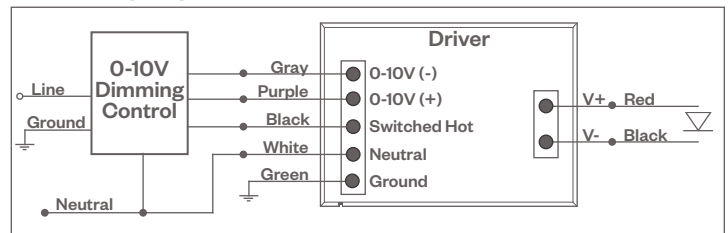
0-10V - DIMMING

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

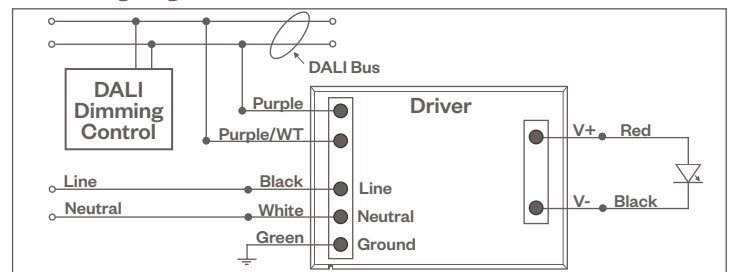
DALI DIMMING

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

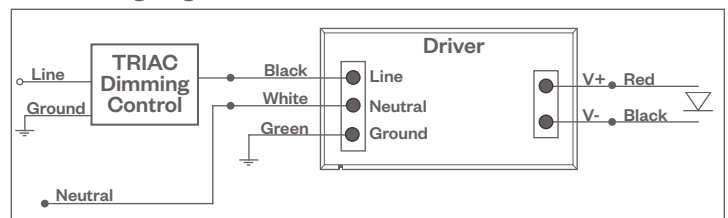
TRIAC (Forward Phase) DIMMING (Standard)

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

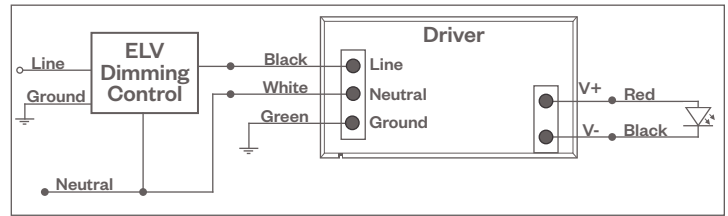
ELV - Electronic Low Voltage (Reverse Phase) DIMMING

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 Grafik Eye QS with PHPM-PA 120/277VAC
Lutron "Nova-T"		
Lutron "Maestro"		
Lutron "Vareo"		
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.