EVOKE® 2.9" HP

2.9" SQUARE ADJUSTABLE WET LOCATION LED

APPLICATION:
Commercial and retail ambient and task lighting

HOUSING CONSTRUCTION:
20 ga. steel painted matte black
Formed aperture plate with 5/8" lip (GB-standard)
Integral adjustable locking mounting bars
Thermally protected

REFLECTOR TRIM CONSTRUCTION:
Die-cast aluminum seamless self-flange reflector trim
Painted finishes include matte white and optical matte black with matte white flange
Spring steel mounting clips
Clear glass lens
Silicone flange gasket

MOUNTING:
Specify ceiling mounting:
  GRID: 1" deep aperture collar
  GB (Gyp. Board): 5/8" deep aperture collar
Extra thick ceiling ring available for ceilings over 1" thick, consult factory
Note: Tilt adjustment reduced to 30° in ceilings 1 1/4" thick

LABELING:

Wet location
IC/AT rated (11w only)

OPTICS:
Cam adjustment mechanism provides lockable 0-40° tilt; 360°+ rotation
Available in a variety of beam spreads
LED:
  Color Temp Options: 2200K, 2700K, 3000K, 3500K, 4000K
  CRI: 83 typ. (2700K, 3000K, 3500K, 4000K)
      90+ typ. (2200K, 2700K, 3000K)
  Amerlux Crisp White technology available (18w max)
  R9 Value: 11 (83CRI), 55 (90+CRI)
  Binning: 3 MacAdam (SDCM)
  Life: 50,000 hrs
  Lumen Maintenance: >70% of initial lumens @ 50,000 hrs

ELECTRICAL:
Electronic constant current LED driver, 120v or 277v input (voltage specific TP on 18w & 20w)
ELV and Triac dimming standard, 120v or 277v.
0-10v, Lutron & DALI systems available. See following pages for more information.
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 by warranty.

ELECTRICAL
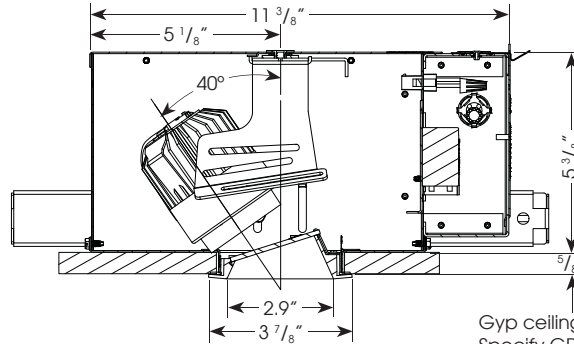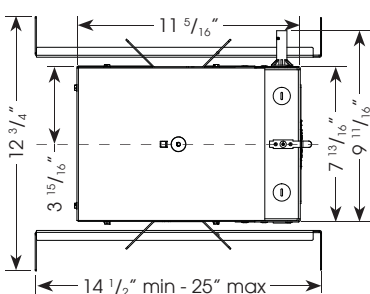Electronic driver

	11w		18w*		20w*	
	System Watts	Amps	System Watts	Amps	System Watts	Amps
120v	11	0.09	18	0.15	20	0.17
277v	11	0.04	18	0.06	20	0.07

* 2w thermal protector included on 18w & 20w

Dimensions: 11 5/16", 12 3/4", 3 15/16", 7 13/16", 9 11/16", 14 1/2" min - 25" max

11 3/8", 5 1/8", 40°, 5 3/8", 5/8", 2.9", 3 7/8"

Gyp ceiling shown. Specify GRID for 1" deep aperture collar.

Ceiling Cut Out Dimension: 3 7/16"

ORDERING INFORMATION:

Housing Model	Wattage	Lamp Type	Voltage	Beam Spread	Ceiling Mounting	Color Temp (CCT(K)-CRI)	Options	Reflector Model	Aperture Finish
E2.9SA-HP-A15	11 18 20	LED	120 277	SP - spot, 15° NF - narrow flood, 20° MFL - medium flood, 24° FL - flood, 28° WF - wide flood, 45°	GB - 5/8" deep collar GRID - 1" deep collar __ - _____ (other, consult factory)	27 - 2700-83 30 - 3000-83 35 - 3500-83 40 - 4000-83 229 - 2200-90+ 279 - 2700-90+ 309 - 3000-90+ CRISP - CrispWhite (18w max)	HILUME - Lutron Hi-lume® A-series dimming (Ecosystem or 3 wire) 0-10V - 0-10v dimming DALI - DALI driver CP - Chicago Plenum (CCEA) IC/AT - insulated ceiling/air tight (11w only)	E2.9SASHW-HP-A15	Reflector with White Painted Flange MBW - matte black MWW - matte white SLVW - matte silver

Complete Unit Specification: E2.9SA-HP-A15-18-LED-120-SP-GB-30/E2.9SASHW-HP-A15-MWW
Housing Only: E2.9SA-HP-A15-18-LED-120-SP-GB-30
Reflector Only: E2.9SASHW-HP-A15-MWW

Cat #:

Amerlux® reserves the right to change details that do not affect overall function and performance.

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TYPE:

DIMMING COMPATIBILITY:
Amerlux® 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.
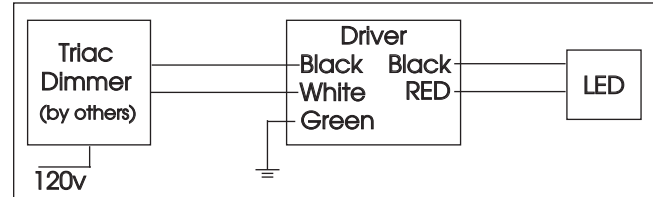
TRIAC (Forward Phase) DIMMING (standard)
Utilizes "Standard" incandescent dimmers that are in wide use in installations across the US. Best for retrofit applications where Triac dimmers are installed.

Notes:
- 120v or 277v
- Dims down to less than 5% light output (most cases)
- Consult Dimming manufacturer for installation instructions - DO NOT SHARE NEUTRALS!
- Must meet dimmer Minimum Load Requirements per dimming manufacturer

Wiring Diagram

Triac Dimmer (by others) — 120v — Driver: Black Black / White RED / Green — LED

Compatible Dimmers

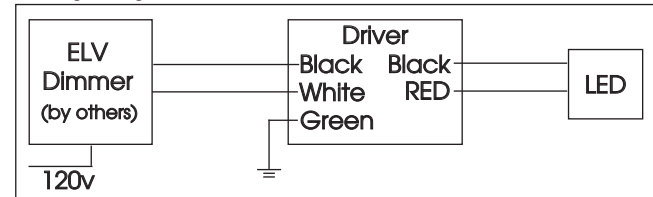| Wall Box (Incandescent Style, Wattage as required)		Central System	
Lutron "Diva"	Lutron "Vareo"	ETC "SR" Rack w/D20 Module	ETC "DRD" Rack w/D20 Module
Lutron "Nova-T"	Lutron "Skylark"	Lutron "GP" Panel	Lutron Grafix Eye QS
Lutron "Maestro"			

ELV - Electronic Low Voltage (Reverse Phase) DIMMING (standard)
Utilizes specialized "ELV" dimmers. Best for New Construction applications

Notes:
- 120v or 277v
- Dims down to less than 5% light output (most cases)
- Consult Dimming manufacturer for installation instructions - DO NOT SHARE NEUTRALS!
- Must meet dimmer Minimum Load Requirements

Wiring Diagram

ELV Dimmer (by others) — 120v — Driver: Black Black / White RED / Green — LED

Compatible Dimmers

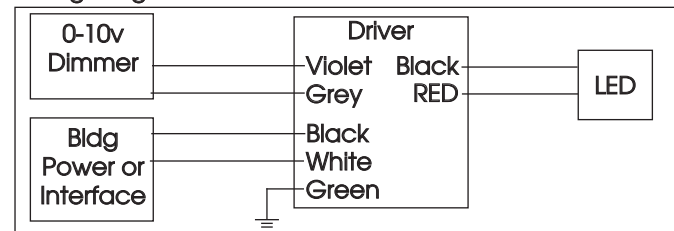| Wall Box (ELV Style)		Central System	
Lutron "Diva"	Lutron "Vareo"	ETC "SR" Rack w/ELV10 Module	ETC "DRD" Rack w/ELV10 Module
Lutron "Nova-T"	Lutron "Skylark"	Lutron "GP" Panel with PHPM-PA Interface	Lutron Grafix Eye QS with PHPM-PA Interface
Lutron "Maestro"			
Leviton "Surslide"	Leviton "Vizio"		

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

Notes:
- 120v - 277v
- Dims down to 1% light output
- Requires interface to turn off power to driver
- Consult Dimming manufacturer for installation instructions - DO NOT SHARE NEUTRALS!

Wiring Diagram

0-10v Dimmer / Bldg Power or Interface — Driver: Violet Black / Grey RED / Black / White / Green — LED

Compatible Dimmers

Wall Box		Central System	
Lutron "Diva" - DVTV with PP-120H Interface	Leviton Renoir II 0-10v	Lutron Grafix Eye with GRX-TVI Interface	

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TYPE:

LUTRON HI-LUME / ECO-SYSTEM (-HILUME Option)
Integrates into a variety of building management and daylighting controls

Notes:
- 120v or 277v
- Dims down to 1% light output
- May use 3-Wire or Ecosystem Control
- Consult Dimming manufacturer for installation instructions - DO NOT SHARE NEUTRALSI
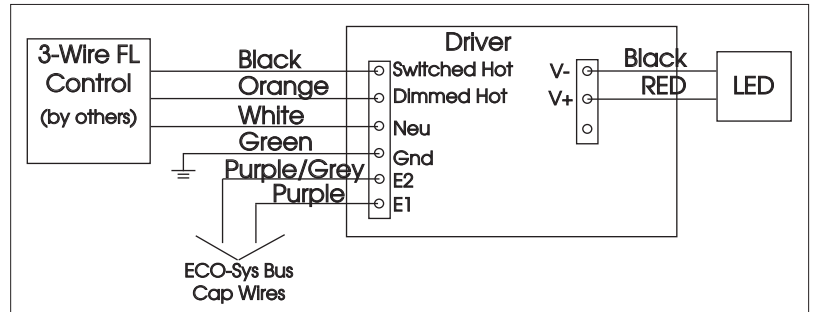
Compatible Dimmers
Wall Box (3-Wire Fluorescent)
DIVA
Maestro
Nova T
Vareo

Central System
Lutron ECO-System compatible controls
ETC "SR" Rack w/D20F Module
ETC "DRD" Rack w/D20F Module

3-Wire Wiring Diagram

3-Wire FL Control (by others) — Black, Orange, White, Green, Purple/Grey, Purple — Driver (Switched Hot, Dimmed Hot, Neu, Gnd, E2, E1) — V-, V+ — Black, RED — LED
ECO-Sys Bus Cap Wires

ECO System Digital Control Wiring

Cap Lead — ECO System Control (by others) — Black, Orange, White, Green, Purple/Grey, Purple — Driver (Switched Hot, Dimmed Hot, Neu, Gnd, E2, E1) — V-, V+ — Black, RED — LED
ECO-Sys Bus