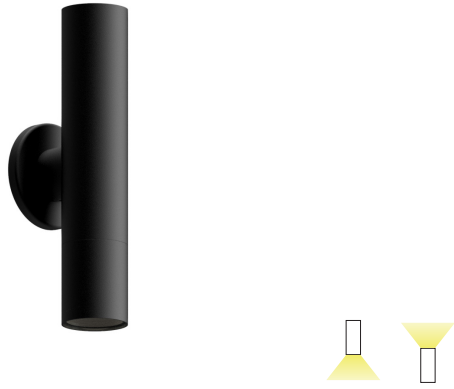




1" Wall Mount Cylinder, Direct or Indirect with 48V Integral Driver



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
- CRI: 80+ & 90+ typ.
- Dimming: 0-10V, DALI

PROJECT:

TYPE:

Performance Data

Watts	Lumens	LPW	CCT	CRI
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 transformer.

Fixture Example: FIN9-WD-48V.12.309.WF.BT.GLD.DB.RC.0-10V.SOL

Transformer Example: TR-48V100W

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

1	2	3	4	5	6	7	8	9	10
1 Model	2 Wattage	3 Color Temp and CRI	4 Beam Spreads	5 Body Finish					
FIN6-WD-48V 6" wall mount, direct FIN6-WI-48V 6" wall mount, indirect	6 6W (643 lm) 8 8W (787 lm) 10 10W (927 lm)	30 3000K, 80+ 35 3500K, 80+ 40 4000K, 80+ 249 2400K, 90+ 279 2700K, 90+ 309 3000K, 90+ 359 3500K, 90+ 409 4000K, 90+	SP spot 15° FL flood 28° WF wide flood 35° VWF very wide flood 50°	WT white texture  BT black texture  SLV matte silver  BRZ bronze  DBZ dark bronze  <i>For custom RAL finish, consult factory</i>					
6 Bevel Finish	7 Door Style	8 Mounting	9 Drivers/Controls	10 Accessories					
<u>Direct</u> MW matte white  MB matte black  SLV matte silver  BRZ bronze  DBZ dark bronze  GLD 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> SB standard bevel (1/4" recess) DB deep bevel (5/8" recess) GLOW frosted glow lens (1/2" drop) <u>Indirect</u> SBX standard bevel with flush lens GLOW frosted glow lens (1/2" height)	MUL mullion mount (Ø2") C canopy (Ø5") RC reduced canopy (Ø3-1/2") CDC conduit canopy (Ø4-1/8")	0-10V 0-10V, 1% dim DALI DALI, 1% dim	SOL solite lens HEX hexcell louver LS linear spread lens					

STEP 2: Transformer Ordering Information (to power Integral driver)

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

TR-48V100W

1

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

For enclosure drawings & wiring schematics, see pages 6-7.

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

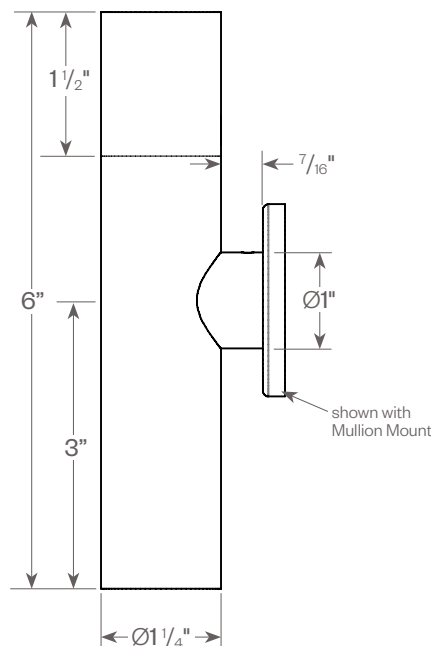
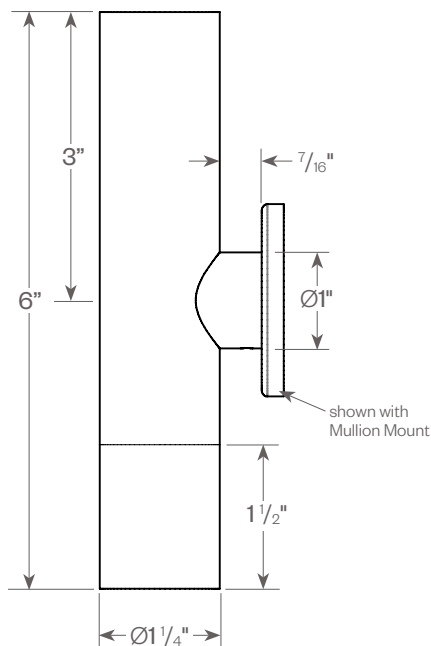
CSA tested to UL standards
 Indoor use only
 Damp location

Warranty

5 year limited warranty

FIN6-WD

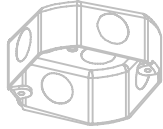
FIN6-WI



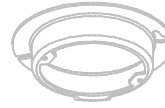
PROJECT:

TYPE:

Junction Box Mounting Requirements



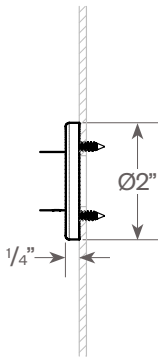
Canopy (C) & Conduit Canopy (CDC) Mounts Require 4" Octagonal Junction Box (by others)



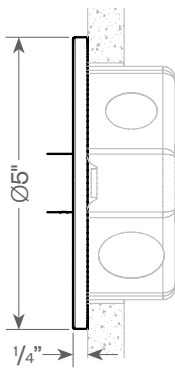
Reduced Canopy (RC) Mounts also Require Raised Cover (by others) for 4" Octagonal Junction Box

Mounting Options

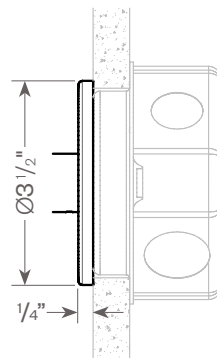
Mullion Mount



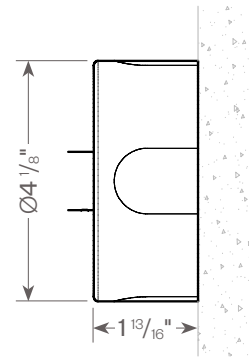
Canopy Mount



Reduced Canopy Mount



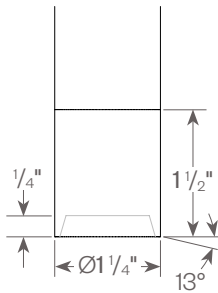
Conduit Canopy Mount



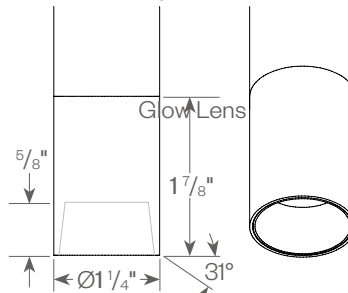
Door Styles

Direct

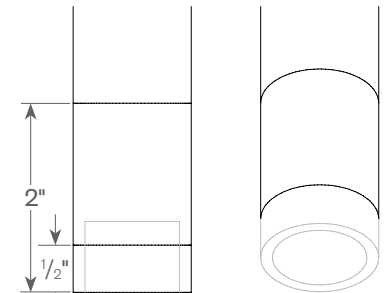
Standard Bevel (SB)



Deep Bevel (DB)

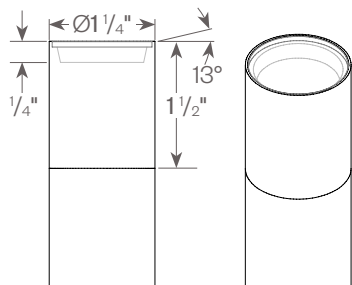


Glow Lens

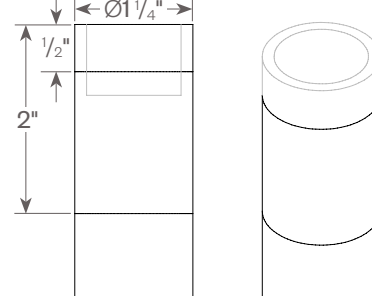


Indirect

Standard Bevel with flush lens (SBX)



Glow Lens



Finish Options

Powder coat paint. Consult factory for custom finishes.



Matte Black



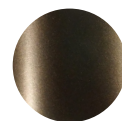
Matte White



Matte Silver



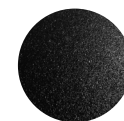
Bronze



Dark Bronze



White Texture



Black Texture



Gold
Available for
Bevel Finish only

PROJECT:

TYPE:

Fixture Data

MULTIPLYING FACTORS:

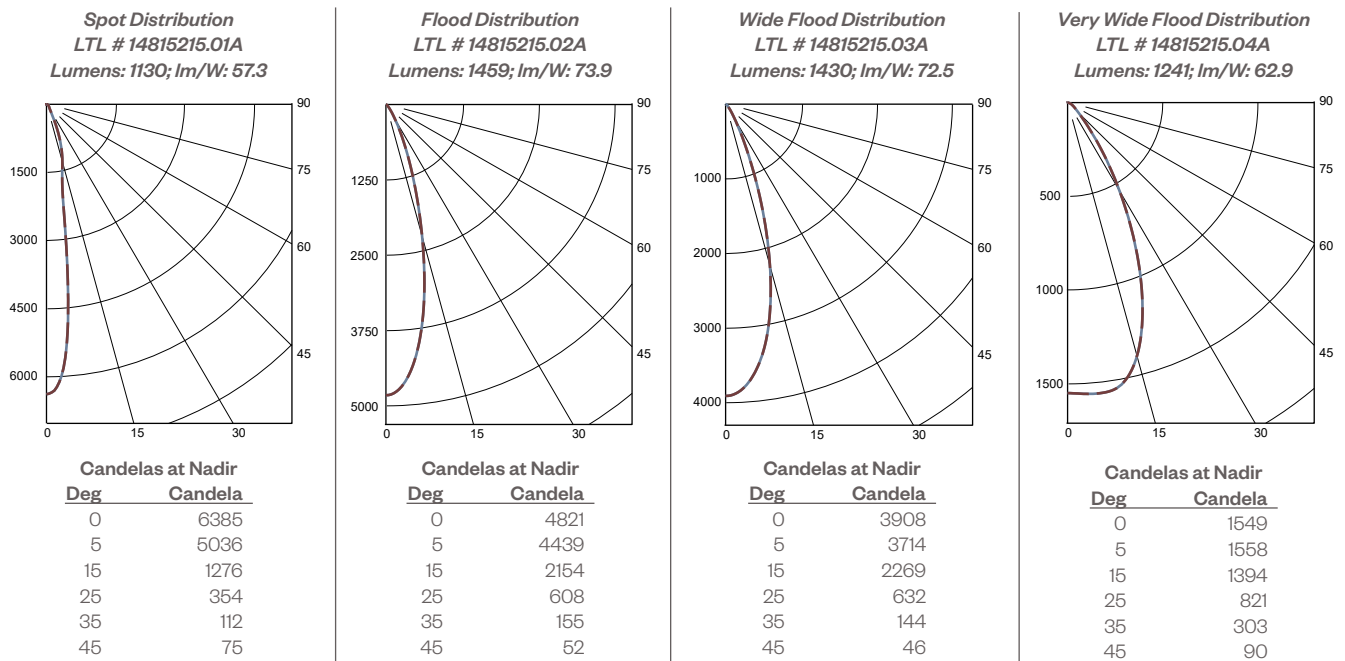
Wattage:	6W	8W	10W	20W
Factor:	0.44	0.54	0.64	1.0

* 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.

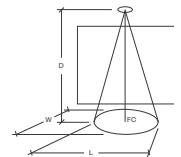
20W, Direct, Standard Bevel, 3000K, 80+



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

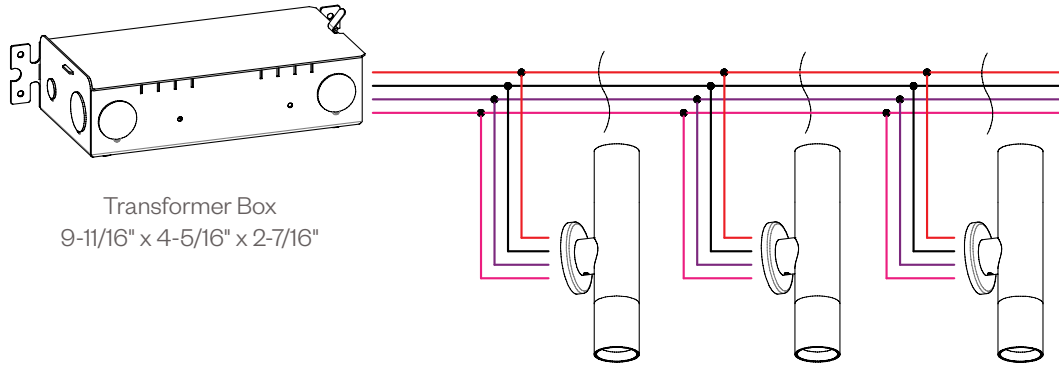
D	FC	L	W
5.0'	61	4.2	4.2
7.5'	27	6.3	6.3
10.0'	16	8.4	8.4
12.5'	10	10.6	10.6

PROJECT:

TYPE:

Power Supply Options for 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:

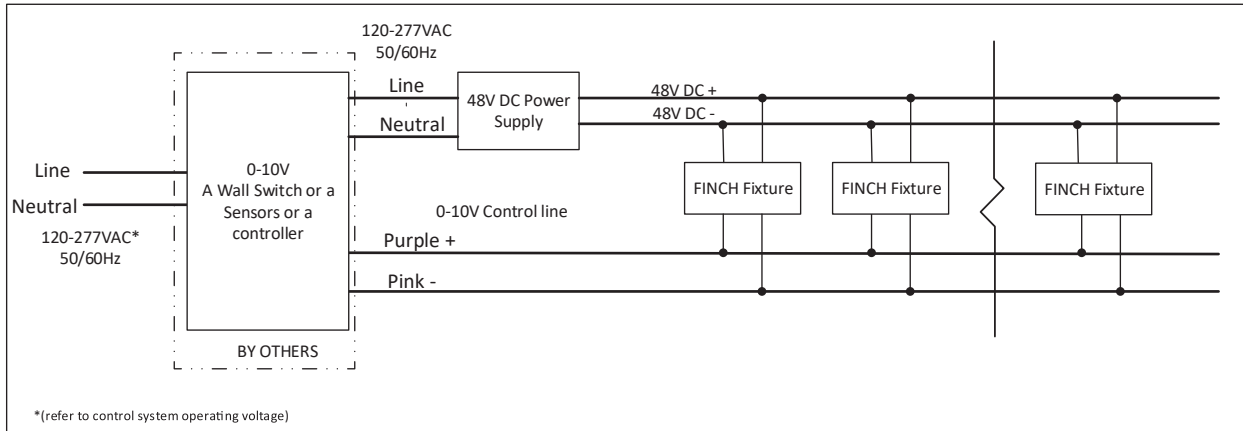
Dimming Compatibility

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 ---

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

0-10V Wiring Diagram



Notes:

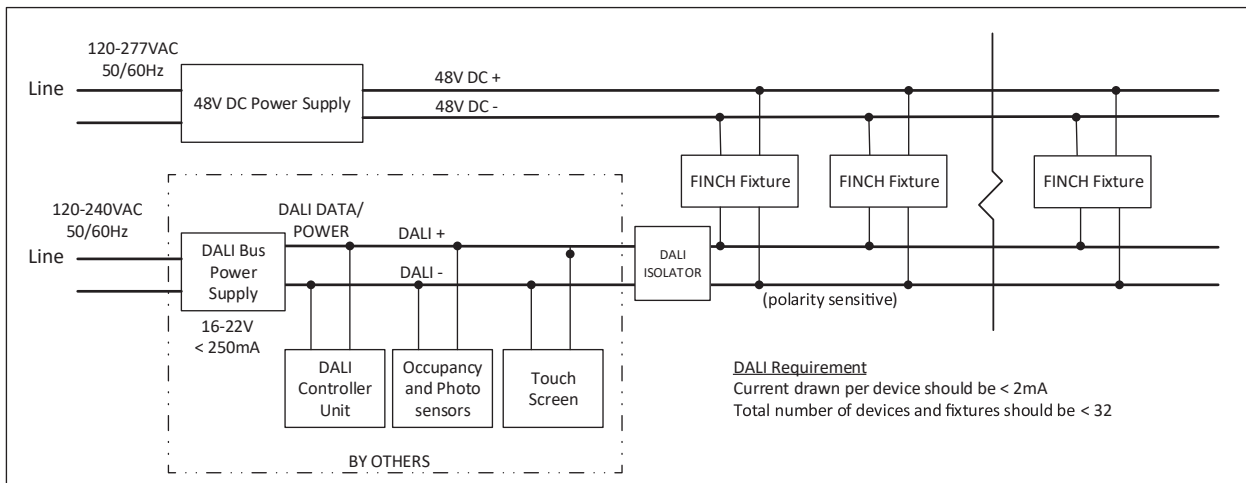
- Dims down to 1% light output
- Consult dimming control manufacturer for the operational and installation instructions - DO NOT SHARE NEUTRALS

Compatible Dimmers*:

Wall Box	Central System
Lutron "Diva" Leviton Renoir II 0-10V	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