

# 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	4207	120.2	5000K-90+
56	6187	110.5	5000K-90+
77	8100	105.2	5000K-90+

#### Electrical Data

	35W		56W		77W	
Voltage	System Watts	Amps	System Watts	Amps	System Watts	Amps
120V	35	0.29	56	0.47	77	0.64
277V	35	0.13	56	0.20	77	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	
<b>CLX-HP-R6-NC</b> (New Construction, for 35W & 56W)	56	277		
<b>CLX-HPX-R6-NC</b> (New Construction, for 77W)	77			
For Existing Ceilings				
<b>CLX-HP-R6-REM</b> (Remodeler, for 35W & 56W)				
<b>CLX-HPX-R6-REM</b> (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	
<b>CLX-HP-RD6</b> (use with 35W & 56W housing)	<b>SDW</b> semi-diffuse, white flange	<b>SP</b> spot, 22°	
<b>CLX-HPX-RD6</b> (use with 77W housing)	<b>SDC</b> semi-diffuse, clear flange (flange finish matches cone finish)	<b>FL</b> flood, 32°	
		<b>WF</b> wide flood, 44°	
4 Color Temp			
<b>279</b> 2700K-90+			
<b>309</b> 3000K-90+			
<b>359</b> 3500K-90+			
<b>409</b> 4000K-90+			
<b>509</b> 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, 32°; Wide Flood, 44°;  
Very Wide Flood, 47°

#### 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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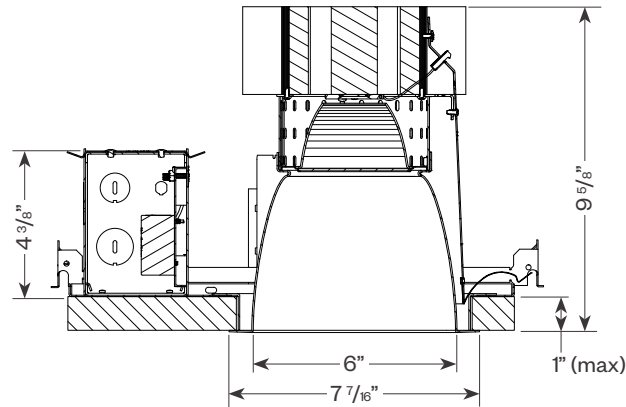
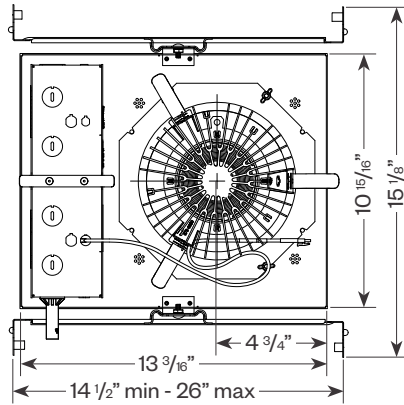
6" High Power Round Downlight



PROJECT:

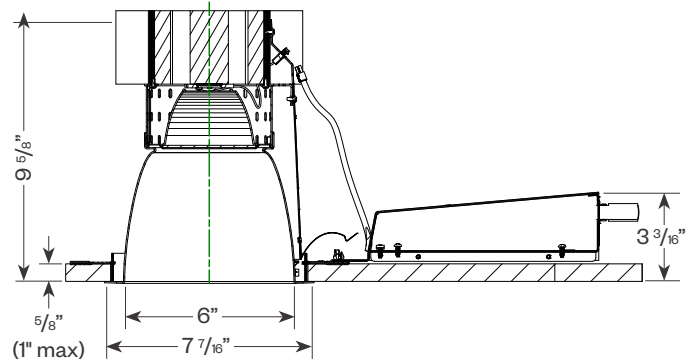
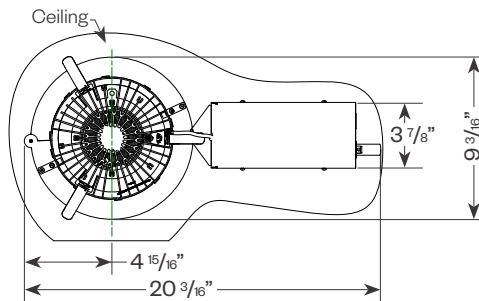
TYPE:

## 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 (32°)		WF (44°)	
		Lumens	LPW	Lumens	LPW	Lumens	LPW
35W	279	3743	107	3959	113	3997	114
	309	3901	111	4125	118	4165	119
	359	3940	113	4167	119	4207	120
	409	3979	114	4209	120	4249	121
	509	3940	113	4167	119	4207	120
56W	279	5504	98	5822	104	5878	105
	309	5736	102	6067	108	6125	109
	359	5794	103	6128	109	6187	110
	409	5852	105	6189	111	6249	112
	509	5794	103	6128	109	6187	110
77W	279	7206	94	7622	99	7695	100
	309	7509	98	7943	103	8019	104
	359	7585	99	8023	104	8100	105
	409	7661	99	8103	105	8181	106
	509	7585	99	8023	104	8100	105



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## Performance Data

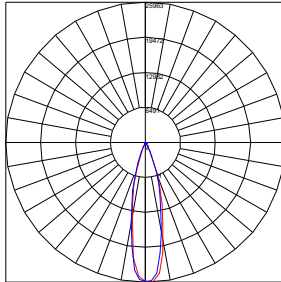
Multiplying Factors:

Wattage:	35W	56W	77W
Factor:	0.68	1.0	1.31

CCT:	2700K-90+	3000K-90+	3500K-90+	4000K-90+	5000K-90+
Factor:	0.95	0.99	1.0	1.01	1.0

56W 5000K-90+

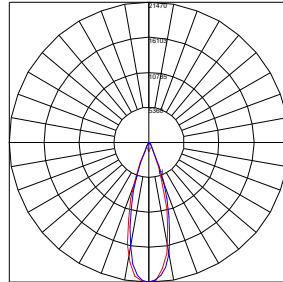
Spot Distribution  
Lumens: 5794  
CBCP: 25963



**Candelas at Nadir**

Deg	Candela
0	25878
5	24475
15	10493
25	1874
35	280
45	79

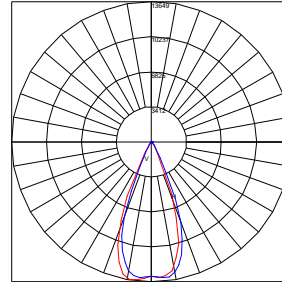
Flood Distribution  
Lumens: 6128  
CBCP: 21470



**Candelas at Nadir**

Deg	Candela
0	21470
5	20564
15	11913
25	1677
35	204
45	44

Wide Flood Distribution  
Lumens: 6187  
CBCP: 13649



**Candelas at Nadir**

Deg	Candela
0	13151
5	13333
15	11385
25	3375
35	370
45	56

## Application Data

### Notes and Definitions:

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

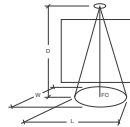
D=Distance to floor or wall.

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'	259	4.2	4.2
14.0'	133	5.8	5.8
18.0'	81	7.7	7.7
22.0'	54	9.35	9.5

Flood Distribution

0° Aiming Angle  
Horizontal  
Footcandles

D	FC	L	W
10.0'	215	5.2	5.2
14.0'	110	7.3	7.3
18.0'	67	9.6	9.6
22.0'	45	11.8	11.8

Wide Flood Distribution

0° Aiming Angle  
Horizontal  
Footcandles

D	FC	L	W
10.0'	142	7.0	7.0
14.0'	72	10.1	10.1
18.0'	43	13.1	13.1
22.0'	29	16.2	16.2



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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 ---

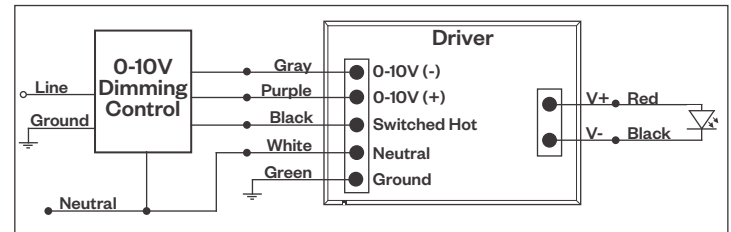
#### 0-10V Dimming

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

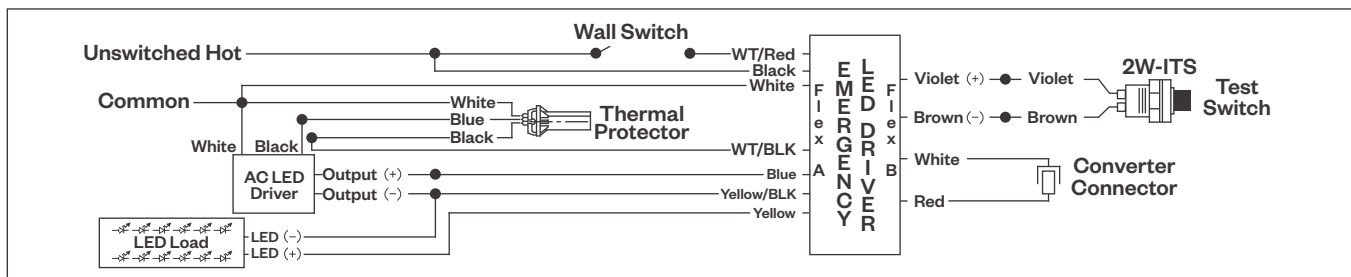
Lutron "Diva" - DVSTV

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.



Delta Intelligent Building Technologies

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Amerlux reserves the right to change details that do not affect overall function and performance.  
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