

Classix® 6"

6" Round Adjustable C3



PROJECT:

TYPE:

Features

The Classix Adjustable downlight shines new light on your bigger jobs. With a unique Amerlux® blend of architectural form and function, Classix performs perfectly in large retail and commercial spaces. Designed for higher ceilings, this downlight features high output, various beam options.



Product Overview

Type: Recessed Round Adjustable
Wattage: 18W, 21W, 25W, 29W, 33W
Color Temp: 2700K, 3000K, 3500K, 4000K
CRI: 83 typ. or 90+ typ.
CrispWhite & 3K Class A LEDs available
Dimming: TRIAC & ELV, 5% Dim, 120/277VAC
0-10V, 1% Dim, 120/277VAC
DALI, 1% Dim, 120/277VAC

Certifications



Fixture Summary

Fixture Type

Round	New Construction	Trim
Yes	Yes	Yes

Electrical Data

Voltage	18W		21W		25W		29W		33W	
	System Watts	Amps	System Watts	Amps	System Watts	Amps	System Watts	Amps	System Watts	Amps
120V	18	0.15	21	0.18	25	0.21	29	0.24	33	0.28
277V	18	0.06	21	0.08	25	0.08	29	0.10	33	0.12

Electronic constant current LED driver.

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Ordering Information - Housing/Frame

CLX-RA6-C3-NC-A17

1
 2
 3
 4
 5
 6
 7

1	Model	2	Wattage	3	Voltage	4	Beam Spread
	For New Construction		18		120		SP spot, 15°
	CLX-RA6-C3-NC-A17 (New Construction)		21		277		FL flood, 25°
			25				WF wide flood, 40°
			29				
			33				

5	Color Temp	6	Driver (for non-dimming, select LE/TE option)	7	Options/Accessories
	83 CRI 90+ CRI		LE/TE TRIAC/ELV dimming, 5% dim		HEX hexcell louver
	27 2700K-83 279 2700K-90+ CRISP CrispWhite		0-10V 0-10V dimming, 1% dim		HB49 hanger bars from min 29" to max 49"
	30 3000K-83 309 3000K-90+ 3CLA 3K Class A		DALI DALI dimming, 1% dim		<i>Note: 26" hanger bars are included as standard. Choose HB49 option above for larger mounting spaces only.</i>
	35 3500K-83 359 3500K-90+				
	40 4000K-83 409 4000K-90+				

Ordering Information - Trim

CLX-RA6-C3-A17

1
 2

1	Model	2	Finish
	CLX-RA6-C3-A17	SDW semi-diffuse, white flange	
		SDC semi-diffuse, clear flange <i>(flange finish matches cone finish)</i>	

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Specifications

Application

Retail, commercial and hospitality accent and display lighting

Construction

20 ga. steel painted matte black
Formed aperture plate with 5/8" lip
Integral adjustable locking mounting bars
Thermally protected
Die-cast lamp housing and heat sink

Reflector Construction

Spun aluminum self-flanged reflector with angle cut
Semi-diffuse aperture finish in both white and clear flange
Steel mounting ring with torsion spring

Optical

0-35° tilt, 360°+ rotation
Beam Spreads: Spot, 15°; Flood, 25°; Wide Flood, 40°
Field interchangeable spun aluminum reflectors

LED

Color Temp Options: 2700K, 3000K, 3500K, 4000K, CRISP, Class A
CRI: 83 typ. or 90+ typ.

CrispWhite* and Class A** LEDs available

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

Binning: 3 MacAdam (SDCM)

Life: 50,000+ hrs, > 70% of initial lumens at 50,000 hrs

* *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.*

** *Class A LED: Class A LED's have a CRI > 80 and a GAI > 80. CRI defines color "Naturalness" and GAI defines color "Saturation." Both being high delivers rich colors and pure whites.*

Electrical

Wattage: 18W, 24W, 25W, 29W, 33W

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 and over voltage damage is not covered under warranty.

Drivers

LE/TE - Leading Edge (Triac, Forward Phase) or Trailing Edge (ELV, Reverse Phase)

0-10V and DALI systems also available

See pages 5-6 for more dimming information

Finish (Trim)

Wet paint

Mounting

For use in T-Grid or GB ceilings; max ceiling thickness 1"

26" Hanger bars included

Optional **HB49** - hanger bars from min 29" to max 49" available

Consult Factory for thicker ceilings

Certifications

CSA damp as tested to UL 1598 standards

Damp location

Warranty

5 year limited warranty

Classix® 6"

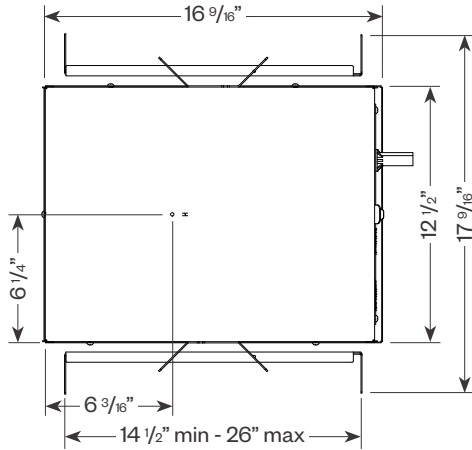
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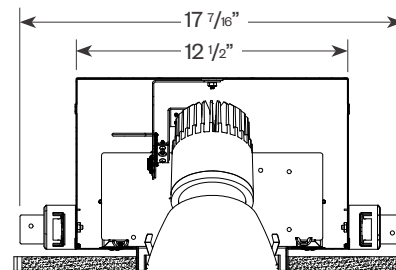
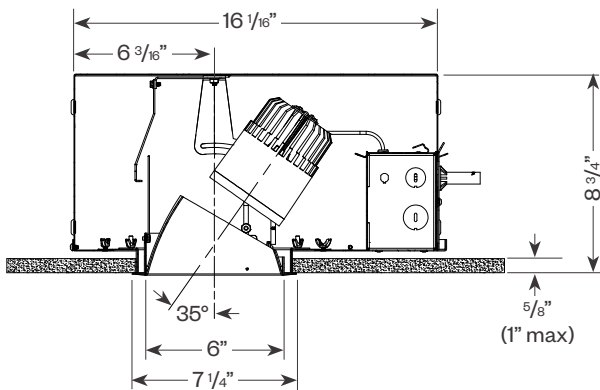
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Product Details



Ceiling Cut Out: 6 7/8" dia.



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Dimming Compatibility

Amerlux® Classix® 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 ---

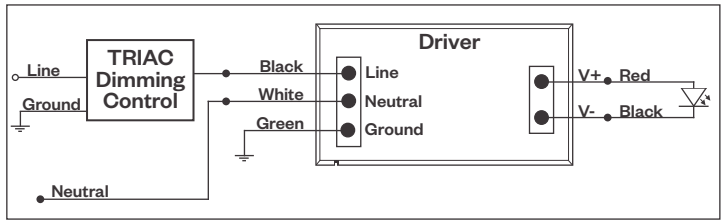
TRIAC (Forward Phase) Dimming

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"	

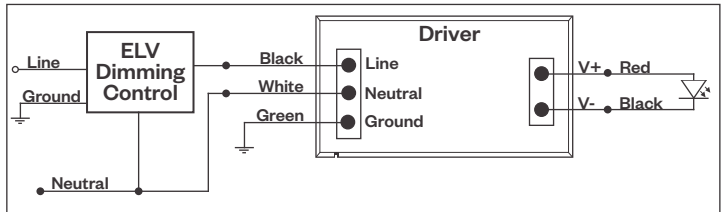
ELV - Electronic Low Voltage (Reverse Phase) Dimming

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"		

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.

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Dimming Compatibility *(continued)*

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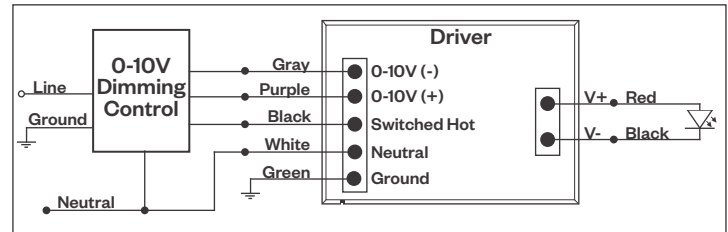
0-10V Dimming

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†:		Central System
Wall Box		
Lutron "Diva" - DVSTV	Leviton Renoir II 0-10V	Lutron Grafik Eye with GRX-TVI Interface

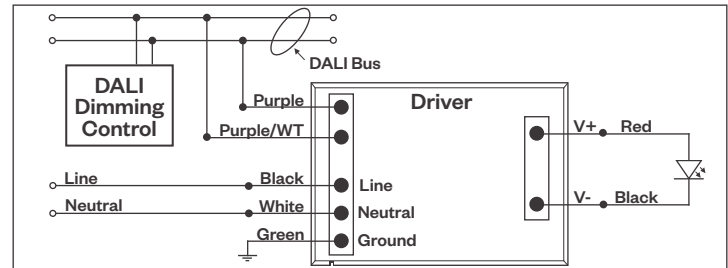
DALI Dimming

Digital control protocol allows individual fixture control

Notes:

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

DALI Wiring Diagram



Compatible Dimmers†:		Central System
Wall Box (3-Wire Fluorescent)		
Leviton CD250 Controller		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 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.