

# Classix® 6"

## 6" Round Lens Downlight



PROJECT:

TYPE:

### Features

The Classix lensed 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 and a commercial grade lens providing for a very wide flood beam distribution. Remodeler version is ideal for existing applications as this fixture installs from-below into ceilings.



### Product Overview

Type: Recessed Round Downlight  
 Wattage: 25W, 34W, 45W, 52W  
 Color Temp: 2700K, 3000K, 3500K, 4000K  
 CRI: 83 typ. (2700K, 3000K, 3500K, 4000K)  
 90+ typ. (2700K, 3000K)  
 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	Remodeler	Trim
Yes	Yes	Yes	Yes

#### Performance Data

Watts	Delivered Lumens	LPW	CBCP	Color Temp-CRI
25	1933	78.1	1665	3000K-83
34	2589	76.2	2227	3000K-83
45	3282	72.9	2823	3000K-83
52	3647	70	3137	3000K-83

Data is based on 52W 3000K-83 120V IES files available on website.

See pg 5 for other beam spreads.

#### Electrical Data

	25W		34W		45W		52W	
Voltage	System Watts	Amps	System Watts	Amps	System Watts	Amps	System Watts	Amps
120V	25	0.21	34	0.28	45	0.38	52	0.43
277V	25	0.09	34	0.12	45	0.16	52	0.19

Electronic constant current LED driver.

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## Ordering Information - Housing/Frame

1	2	3	4	5
1 Model	2 Wattage	3 Voltage	4 Driver (for non-dimming, select LE/TE option)	5 Options/Accessories
For New Construction <b>CLX-R6-NC-A17</b> (New Construction)	25 34 45 52	120 277	LE/TE TRIAC/ELV dimming, 5% dim 0-10V 0-10V dimming, 1% dim DALI DALI dimming, 1% dim (25W, 34W & 45W only)	EM emergency battery pack with remote test switch (not available for use with REM option) HB49 hanger bars from min 29" to max 49" (not available for use with REM option) Note: 26" hanger bars are included as standard. Choose <b>HB49</b> option above for larger mounting spaces only.
For Existing Ceilings <b>CLX-R6-REM-A17</b> (Remodeler)				

## Ordering Information - Trim

CLX-RLD6-A17	VWF		
1	2	3	4
1 Model	2 Finish	3 Beam Spread	4 Color Temp
CLX-RLD6-A17	SDW semi-diffuse, white flange SDC semi-diffuse, clear flange (flange finish matches cone finish)	VWF very wide flood, 65°	
83 CRI	90+ CRI		
27 2700K-83	279 2700K-90+ CRISP CrispWhite		
30 3000K-83	309 3000K-90+ 3CLA 3K Class A		
35 3500K-83			
40 4000K-83			

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## Specifications

### Application

Retail, commercial and hospitality ambient lighting

### Construction

20 ga. galvanized steel frame  
18 ga. galvanized steel splice housing and hanger brackets (*not for Remodeler version*)  
Passive cooling  
Extruded aluminum heat sink

### Optical

Engineered nano technology lens provides transmission while concealing LED image  
Spun aluminum semi-diffuse aperture cone  
Very Wide Flood batwing distribution, 65°

### LED

Color Temp Options: 2700K, 3000K, 3500K, 4000K, CRISP, Class A  
CRI: 83 typ. (2700K, 3000K, 3500K, 4000K)  
90+ typ. (2700K, 3000K)  
CrispWhite\* and Class A\*\* 3000K (*high CRI, high gamut*) available (see description below)  
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: 25W, 34W, 45W, 52W  
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 6-7 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 (*except for Remodeler versions*)  
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

### Emergency Battery Pack (EM)

IOTA ILB-CP05 Emergency battery pack with remote test switch, output of 5W (*approx. 300 lumens*) for 90 minutes



# Classix® 6"

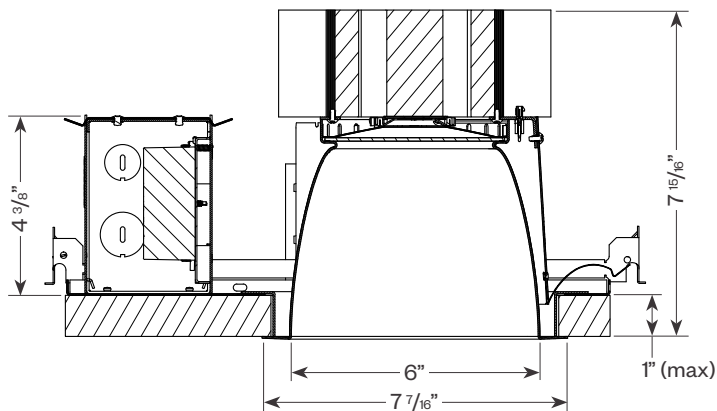
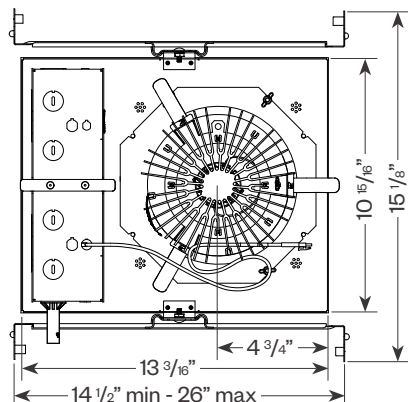
6" Round Lens Downlight



PROJECT:

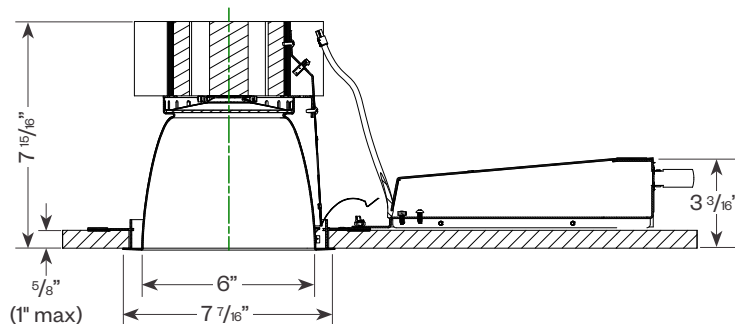
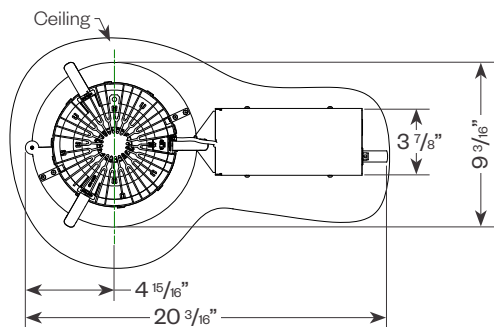
TYPE:

## Product Details - New Construction



Ceiling Cut Out: 7" dia.

## Product Details - Remodeler



Ceiling cut out: 7" dia.



# Classix® 6"

6" Round Lens Downlight



PROJECT:

TYPE:

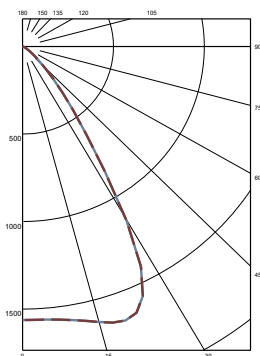
## Performance Data

**Multiplying Factors:** (Multiplying Factor is based on 3000K-83 120V IES file on website)

Wattage:	34W	45W	52W
Factor:	0.71	0.90	1.0

CCT:	2700K-83	3000K-83	3500K-83	4000K-83	2700K-90+	3000K-90+	CRISP	3CLA
Factor:	0.96	1.0	1.02	1.04	0.80	0.83	0.65	0.70

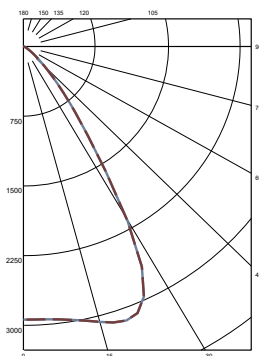
Very Wide Flood Distribution,  
LTL #1031470  
25W, Lumens: 1,933



Candelas at Nadir

Deg	Candela
0	1563
5	1566
15	1629
25	1573
35	617
45	181

Very Wide Flood Distribution,  
LTL #1031468  
52W, Lumens: 3,647



Candelas at Nadir

Deg	Candela
0	2938
5	2945
15	3067
25	2969
35	1167
45	343

## Application Data

### Notes and Definitions:

Beam spread is to 50% center beam candlepower (CBCP).

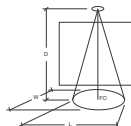
**D**=Distance to floor or wall.

**FC**=Footcandles on floor or wall at center beam aiming location.

**L**=Effective Visual Beam length in feet (50% of maximum footcandle level).

**W**=Effective Visual Beam width in feet (50% of maximum footcandle level).

**CB**=Distance across or down to center beam location.



0° Aiming Angle  
Horizontal  
Footcandles

	D	FC	L	W
25W	5.0'	63	5.6	5.6
	7.5'	28	8.6	8.6
	10.0'	16	11.4	11.4
	12.5'	10	14.5	14.5



0° Aiming Angle  
Horizontal  
Footcandles

	D	FC	L	W
52W	5.0'	118	5.6	5.6
	7.5'	53	8.6	8.6
	10.0'	30	11.4	11.4
	12.5'	19	14.5	14.5

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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 ---

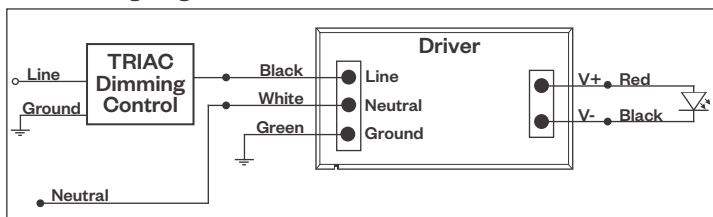
### TRIAC (Forward Phase) Dimming

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"	

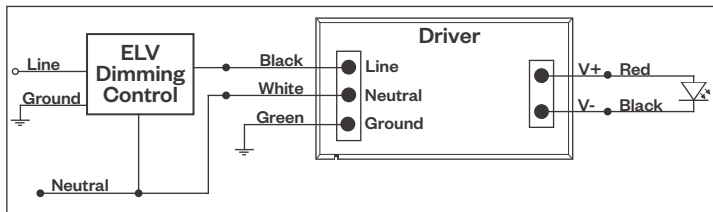
### ELV - Electronic Low Voltage (Reverse Phase) Dimming

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 ---**

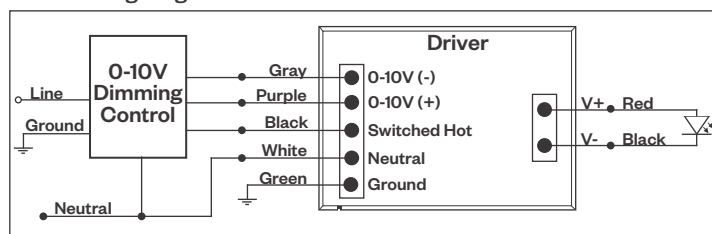
### 0-10V Dimming

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	Lutron Grafik Eye with GRX-TVI Interface
Leviton Renoir II 0-10V	

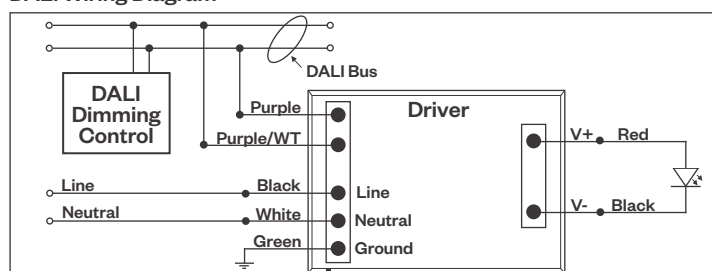
### DALI Dimming

Digital control protocol allows individual fixture control

#### Notes:

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

### DALI Wiring Diagram

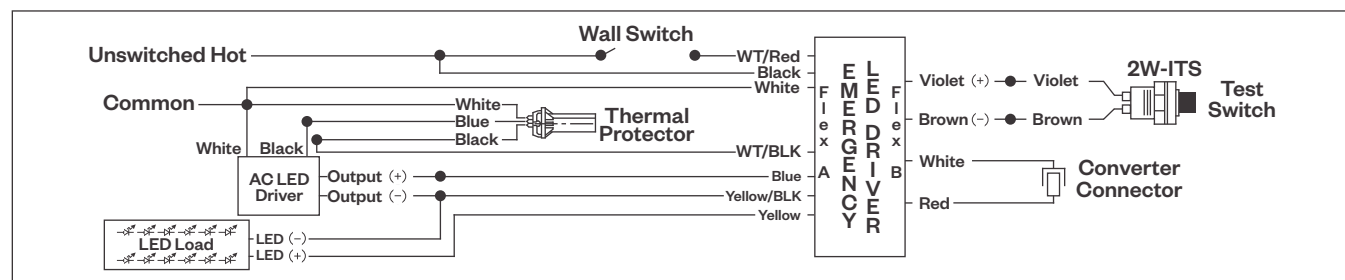


#### Compatible Dimmers†:

Wall Box (3-Wire Fluorescent)	Central System
Leviton CD250 Controller	Dynalite
	Fifth Light

## Emergency Battery Pack

### 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.