

Evolve[®] 4.75"

Round Adjustable HP



Features

The second generation Evolve 4.75 now incorporates a High Performance LED module providing impressive performance, higher lumen delivery and consistent color. Features the fit, finish and attention to detail of the existing Evolve line that you've loved since its introduction in 2006. Available in Round or Square aperture. Suitable for a variety of lighting schemes featuring general accent task and display applications Evolve 4.75" HP gives architects and lighting designers the flexibility to complete sustainable lighting designs.

Product Overview

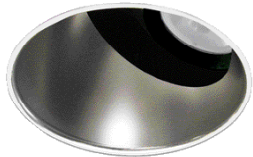
- Fixture Type: Recessed Adjustable
- Wattage: 11, 18, 20
- Color Temp: 2700K, 3000K, 3500K, 4000K
- CRI: 83 typ. (2700K, 3000K, 3500K, 4000K)
90+ typ. (2700K, 3000K)
CrispWhite LED Available (18W max)
- Dimming: ELV & TRIAC (120/277VAC)
Lutron LDE1 Hi-lume[®] 1% Soft-On/Fade-to-Black (120/277VAC)
0-10V (120/277VAC) - 1% Dim
DALI dimming - 1% Dim



Adjustable

PROJECT:

TYPE:



Trimless

Fixture Type

Round/Square	New Construction	Trim	Trimless
Yes	Yes	Yes	Yes

See separate spec sheet for Square trim

Electrical Data

	11W		18W*		20W*	
	System Watts	Amps	System Watts	Amps	System Watts	Amps
120V	11	0.09	18	0.15	20	17
277V	11	0.04	18	0.06	20	07

Electronic constant current LED driver

11W is inherently protected

*18W & 20W Includes thermal protector, 2w power consumption



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PROJECT:

TYPE:

Housing/Frame Ordering Information

1	2	3	4	5	6	7	8
1 <u>Model</u> For New Construction E4.75RA-HP-NC-A17[†] (New Construction) E4.75RA-HP-CP-A17[†] (Chicago Plenum (CCEA)) E4.75RA-HP-IC-A17[†] (Insulated Ceiling/air tight, 11W & 18W only)	2 <u>Style</u> T - trimmed TL - trimless (not available for use with Grid ceiling)	3 <u>Wattage</u> 11 18 20 (not available for use with IC housing)	4 <u>Voltage</u> 120 277 120/277 (for use with IC housing only)	5 <u>Beam Spreads</u> SP - spot, 15° NF - narrow flood, 22° MFL - medium flood, 25° FL - flood, 28° WF - wide flood, 45°	6 <u>Color Temp</u> 83 CRI 90+ CRI 27 - 2700K-83 229 - 2200K-90+ CRISP - CrispWhite (18W max) 30 - 3000K-83 279 - 2700K-90+ 35 - 3500K-83 309 - 3000K-90+ 3CLA - 3K Class A 40 - 4000K-83 359 - 3500K-90+ 409 - 4000K-90+	7 <u>Driver</u> (for non-dimming, select LE/TE option) LE/TE - TRIAC/ELV dimming HILUME-H-ECO - Lutron LDE1 Hi-lume® 1% Soft-On/ Fade-to-Black 0-10V - 0-10V dimming, 1% dim DALI - DALI dimming, 1% dim	8 <u>Options</u> HB49 - hanger bars from min 29" to max 49"

Trim Ordering Information

E4.75RA-HP-A17		
1	2	3
1 <u>Model</u> E4.75RA-HP-A17[†]	2 <u>Style</u> T - trimmed TL - trimless (not available for use with Grid ceiling)	3 <u>Finish</u> <u>For Trimmed Fixture</u> SDW - semi-diffuse, white flange SDC - semi-diffuse, clear flange (flange finish matches cone finish) MWW - matte white, white flange MBB - matte black, black flange <u>For Trimless Fixture</u> SD - semi-diffuse MW - matte white

[†] The "A" refers to the sequential revision in a year and "XX" refers to the year of update. Updates coincide with improved performance while not changing the overall fixture aesthetic and are reflected in the published performance data. Please contact your Amerlux representative for explanations of changes.

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PROJECT:

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Specifications

Application

Retail and commercial accent and display lighting

Housing Construction

20 ga. steel painted matte black
Formed aperture plate with 5/8" lip
Cast aluminum plaster frame with perforated face (for trimless fixture only)
Integral adjustable locking mounting bars
Thermally protected
Die-cast lamp housing and heatsink

Reflector Construction

Spun aluminum self-flanged reflector with angle cut
Steel mounting ring with torsion spring

Optical

0-35° lockable tilt, 360°+ rotation
Beam Spreads: Spot, 14°; Very Narrow Flood, 18°;
Narrow Flood, 23°; Flood, 25°; Wide Flood, 44°

LED

Color Temp Options:
2700K, 3000K, 3500K, 4000K
CRI: 83 typ. (2700K, 3000K, 3500K, 4000K)
90+ typ. (2700K, 3000K)
CrispWhite* and 3K Class A** LEDs available (18W max)

R9 Values: 11 (83 CRI), 55 (92 CRI)

Binning: 3 MacAdam (SDCM)

**CrispWhite: CrispWhite Technology delivers the warmth of colors expected from a high 90 CRI solution but also creates the natural crisp white color that is pleasing to the eye. It creates the most impactful lighting ever available, by revealing the richest whites and vibrant colors that pop.*

Electrical

Wattage: 11, 18, 20

Electronic constant current LED driver, 120/277VAC input
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 damage is not covered under warranty.

Drivers

LE/TE - Leading Edge, TRIAC, forward phase/Trailing Edge, ELV, reverse phase (standard)
0-10V, Lutron and DALI systems also available
See pages 5-6 for more dimming information

Finish

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, max ceiling thickness 1"

Trimless Fixture:

For use in sheetrock ceilings, max ceiling thickness 5/8"

Certifications

CSA approved to UL standards as tested by CSA
Chicago Plenum (CCEA) option
IC/AT rated option (11W & 18W only)

Warranty

5 year limited warranty

Evoke® 4.75"

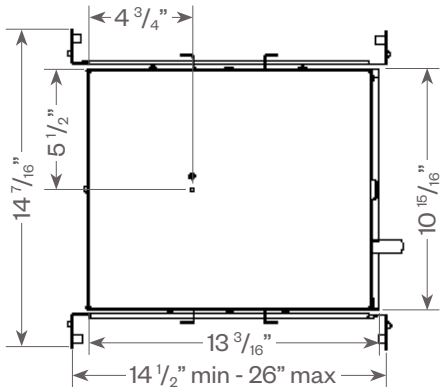
4.75" Round Adjustable HP



PROJECT:

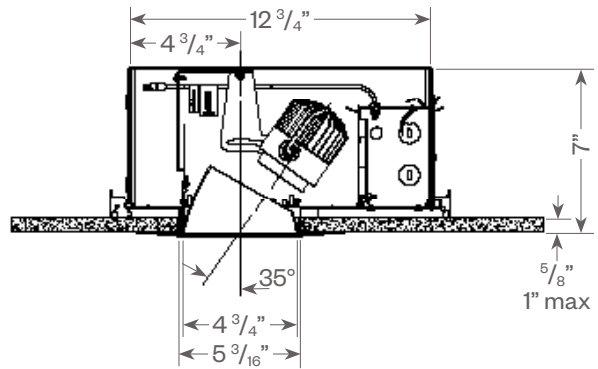
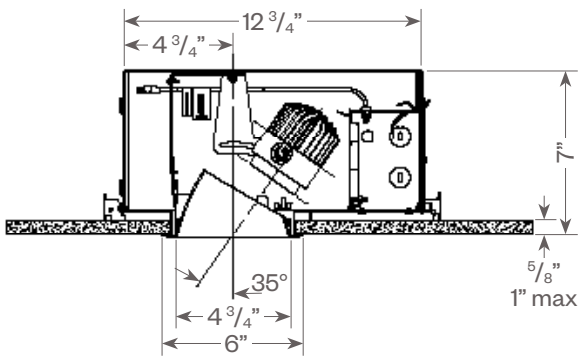
TYPE:

Evoke Round Adjustable C3M:



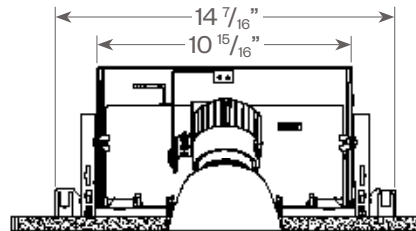
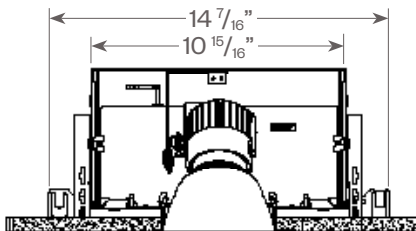
Trimmed

Trimless



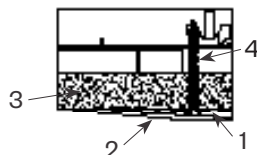
Ceiling cut out: 5 3/8" dia.

Ceiling cut out: 5 7/8" dia.



Plaster Frame Installation Detail (for trimless fixture only)

1. Cast Aluminum Plaster Frame
2. Plaster Skim Coat (by others)
3. Ceiling
4. Sheetrock Screw



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PROJECT:

TYPE:

DIMMING COMPATIBILITY:

Amerlux® Evoke 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 ---

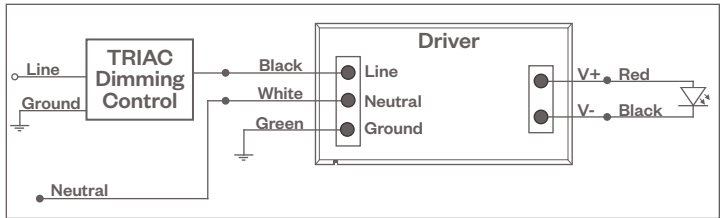
TRIAC (Forward Phase) DIMMING (Standard)

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"	

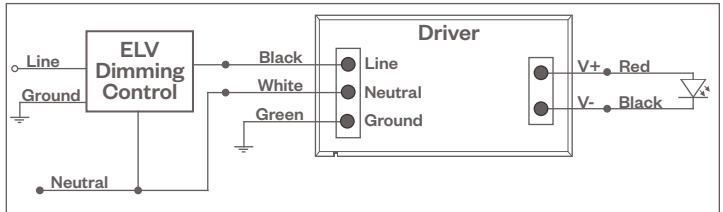
ELV - Electronic Low Voltage (Reverse Phase) DIMMING (Standard)

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

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.

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TYPE:

DIMMING COMPATIBILITY:

Amerlux® Evoke 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 ---

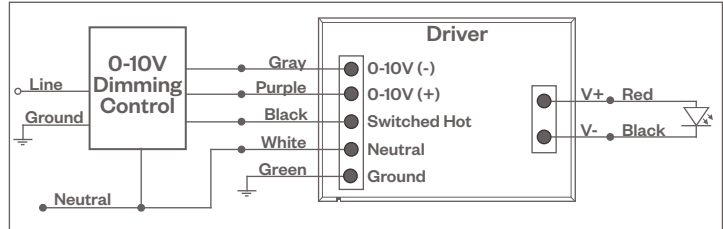
0-10V DIMMING

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

Lutron "Diva" - DVSTV | Leviton Renoir II 0-10V

Central System

Lutron Grafik Eye with GRX-TV1 Interface

LUTRON LDE1 DIMMING

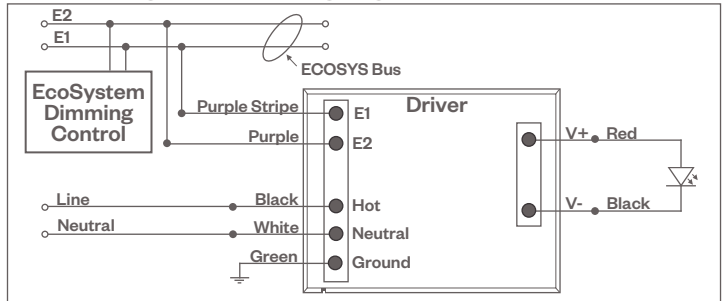
Integrates into Lutron EcoSystem building management

Notes:

- 120VAC or 277VAC*
- Dims down to 1% Soft-On/Fade-to-Black
- EcoSystem Control
- Consult Dimming manufacturer for installation instructions - DO NOT SHARE NEUTRALS!

Lutron LDE1 (HILUME-H-ECO)

EcoSystem Digital Control Wiring Diagram



Compatible Dimmers*:

Lutron ECO System

Pow Pak Dimming Modules
Energj Savr Node
Grafik Eye QS/Homeworks
QS Control Unit
Quantum Hub
Homeworks QS/My Room

Central System

Lutron EcoSystem compatible controls

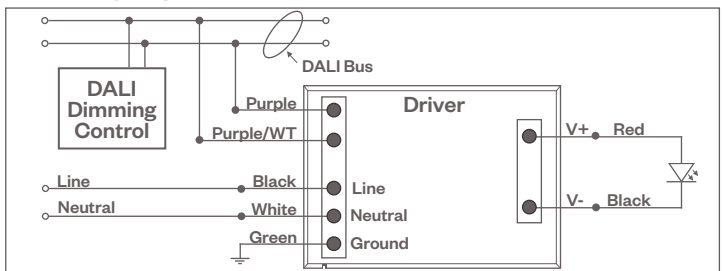
DALI DIMMING

Digital control protocol allows individual fixture control

Notes:

- 120VAC - 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

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.