

# Classix® 6" HP/HPX

## 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: 35W, 56W, 77W  
Color Temp: 2700K, 3000K, 3500K, 4000K, 5000K  
CRI: 90+ typ.  
Dimming: 0-10V, 1% Dim, 120/277VAC

### Certifications



### Fixture Summary

#### Fixture Type

Round	New Construction	Remodeler	Trim
Yes	Yes	Yes	Yes

#### Performance Data

Watts	Delivered Lumens	LPW	Color Temp-CRI
35	4173	119	3000K-90+
56	6176	110	3000K-90+
77	8346	106	3000K-90+

#### Electrical Data

	35W		56W		77W	
Voltage	System Watts	Amps	System Watts	Amps	System Watts	Amps
120V	36.5	0.30	57.5	0.48	78.5	0.65
277V	36.5	0.13	57.5	0.21	78.5	0.28

Electronic constant current LED driver.

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## Ordering Information - Housing/Frame

0-10V				
1	2	3	4	5
1 Model	2 Wattage	3 Voltage	4 Driver	
For New Construction	35	120	0-10V 0-10V dimming, 1% dim	
CLX-HP-R6-NC (New Construction, for 35W & 56W)	56	277		
CLX-HPX-R6-NC (New Construction, for 77W)	77			
For Existing Ceilings				
CLX-HP-R6-REM (Remodeler, for 35W & 56W)				
CLX-HPX-R6-REM (Remodeler, for 77W)				
5 Options/Accessories (New Construction Only)				
EM emergency battery pack with remote test switch (new construction only)				
HB49 hanger bars from min 29" to max 49"				
Note: 26" hanger bars are included as standard with new construction. Choose <b>HB49</b> option above for larger mounting spaces only.				

## Ordering Information - Trim

1	2	3	4
1 Model	2 Finish	3 Beam Spread	
CLX-HP-RD6 (use with 35W & 56W housing)	SDW semi-diffuse, white flange	SP spot, 22°	
CLX-HPX-RD6 (use with 77W housing)	SDC semi-diffuse, clear flange (flange finish matches cone finish)	FL flood, 30°	
		WF wide flood, 43°	
4 Color Temp			
279 2700K-90+			
309 3000K-90+			
359 3500K-90+			
409 4000K-90+			
509 5000K-90+			



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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, 30°; Wide Flood, 43°;

### LED

Color Temp Options: 2700K, 3000K, 3500K, 4000K, 5000K  
CRI: 90+ typ.  
R9 Values: 55 (92 CRI)  
Binning: 3 MacAdam (SDCM)  
Life: 50,000+ hrs, > 70% of initial lumens at 50,000 hrs

### Electrical

Wattage: 35W, 56W, 77W  
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 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



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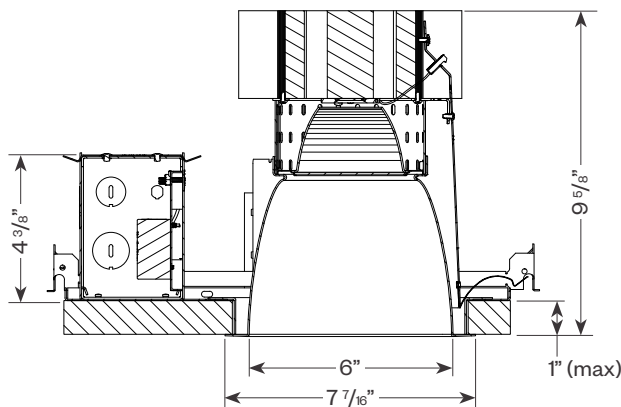
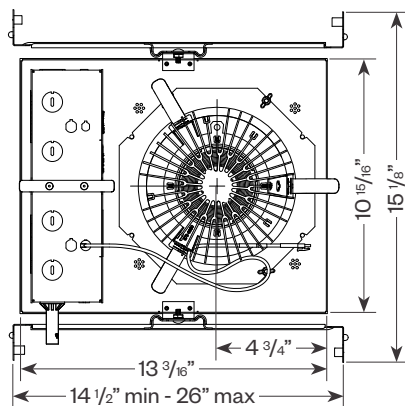
6" High Power Round Downlight



PROJECT:

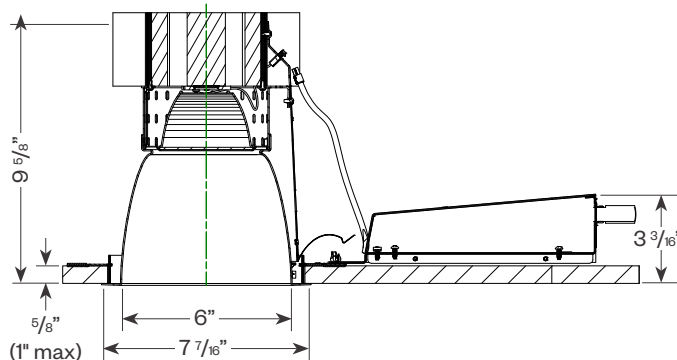
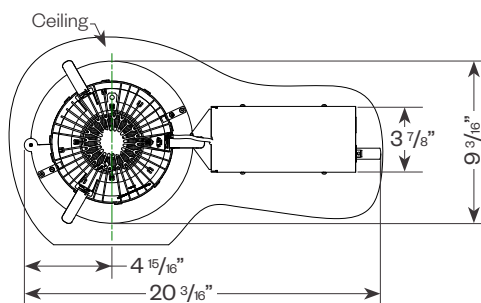
TYPE:

## Product Details



Ceiling Cut Out: 7" dia.

## Product Details - Remodeler



Ceiling cut out: 7" dia.

## Classix Round Downlight Performance Breakdown

Wattage	Color Temp.	SP (22°)		FL (30°)		WF (43°)	
		Lumens	LPW	Lumens	LPW	Lumens	LPW
35W	279	3669	105	3834	110	4006	114
	309	3822	109	3994	114	4173	119
	359	3860	110	4034	115	4215	120
	409	3898	111	4074	116	4256	122
	509	3860	110	4034	115	4215	120
56W	279	5430	97	5675	101	5929	106
	309	5657	101	5911	106	6176	110
	359	5713	102	5970	107	6238	111
	409	5770	103	6029	108	6300	112
	509	5713	102	5970	107	6238	111
77W	279	7338	93	7668	96	8012	102
	309	7644	97	7988	100	8346	106
	359	7720	98	8068	101	8429	107
	409	7797	99	8148	102	8513	108
	509	7720	98	8068	101	8429	107

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## Performance Data

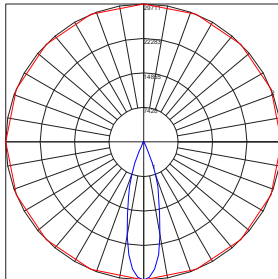
Multiplying Factors:

Wattage:	35W	56W	77W
Factor:	0.50	0.74	1.0

CCT:	2700K-90+	3000K-90+	3500K-90+	4000K-90+	5000K-90+
Factor:	0.96	1.0	1.01	1.02	1.01

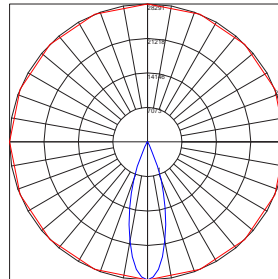
### 77W 3000K-90+

Spot Distribution  
106304745CRT-001  
Lumens: 7644



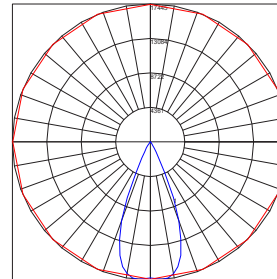
Candelas at Nadir	
Deg	Candela
0	29711
5	27485
15	12488
25	2282
35	371
45	104

Flood Distribution  
106304745CRT-002  
Lumens: 7988



Candelas at Nadir	
Deg	Candela
0	28291
5	26230
15	14048
25	2353
35	348
45	95

Wide Flood Distribution  
106304745CRT-003  
Lumens: 8346



Candelas at Nadir	
Deg	Candela
0	17195
5	17387
15	14783
25	4355
35	549
45	82

## Application Data

### Notes and Definitions:

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

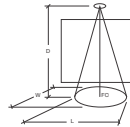
D=Distance to floor or wall.

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.



### Spot Distribution

0° Aiming Angle Horizontal Footcandles			
D	FC	L	W
10.0'	282	4.8	4.8
14.0'	147	6.5	6.5
18.0'	89	8.4	8.4
22.0'	60	10.2	10.2

### Flood Distribution

0° Aiming Angle Horizontal Footcandles			
D	FC	L	W
10.0'	270	5.2	5.2
14.0'	140	7.2	7.2
18.0'	85	9.3	9.3
22.0'	57	11.4	11.4

### Wide Flood Distribution

0° Aiming Angle Horizontal Footcandles			
D	FC	L	W
10.0'	172	7.3	7.3
14.0'	88	10.3	10.3
18.0'	54	13.3	13.3
22.0'	37	16.4	16.4



Delta Intelligent Building Technologies

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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 ---

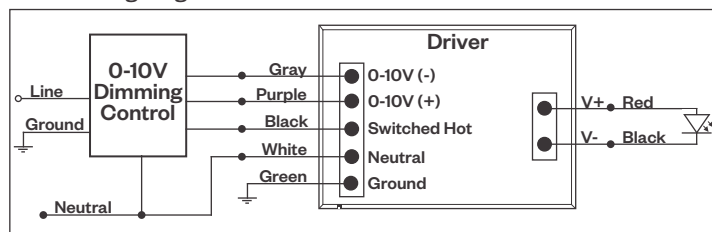
#### 0-10V Dimming

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

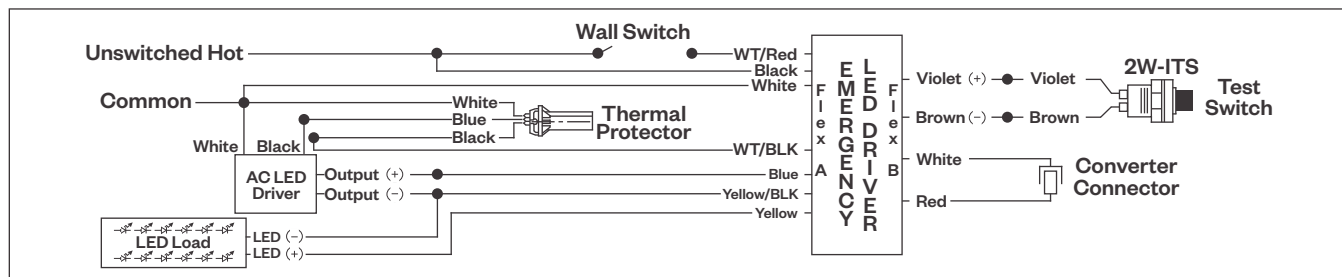


#### Compatible Dimmers†:

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.