

# Classix® 6"

6" Round Adjustable C3M



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: 23W  
Color Temp: 2200K, 2700K, 3000K, 3500K, 4000K  
CRI: 83 typ. (2700K, 3000K, 3500K, 4000K)  
90+ typ. (2200K, 2700K, 3000K, 3500K, 4000K)  
CrispWhite & 3K Class A LEDs available  
Dimming: TRIAC & ELV, 5% Dim, 120/277VAC  
Lutron LDE1 Hi-lume® 1% Soft-On/Fade-to-Black, 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

	23W	
Voltage	System Watts	Amps
120V	23	0.19
277V	23	0.08

Electronic constant current LED driver.

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## Ordering Information - Housing/Frame

CLX-RA6-C3M-NC-A17 . 23 . . . . .

1    
 2    
 3    
 4    
 5    
 6    
 7

1	Model	2	Wattage	3	Voltage	4	Beam Spread	
	For New Construction <b>CLX-RA6-C3M-NC-A17</b> (New Construction)		<b>23</b>		<b>120</b> <b>277</b>		<b>SP</b> spot, 14° <b>VNF</b> very narrow flood, 18° <b>NF</b> narrow flood, 23° <b>FL</b> flood, 34° <b>WF</b> wide flood, 44°	
5	Color Temp	6		Driver (for non-dimming, select LE/TE option)	7			Options/Accessories
	83 CRI     90+ CRI <b>27</b> 2700K-83 <b>229</b> 2200K-90+ <b>CRISP</b> CrispWhite <b>30</b> 3000K-83 <b>279</b> 2700K-90+ <b>3CLA</b> 3K Class A <b>35</b> 3500K-83 <b>309</b> 3000K-90+ <b>40</b> 4000K-83 <b>359</b> 3500K-90+ <b>409</b> 4000K-90+			<b>LE/TE</b> TRIAC/ELV dimming, 5% dim <b>HILUME-H-ECO</b> Lutron LDE1 Hi-lume® 1% dim Soft-On/Fade-to-Black <b>O-10V</b> 0-10V dimming; 1% dim <b>DALI</b> EldoLED; 1% dim				<b>HB49</b> hanger bars from min 29" to max 49"  <i>Note: 26" hanger bars are included as standard.</i> Choose <b>HB49</b> option above for larger mounting spaces only.

## Ordering Information - Trim

CLX-RA6-C3M-A17 . . . . .

1    
 2

1	Model	2	Finish
	<b>CLX-RA6-C3M-A17</b>	<b>SDW</b> semi-diffuse, white flange <b>SDC</b> semi-diffuse, clear flange (flange finish matches cone finish)	

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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, 14°; Very Narrow Flood, 18°; Narrow Flood, 23°;  
Flood, 34°; Wide Flood, 44°  
Field interchangeable spun aluminum reflectors

### LED

Color Temp Options: 2200K, 2700K, 3000K, 3500K, 4000K,  
CRISP, Class A

CRI: 83 typ. (2700K, 3000K, 3500K, 4000K)  
90+ typ. (2200K, 2700K, 3000K, 3500K, 4000K)  
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: 23W

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"

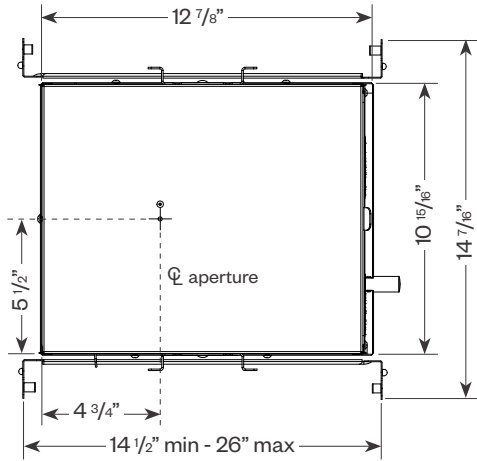
6" Round Adjustable C3M



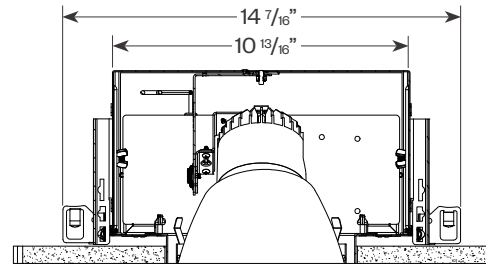
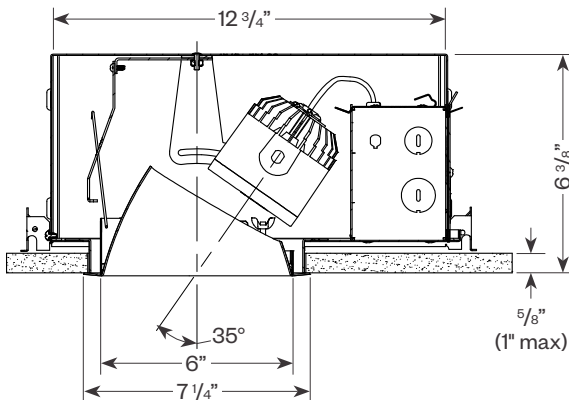
PROJECT:

TYPE:

## Product Details



Ceiling Cut Out: 6 7/8" dia.



# Classix® 6"

6" Round Adjustable C3M



<b>PROJECT:</b>	<b>TYPE:</b>
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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 ---**

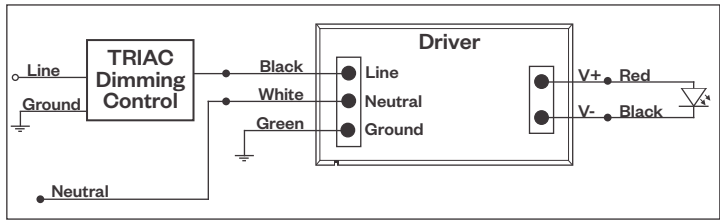
**TRIAC (Forward Phase) Dimming**

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"	

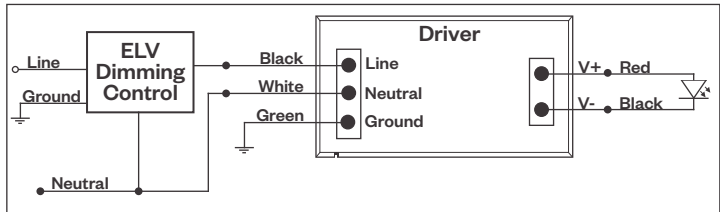
**ELV - Electronic Low Voltage (Reverse Phase) Dimming**

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)

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 ---

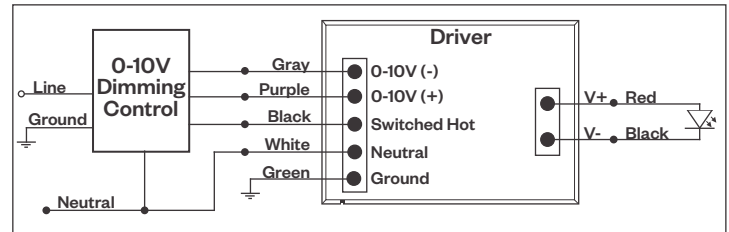
### 0-10V Dimming

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
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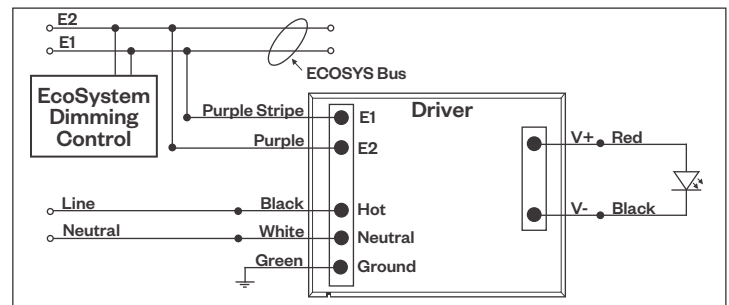
### Lutron LDE1 Dimming

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!**

### LDE1 (HILUME-H-ECO) EcoSystem Digital Control Wiring Diagram



**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	

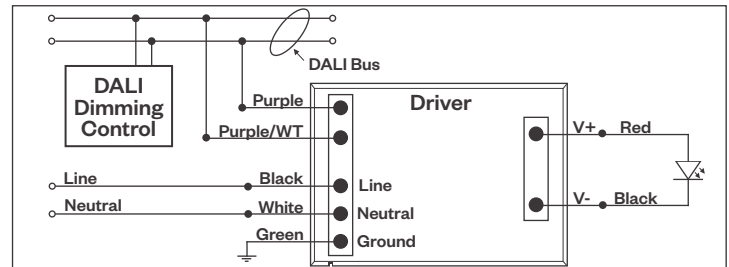
### DALI Dimming

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)**

**Central System**

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.