FINCH collection

1" Round Wall Wash

amerlux

PROJECT: **TYPE:**

Features

The FINCH family of recessed downlights with a 1" aperture, features exceptional output, and a broad range of configurations to provide discreet quality illumination while integrating into the architecture. It is available in fixed, adjustable *(30° tilt)* and wall wash. Round or square, trimmed, trimless or millwork and is serviceable from below.

The FINCH recessed wall wash can be coupled with the surface cylinder to create a broader composition and a unique design.

FIN-RW

Product Overview

Type:	Recessed Round Wall Wash
Wattage:	6W, 8W, 10W, 12W
Color Temp:	2400K, 2700K, 3000K, 3500K, 4000K
CRI:	80+ or 90+ typ.
Dimming:	0-10V, DALI, TRIAC & ELV, Hi-lume®

Certifications

5 year limited warranty AMERLUX LED

Fixture Summary

Performance Data

Watts	Delivered Lumens	LPW	Color Temp	CRI
6	363	62.6	3000K	80+
8	448	54.6	3000K	80+
10	532	51.6	3000K	80+
12	605	47.4	3000K	80+

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

Electrical Data

	6W		8W		10W		12W	
Voltage	System Watts	Amps	System Watts	Amps	System Watts	Amps	System Watts	Amps
120V	5.8	0.05	8.2	0.06	10.3	0.08	12.7	0.10
277V	6.2	0.03	8.5	0.04	10.4	0.04	12.6	0.05

Electronic constant current LED driver.
Data is based on tests using TRIAC/ELV (LE/TE) driver.

PROJECT: **TYPE:**

1" Recessed Round Wall Wash Housing/Frame Ordering Information

_____ . _____ . _____

1 2 3

1	Model
	FIN-RW-NC *(non-IC)*
	FIN-RW-CP *(Chicago Plenum (CCEA), 10W max)*
	FIN-RW-IC *(Insulated Ceiling/air tight, 10W max)*

2	Style
	T trimmed
	TL trimless
	MWK millwork

3	Options/Accessories
	HB49 - hanger bars from min 29" to max 49"
	Note: 26" hanger bars are included as standard.
	*Choose **HB49** option above for larger mounting spaces only.*

1" Recessed Round Wall Wash Trim Ordering Information

_____ . _____ . _____ . _____

1 2 3 4

1	Model
	FIN-RW wall wash

2	Style
	T trimmed
	TL trimless
	MWK millwork

3	
	MB matte black
	MW matte white
	SLV matte silver
	_____ other
	(RAL#, consult factory for lead time)

4	Color Temp and CRI	
	80+ CRI	90+ CRI
	30 3000K, 80+	**249** 2400K, 90+
	35 3500K, 80+	**279** 2700K, 90+
	40 4000K, 80+	**309** 3000K, 90+
		359 3500K, 90+
		409 4000K, 90+

Remote Driver Ordering Information

_____ . _____ . _____ . _____

1 2 3 4

1	Model
	FINPW

2	Wattage
	6 6W *(623 lm)*
	8 8W *(789 lm)*
	10 10W *(914 lm)*
	12 12W *(1039 lm)*

3	Driver
	0-10V 0-10V dimming, 1% dim, 120/277VAC
	DALI DALI dimming, 1% dim, 120/277VAC
	LE/TE TRIAC/ELV dimming, 5% dim, 120/277VAC
	HILUME-H-ECO - Lutron LDE1 Hi-lume® 1% dim Soft-On/ Fade-to-Black, 120/277VAC *(for use with 10W & 12W only)*

4	Driver Enclosure Options
	MP mounting plate *(standard)*
	RBX remote box *(1 driver)*
	RBX2 remote box *(2 drivers)*

PROJECT: **TYPE:**

Specifications

Construction

Galvanized steel frame
Galvanized steel splice housing and hanger brackets
Screwless plaster frame with perforated face for easier installation *(for trimless version only)*
Aluminum heatsink
Die-cast aluminum trim

Optical

Engineered nano technology lens provides high transmission while concealing LED image

LED

Color Temp: 2400K, 2700K, 3000K, 3500K, 4000K
CRI: 80+ typ *(3000K, 3500K, 4000K)*
90+ typ. *(2400K, 2700K, 3000K, 3500K, 4000K)*
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

Wattage: 6W, 8W, 10W, 12W
Electronic constant current remote LED driver, 120/277VAC input

Finish

Powder coat paint/wet paint
Consult factory for custom finishes

Mounting

26" Hanger bars included.
Optional **HB49** - hanger bars from min 29" to max 49" available.
Trimmed Fixture:
For use in grid or sheetrock ceilings, 1" max ceiling thickness.
Trimless Fixture:
For use in sheetrock ceilings, 1" max ceiling thickness.
Millwork Fixture:
Millwork extension collars are based on ceiling material specifications and thickness. Provides flush trim appearance level with ceiling material. 1" max ceiling thickness.

Certifications

CSA tested to UL standards
Indoor use only
Chicago Plenum *(optional)*
IC/AT rated *(optional)*
Damp location

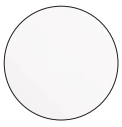
Warranty

5 year limited warranty

Finish Options

Powder coat paint.
Consult factory for custom finishes.

Matte Black

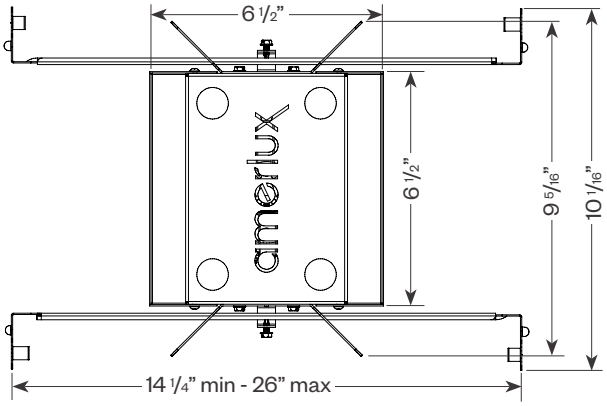

Matte White

Matte Silver

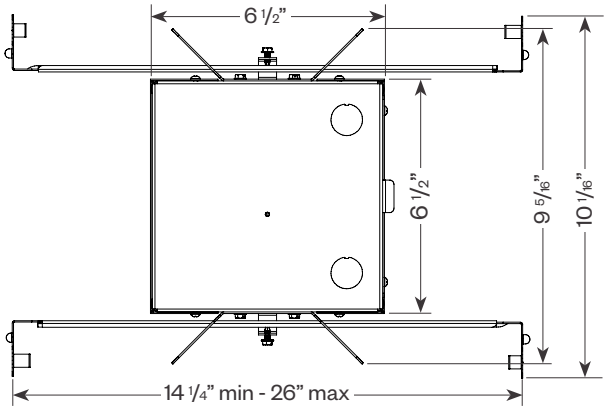
PROJECT:	TYPE:

Product Details - Trimmed

Housing/Frame

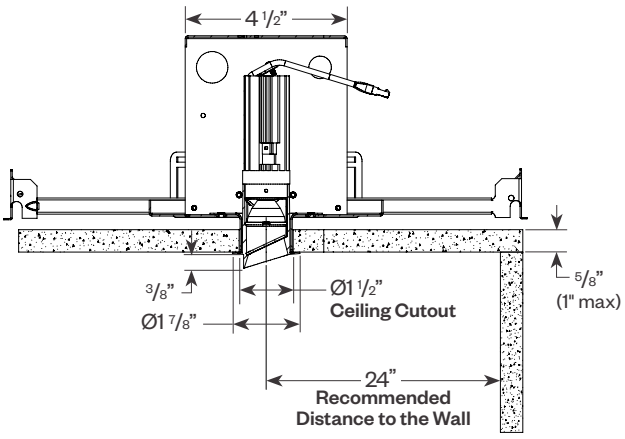


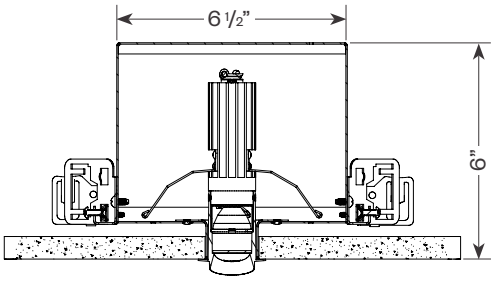
For Chicago Plenum *(CP)* or Insulated Ceiling *(IC)*



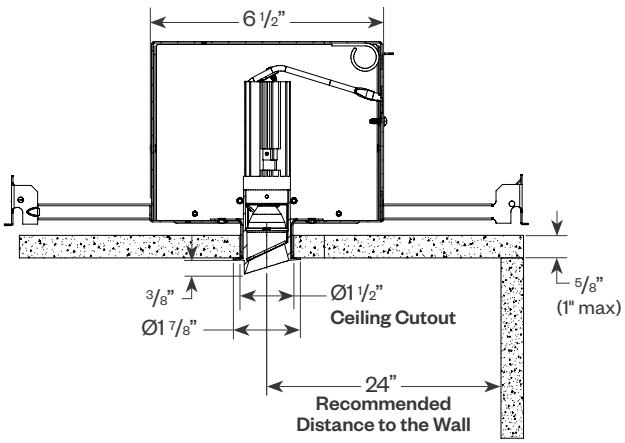
Trimmed

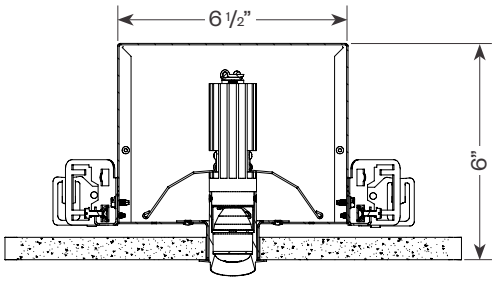
FIN-RW-NC.T





FIN-RW-CP/IC.T



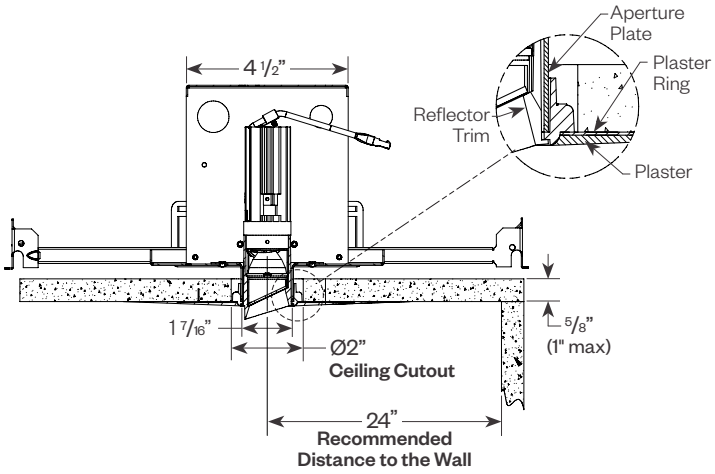


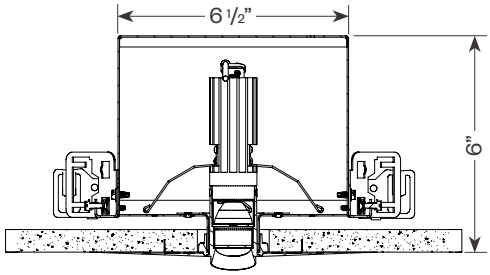
PROJECT:	TYPE:

Product Details - Trimless and Millwork

Trimless

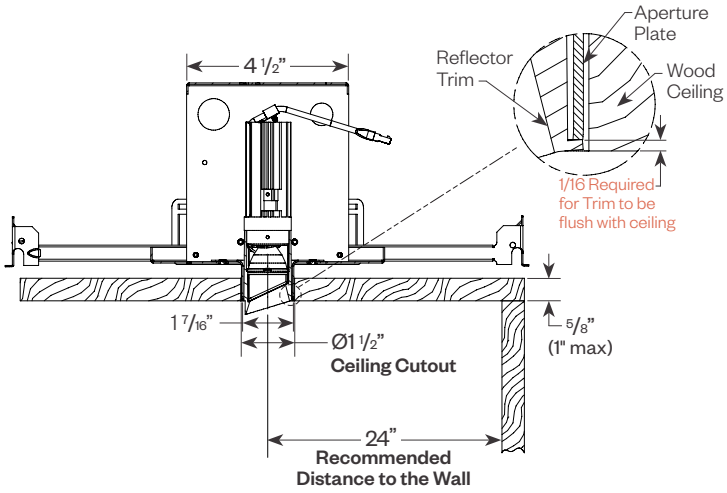
FIN-RW-NC.TL

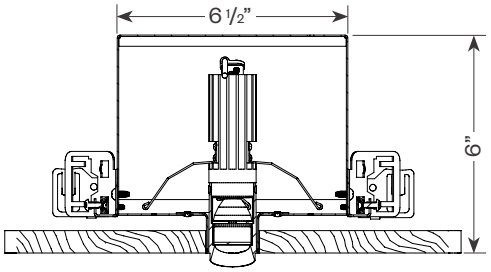




Millwork

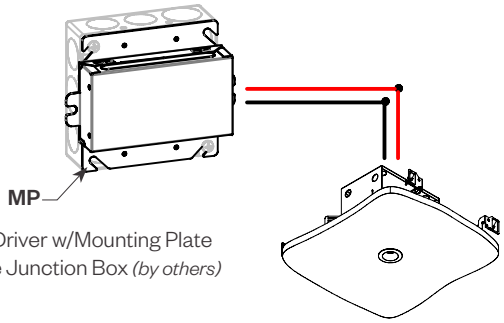
FIN-RW-NC.MWK



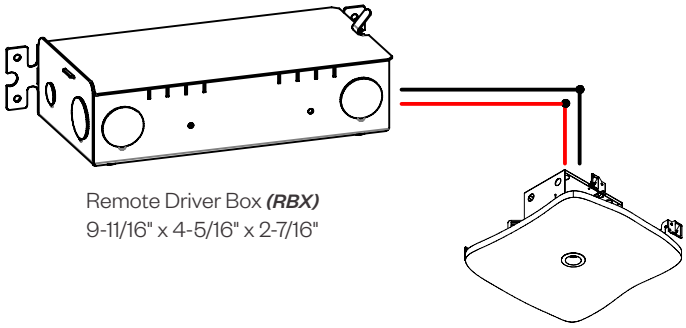


PROJECT:	TYPE:

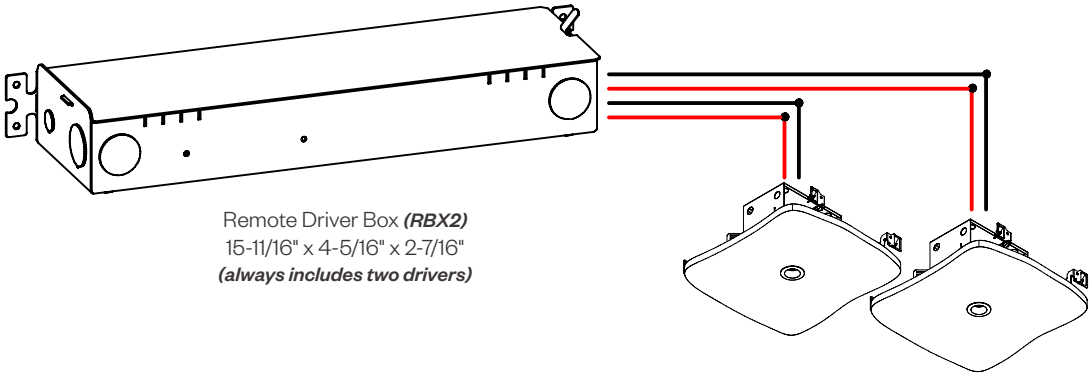
Enclosure Options for Remote Driver



Remote Driver w/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"
(always includes two drivers)

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

FINCH collection

1" Round Wall Wash

amerlux

PROJECT:	TYPE:

Performance Data

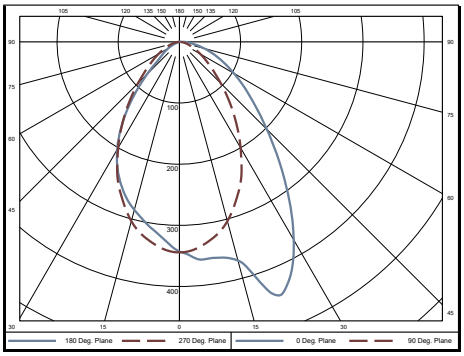
Multiplying Factors: *(Multiplying Factor is based on 3000K, 80+, 120V IES file on website)*

Wattage:	6W	8W	10W	12W
Factor:	0.60	0.74	0.88	1.0

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

12W, 3000K, 80+

LTL# 15016743.10



ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-40	380	62.8
0-60	542	89.6
0-90	605	100.0
90-180	0	0.00

Luminaire Efficacy: 47.4 lm/W

Application Data *(footcandles on wall)*

Footcandles are average and rounded off. Data for multiple units are based on a minimum of five units.

1.5 Feet from Wall

Distance from ceiling	1.5′	1.5′	1.5′	1.5′
0.5′	12	25	29	30	31	30	29	25	13
1.5′	22	41	50	52	53	52	50	41	23
2.5′	21	35	43	47	47	46	44	35	21
4.5′	15	23	28	31	32	31	29	24	15
5.5′	10	14	17	19	19	19	17	14	10
6.5′	7	9	11	12	12	12	11	9	7
7.5′	5	7	8	8	9	8	8	7	6

1.5 Feet from Wall

Distance from ceiling	2′	2′	2′	2′	2′
0.5′	11	22	22	24	22	24	22	24	22	22	13
1.5′	20	35	38	41	40	41	39	41	38	35	21
2.5′	19	30	34	36	36	37	36	36	34	30	19
3.5′	13	19	22	24	25	25	25	24	23	19	14
4.5′	9	12	14	15	16	16	16	15	14	12	9
5.5′	6	8	9	10	10	10	10	10	9	8	6
6.5′	5	6	6	7	7	7	7	7	7	6	5
7.5′	4	4	5	5	6	6	6	6	5	5	4

2 Feet from Wall

Distance from ceiling	2′	2′	2′	2′	2′
0.5′	8	12	13	14	14	15	14	14	14	12	8
1.5′	15	23	26	28	28	28	28	28	26	23	15
2.5′	16	24	28	30	31	31	31	31	29	24	17
3.5′	14	19	23	25	26	26	26	25	23	20	14
4.5′	11	14	17	18	19	19	19	18	17	14	11
5.5′	8	10	12	13	13	14	13	13	12	10	8
6.5′	6	7	8	9	9	10	10	9	8	7	6
7.5′	5	5	6	7	7	7	7	7	6	5	5

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 ---

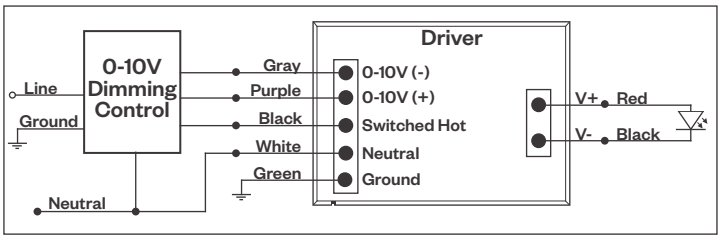
0-10V DIMMING

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

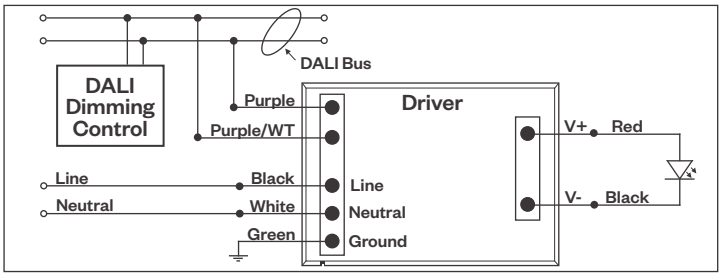
Digital control protocol allows individual fixture control

Notes:

- 120VAC - 277VAC*
- Dims down to 1% light output in most cases

Compatible Dimmers†:	
Wall Box *(3-Wire Fluorescent)*	**Central System**
Leviton CD250 Controller	Dynalite
	Fifth Light

DALI Wiring Diagram



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

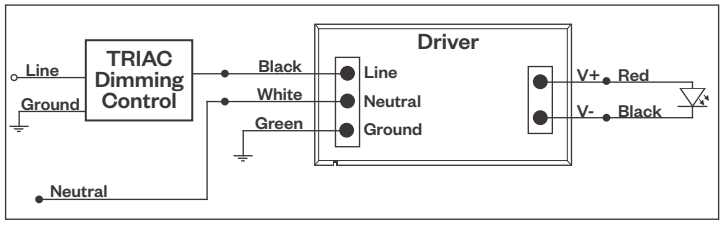
Utilizes standard TRIAC dimmers that are in wide use in installations across the US. Best for retrofit applications where TRIAC dimmers are installed.

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

Compatible Dimmers†:	
Wall Box *(TRIAC 120VAC)*	**Central System**
Lutron "Diva"	Lutron "GP" Panel
Lutron "Nova-T"	Lutron Grafik Eye QS
Lutron "Maestro"	
Lutron "Skylark"	

TRIAC 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 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 ---

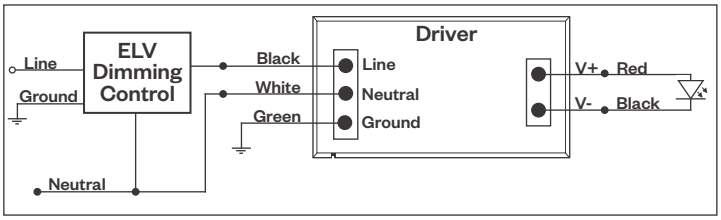
ELV - Electronic Low Voltage *(Reverse Phase)* DIMMING *(Standard)*

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 per dimming manufacturer

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"		

LUTRON LDE1 DIMMING

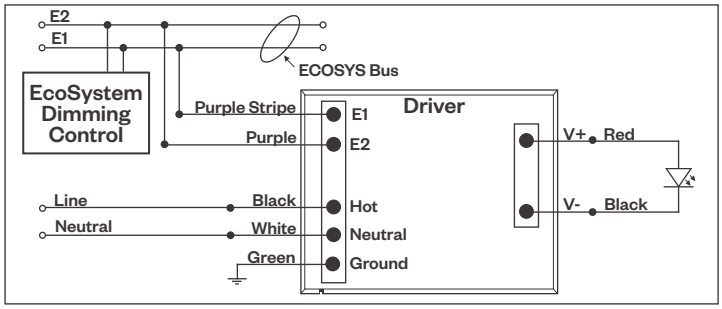
Integrates into Lutron EcoSystem building management

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	

LDE1 *(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 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.