

Classix® 6" HP

6" High Power Round Downlight



PROJECT:

TYPE:

Features

The Classix 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, and an optional commercial grade lens.



Product Overview

Type: Recessed Round Downlight
Wattage: 73W
Color Temp: 2700K, 3000K, 3500K, 4000K
CRI: 83 typ. (2700K, 3000K, 3500K, 4000K)
90+ typ. (2700K, 3000K, 3500K)
3K Class A LED available
Dimming: 0-10V, 1% Dim, 120/277VAC

Certifications



Fixture Summary

Fixture Type

Round	New Construction	Trim
Yes	Yes	Yes

Performance Data

Watts	Delivered Lumens	LPW	CBCP	Color Temp-CRI
73	4751	65.2	21,240	3000K-83

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

Data is Spot optic. See pg 5 for other beam spreads.

Electrical Data

73W		
Voltage	System Watts	Amps
120V	73	0.61
277V	73	0.26

Electronic constant current LED driver.

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Ordering Information - Housing/Frame

CLX-HP-R6-NC-A17 . 73 . 0-10V .

1
2
3
4
5

1	Model	2	Wattage	3	Voltage	4	Driver <i>(for non-dimming, select 0-10V option)</i>
	For New Construction CLX-HP-R6-NC-A17 <i>(New Construction)</i>		73		120 277		0-10V 0-10V dimming, 1% dim

5	Options/Accessories
	<p>EM emergency battery pack with remote test switch</p> <p>HB49 hanger bars from min 29" to max 49"</p> <p><i>Note: 26" hanger bars are included as standard.</i></p> <p>Choose HB49 option above for larger mounting spaces only.</p>

Ordering Information - Trim

CLX-HP-RD6-A17

1
2
3
4

1	Model	2	Finish	3	Beam Spread
	CLX-HP-RD6-A17		SDW semi-diffuse, white flange SDC semi-diffuse, clear flange <i>(flange finish matches cone finish)</i>		SP spot, 22° FL flood, 32° WF wide flood, 44°

4	Color Temp		
	83 CRI	90+ CRI	
	27 2700K-83	279 2700K-90+	3CLA 3K Class A
	30 3000K-83	309 3000K-90+	
	35 3500K-83	359 3500K-90+	
	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
- Passive cooling
- Extruded aluminum heat sink

Optical

- Spun aluminum semi-diffuse aperture cone
- Spun aluminum upper reflector
- Beam Spreads: Spot, 22°; Flood, 32°; Wide Flood, 44°; Very Wide Flood, 47°

LED

- Color Temp Options: 2700K, 3000K, 3500K, 4000K, Class A
- CRI: 83 typ. (2700K, 3000K, 3500K, 4000K)
- 90+ typ. (2700K, 3000K, 3500K)
- Class A** 3000K 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
- * 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: 73W
- 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

- 0-10V dimming driver
- See page 5 for more dimming information

Finish (Trim)

- Wet paint

Mounting

- For use in T-grid or sheetrock ceilings
- 1" max ceiling thickness
- Adjustable hanger bars included (14 1/2" - 25" std.)
- (32"-48" Adjustable hanger bars available, consult factory)

Certifications

- CSA damp as tested to UL 1598 standards
- Damp location

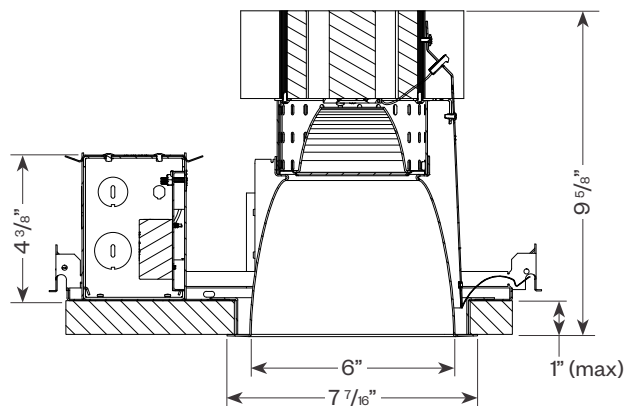
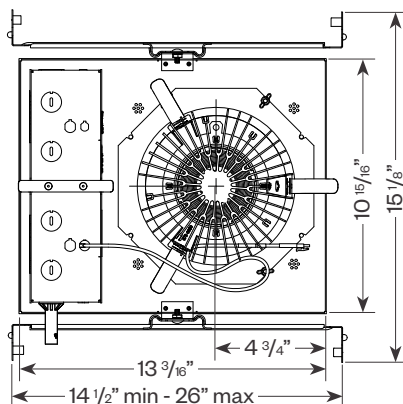
Warranty

- 5 year limited warranty

Emergency Battery Pack (EM)

- IOTA ILB-CPO5 Emergency battery pack with remote test switch, output of 5W (approx. 300 lumens) for 90 minutes

Product Details



Ceiling Cut Out: 7" dia.

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PROJECT:

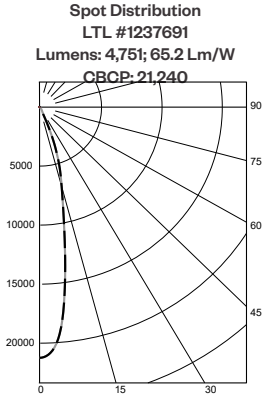
TYPE:

Performance Data

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

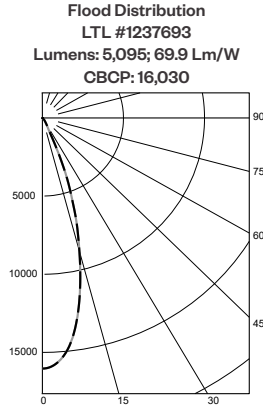
OCT:	2700K-83	3000K-83	3500K-83	2700K-90+	3000K-90+	3500K-90+	3CLA
Factor:	0.96	1.0	1.02	0.80	0.83	0.87	0.70

73W LED (3000K-83)



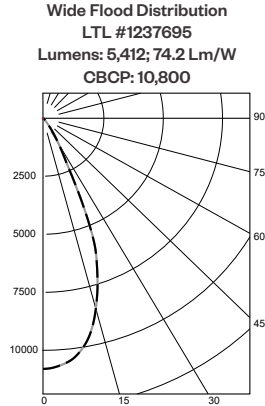
Candelas at Nadir

Deg	Candela
0	21240
5	19280
15	7193
25	1297
35	316
45	120



Candelas at Nadir

Deg	Candela
0	16030
5	15260
15	8858
25	1670
35	321
45	114



Candelas at Nadir

Deg	Candela
0	10800
5	10600
15	8433
25	3163
35	595
45	115

Application Data

Notes and Definitions:

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

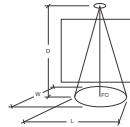
D=Distance to floor or wall.

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
SPOT	5.0'	852	1.9	1.9
	7.5'	379	3.1	3.1
	10.0'	213	3.8	3.8
	12.5'	137	4.9	4.9
FLOOD	5.0'	643	2.8	2.8
	7.5'	286	4.0	4.0
	10.0'	161	5.4	5.4
	12.5'	104	6.7	6.7
WIDE FLOOD	5.0'	434	3.6	3.6
	7.5'	193	5.4	5.4
	10.0'	109	7.2	7.2
	12.5'	70	9.0	9.0
VERY WIDE FLOOD	5.0'	300	3.9	3.9
	7.5'	134	5.8	5.8
	10.0'	76	7.9	7.9
	12.5'	49	9.8	9.8

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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 ---

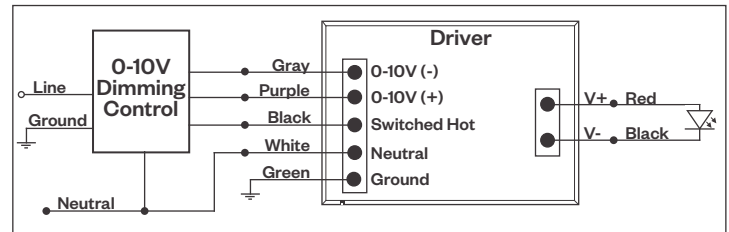
0-10V Dimming

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

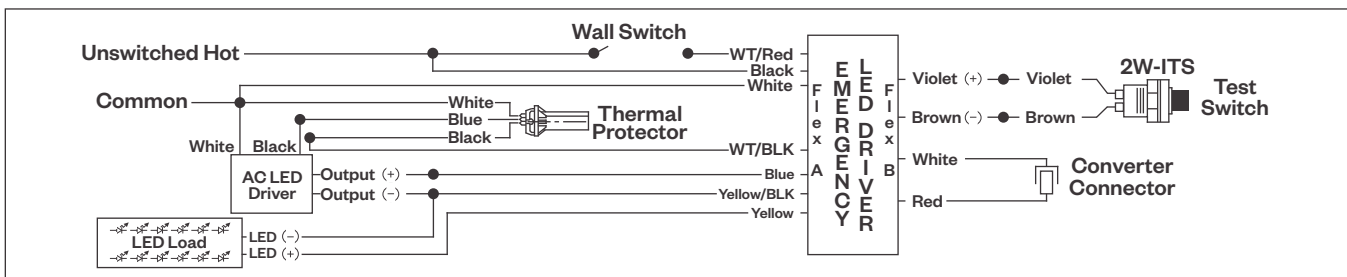


Compatible Dimmers†:

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

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.