



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: 2700K, 3000K, 3500K, 4000K
 CRI: 80+ & 90+ typ.
 Dimming: 0-10V, DALI, TRIAC/ELV, Lutron

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 optics, 120V, 3000K, 80+ 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:

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

Fixture Example: FIN6-WDI.6/6.309.WF/WF.BT.GLD.DB.RC.SOL

Remote Driver Example: FINPW.10.0-10V.RBX2

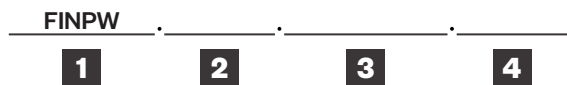
1" Wall Mount Direct/Indirect (with Remote Driver) Ordering Information



1	2	3	4	5	6	7	8	9
1 Model	2 Wattage	3 Color Temp and CRI	4 Beam Spreads	5 Body Finish				
FIN6-WDI 6" wall mount, direct/indirect	6/6 12W total 8/8 16W total	27 2700K, 80+ 30 3000K, 80+ 35 3500K, 80+ 40 4000K, 80+ 279 2700K, 90+ 309 3000K, 90+ 359 3500K, 90+ 409 4000K, 90+	Direct SP spot 15° FL flood 28° WF wide flood 35° VWF very wide flood 50° Indirect 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 Accessories		
Direct MW matte white ○ MB matte black ● SLV matte silver ● BRZ bronze ● DBZ dark bronze ● <i>For custom RAL finish, consult factory</i> GLD custom gold ● Indirect Finish to match body finish		Direct SB standard bevel (1/4" recess) DB deep bevel (5/8" recess) Indirect SBX standard bevel with flush lens		MUL mullion mount (Ø2") C canopy (Ø5") RC reduced canopy (Ø3-1/2") CDC conduit canopy (Ø4-1/8")		SOL solite lens HEX hexcell louver LS 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 that can fit two drivers. Electrical Contractor (EC) is responsible for adherence to all local codes.



1	2	3	4
1 Model	2 Wattage	3 Drivers/Controls	4 Driver Enclosure Options
FINPW	6/6 12W total 8/8 16W total	0-10V 0-10V dimming, 1%, 120/277VAC DALI DALI dimming, 1%, 120/277VAC LE/TE TRIAC/ELV dimming, 5%, 120/277VAC HILUME-H-ECO Lutron "H" Series, EcoSystem, 1% dim with soft on & fade to black, 120/277VAC	RBX2 remote box (1 per 2 drivers) MP mounting plate <i>Note: One wattage & 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

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

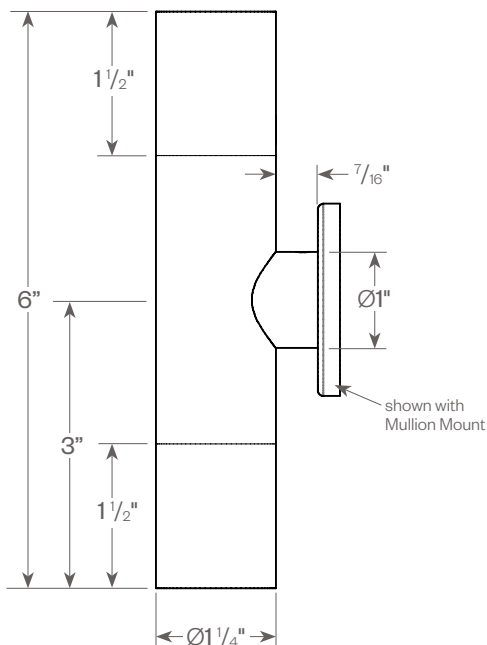
Certifications

CSA tested to UL standards
Indoor use only
Damp location

Warranty

5 year limited warranty

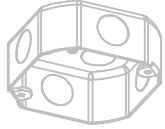
FIN6-WDI



PROJECT:

TYPE:

Junction Box Mounting Requirements



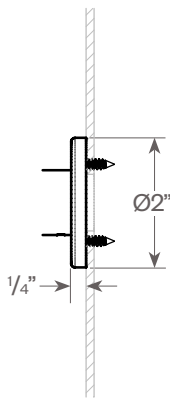
Canopy (C) & Conduit Canopy (CDC) Mounts
Require 4" Octagonal Junction Box (by others)



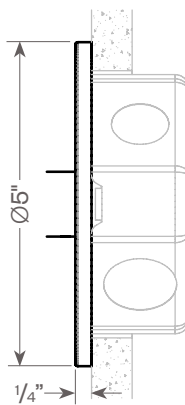
Reduced Canopy (RC) Mounts also
Require Raised Cover (by others) for
4" Octagonal Junction Box

Mounting Options

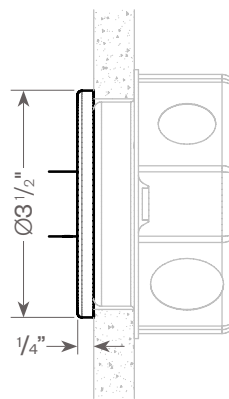
Mullion Mount



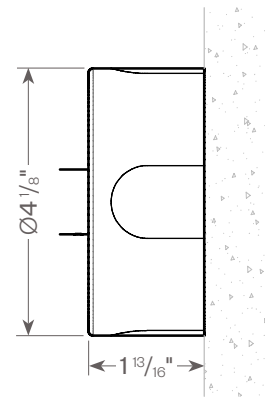
Canopy Mount



Reduced Canopy Mount

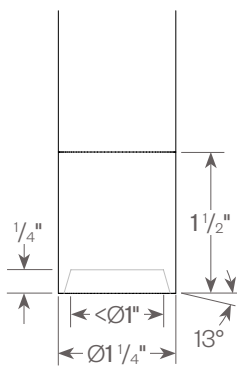


Conduit Canopy Mount

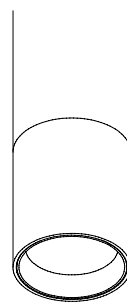


Door Styles

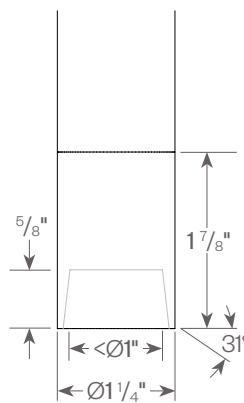
Direct



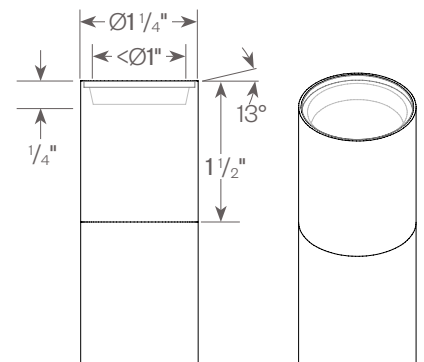
Standard Bevel (SB)



Deep Bevel (DB)



Indirect



Standard Bevel with flush lens (SBX)

Finish Options

Powder coat paint.
Consult factory for custom finishes.



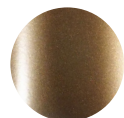
Matte Black



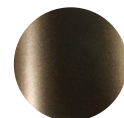
Matte White



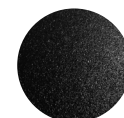
Matte Silver



Bronze



Dark Bronze



Black Texture



Custom Gold

Available for Bevel Finish only

PROJECT:

TYPE:

Fixture Data

MULTIPLYING FACTORS:

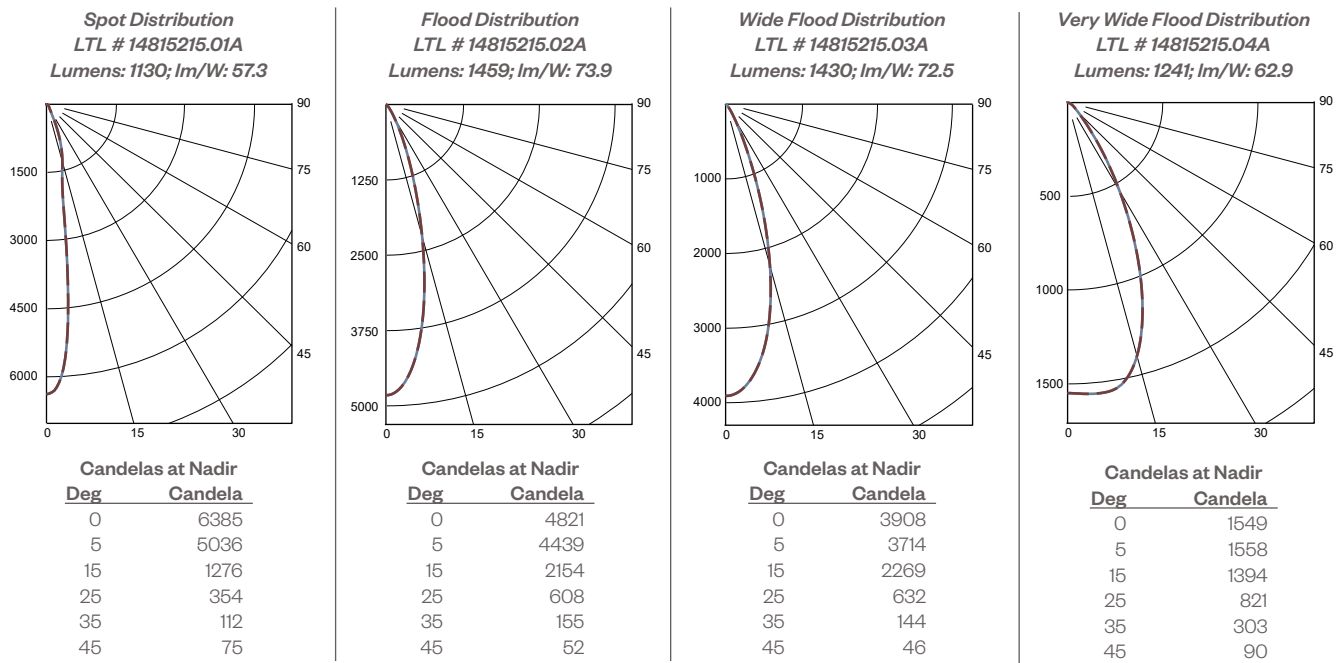
Wattage:	6W	8W	20W*
Factor:	0.44	0.54	1.0

* 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.

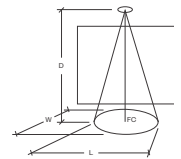
20W, Direct, Standard Bevel, 3000K, 80+



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

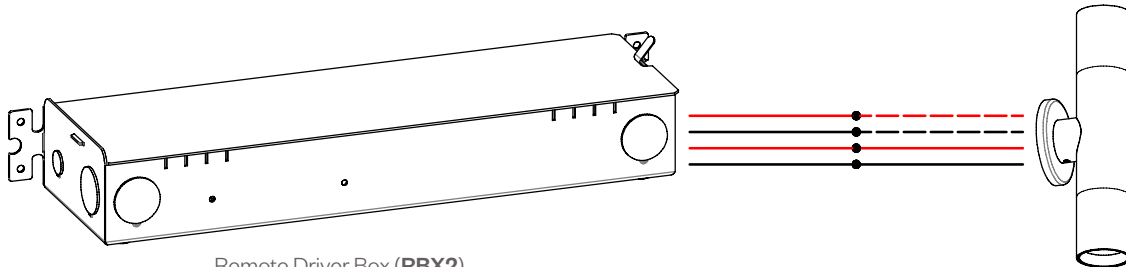
D	FC	L	W
5.0'	61	4.2	4.2
7.5'	27	6.3	6.3
10.0'	16	8.4	8.4
12.5'	10	10.6	10.6

PROJECT:

TYPE:

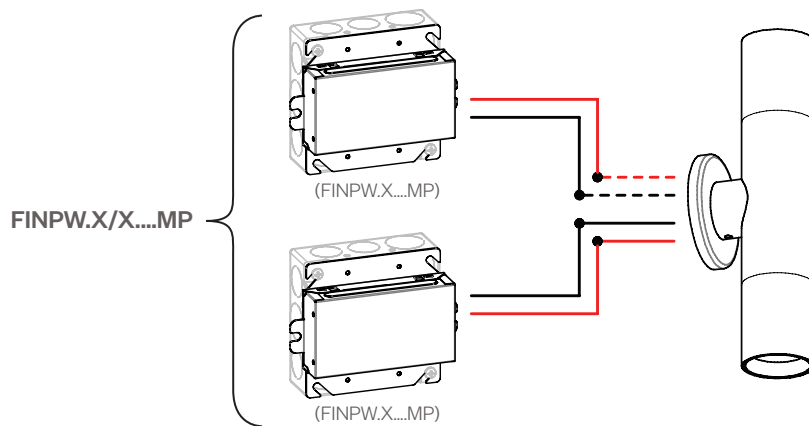
Power Supply Options for Remote Driver

Remote 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

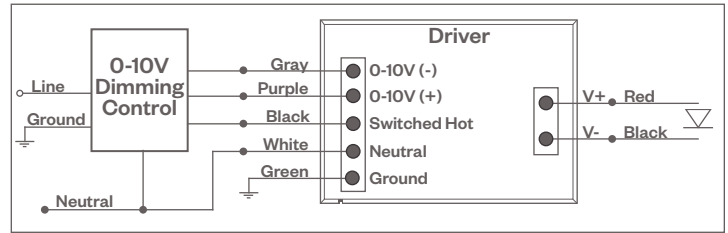
0-10V - DIMMING

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

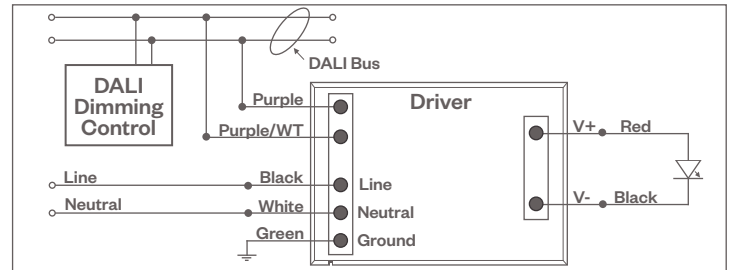
DALI DIMMING

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

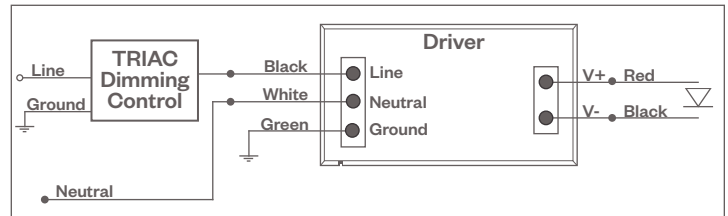
TRIAC (Forward Phase) DIMMING (Standard)

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.

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FOR REMOTE DRIVER OPTION

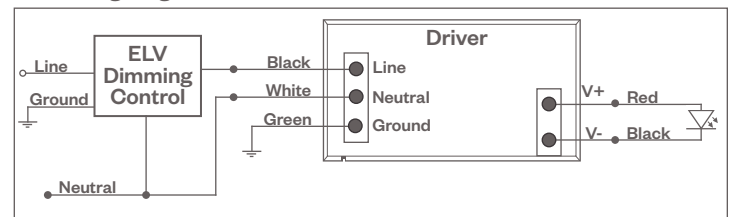
ELV - Electronic Low Voltage (Reverse Phase) DIMMING

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

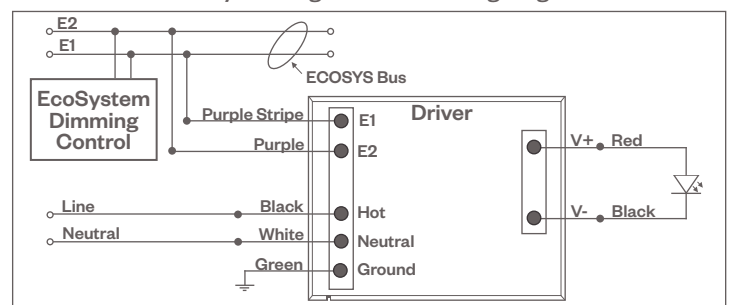
Notes:

- 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.