Classix® 6"
6" Round Lens Downlight

amerlux

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.

CLX-RLD6

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

CSA c US | 5 year limited warranty AMERLUX LED

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

Voltage	25W		34W		45W		52W	
	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)*
	For New Construction			**25**		**120**		**LE/TE** TRIAC/ELV dimming, 5% dim
	CLX-R6-NC-A17 *(New Construction)*			**34**		**277**		**0-10V** 0-10V dimming, 1% dim
				45				**DALI** DALI dimming, 1% dim *(25W, 34W & 45W only)*
	For Existing Ceilings			**52**				
	CLX-R6-REM-A17 *(Remodeler)*							

5	Options/Accessories
	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 **HB49** option above for larger mounting spaces only.*

Ordering Information - Trim

CLX-RLD6-A17 . _____ . VWF . _____
　 1　　　　 **2**　 **3**　　 **4**

1	Model	2	Finish	3	Beam Spread
	CLX-RLD6-A17		**SDW** semi-diffuse, white flange		**VWF** very wide flood, 65°
			SDC semi-diffuse, clear flange *(flange finish matches cone finish)*		

4	Color Temp			
	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

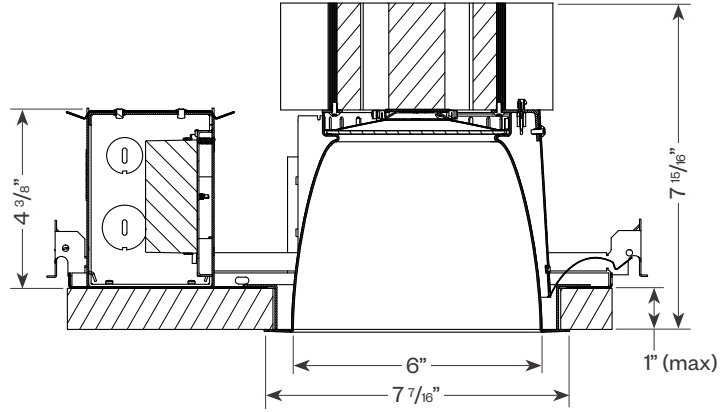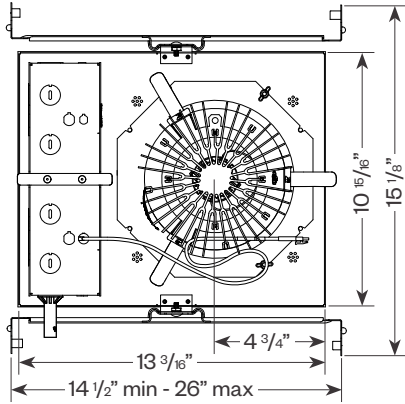## Delta Intelligent Building Technologies

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Product Details - New Construction

10 ^{15}/$_{16}$"
15 ^{1}/$_{8}$"
4 ^{3}/$_{4}$"
13 ^{3}/$_{16}$"
14 ^{1}/$_{2}$" min - 26" max

4 ^{3}/$_{8}$"
7 ^{15}/$_{16}$"
1" (max)
6"
7 ^{7}/$_{16}$"

Ceiling Cut Out: 7" dia.

Product Details - Remodeler

Ceiling

3 ^{7}/$_{8}$"
9 ^{3}/$_{16}$"
4 ^{15}/$_{16}$"
20 ^{3}/$_{16}$"

7 ^{15}/$_{16}$"
^{5}/$_{8}$"
(1" max)
6"
7 ^{7}/$_{16}$"
3 ^{3}/$_{16}$"

Ceiling cut out: 7" dia.

Delta Intelligent Building Technologies
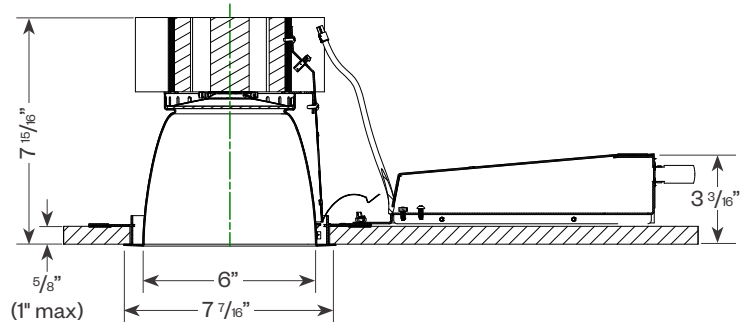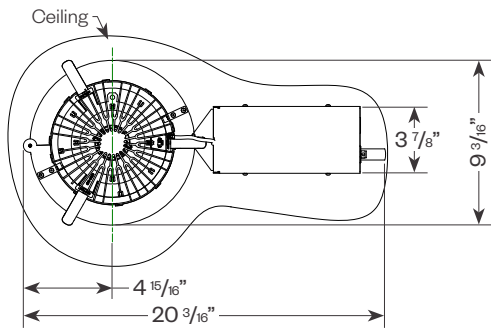
Classix® 6"
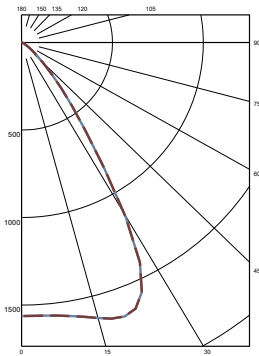## 6" Round Lens Downlight

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
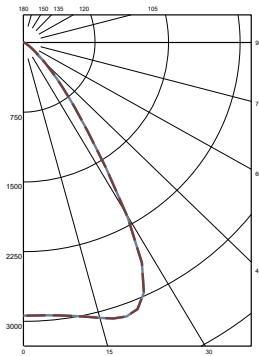
Candelas at Nadir

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

Application Data

Notes and Definitions:

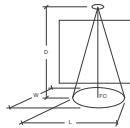Beam spread is to 50% center beam candlepower *(CBCP).*
D=Distance to floor or wall.
FC=Footcandles on floor or wall at center beam aiming location.
L=Effective Visual Beam length in feet *(50% of maximum footcandle level).*
W=Effective Visual Beam width in feet *(50% of maximum footcandle level).*
CB=Distance across or down to center beam location.

0° Aiming Angle
Horizontal
Footcandles

25W	D	FC	L	W
	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

52W	D	FC	L	W
	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
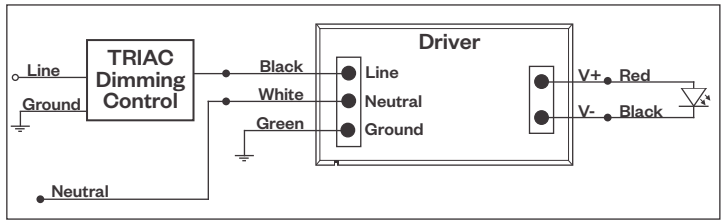
Compatible Dimmers†:

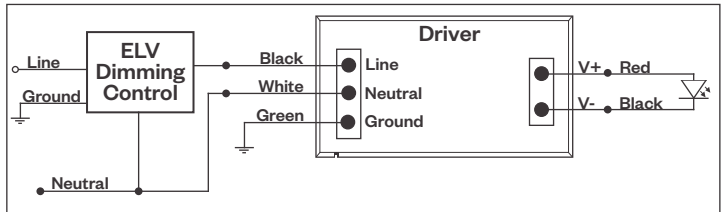| Wall Box *(TRIAC 120VAC)*	Central System
Lutron "Diva"	Lutron "GP" Panel
Lutron "Nova-T"	Lutron Grafik Eye QS
Lutron "Maestro"	
Lutron "Skylark"	

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)*

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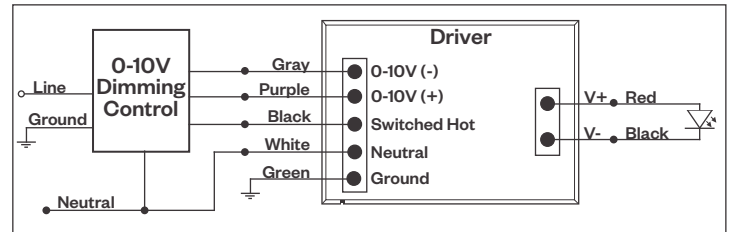
0-10V Dimming
Integrates into a variety of building management and daylighting controls

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

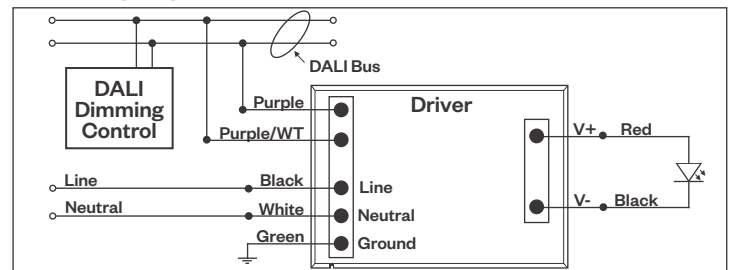| Compatible Dimmers†:		
Wall Box		**Central System**
Lutron "Diva" - DVSTV	Leviton Renoir II 0-10V	Lutron Grafik Eye with GRX-TVI Interface

DALI Dimming
Digital control protocol allows individual fixture control

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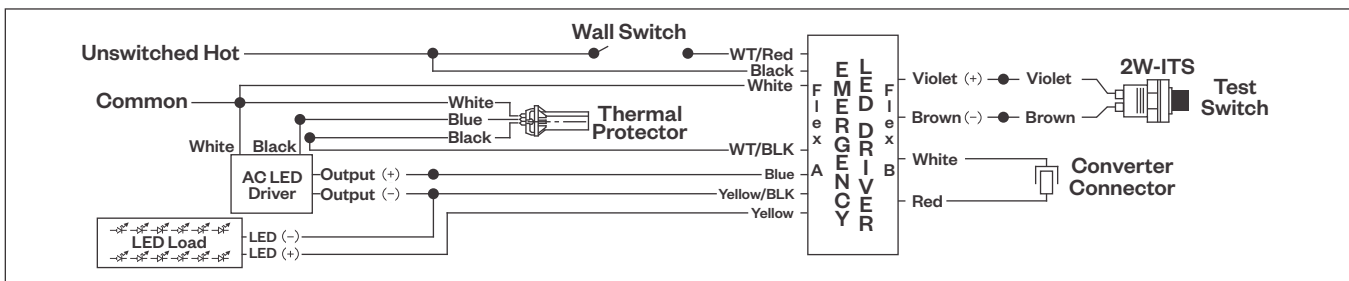- Dims down to 1% light output in most cases

Compatible Dimmers†:	
Wall Box *(3-Wire Fluorescent)*	**Central System**
Leviton CD250 Controller	Dynalite
	Fifth Light

DALI Wiring Diagram

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.