

# CLASSIX 6" DOWNLIGHT

## 6" ROUND DOWNLIGHT LED INTERNATIONAL

I-CLX-RD6  
LED



### APPLICATION:

Retail, commercial & hospitality ambient lighting

### CONSTRUCTION:

20 ga. galvanized steel frame  
Passive cooling  
Extruded aluminum heat sink

### ELECTRICAL:

Electronic constant current LED driver, 240v input  
Non-dimming standard

**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 damage is not covered by warranty.**

### MOUNTING:

For use in sheet rock ceilings

### OPTICS:

Spun aluminum semi-diffuse aperture cone  
Spun aluminum upper reflector

### LED:

Color Temp Options: 2700K, 3000K, 3500K, 4000K  
CRI: 83 typ. (2700K, 3000K, 3500K, 4000K)  
90+ typ. (2700K, 3000K)  
CrispWhite LED available  
R9 Values: 11 (83CRI), 55 (90+CRI)  
Binning: 3 MacAdam  
Life: 50,000 hrs  
Lumen Maintenance: >70% of initial lumens @ 50,000 hrs  
Lumen Output (3000K): up to 3607 lm; up to 79 lpw  
CBCP (3000K): up to 19,788  
Beam Options: Spot 15°, Flood 25°, Wide Flood 40°

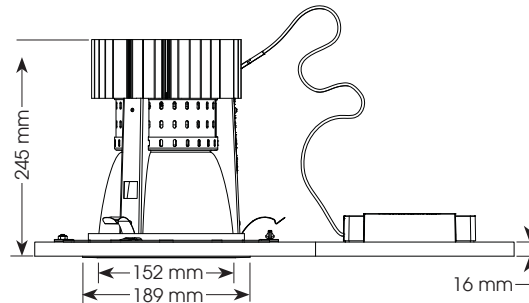
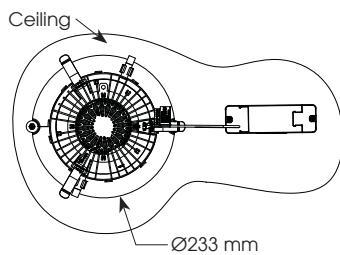
### LABELING:



Damp location  
For indoor use only

PROJECT:

TYPE:



Ceiling Cut Out Dimension: 178 mm dia.



### ELECTRICAL

Electronic driver

	23W		32W		43W		50W	
	System Watts	Amps	System Watts	Amps	System Watts	Amps	System Watts	Amps
240v	23	0.10	32	0.13	43	0.18	50	0.21

### ORDERING INFORMATION:

Model	Wattage	Lamp Type	Voltage	Aperture Finish	Beam Spread	Color Temp (CCT(K)-CRI)	Listing Code	Options
I-CLX-RD6	23 32 43 50	LED	240	Reflector with white painted flange SDW - semi-diffuse, white CLW - specular, white  Reflector with clear flange (flange finish matches cone finish) SDC - semi-diffuse, clear CDC - specular, clear	SP - spot, 15° FL - flood, 25° WF - wide flood, 40°	27 - 2700-83 30 - 3000-83 35 - 3500-83 40 - 4000-83 279 - 2700-90+ 309 - 3000-90+ CRISP - CrispWhite	CE	0-10V - 0-10v dimming DALI - DALI driver (23W, 32W, & 43W only)

Example: I-CLX-RD6-23-LED-240-SDW-WF-30-CE

Cat #:

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



**3** year limited warranty  
(see website for details)

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TYPE:



**FIXTURE DATA:**

Complete photometric data (.ies format) available upon request.

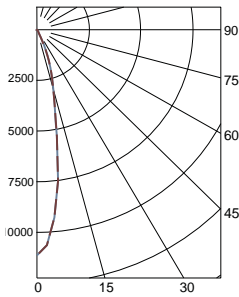
Multiplying Factors: 32W = 1.39; 43W = 1.87

CCT Correction Factors: 2700-83 = 0.96; 3500-83 = 1.02; 4000-83 = 1.04; 2700-90+ = 0.80; 3000-90+ = 0.83; CRISP = 0.65

**23W LED (3000K-83)**

SPOT  
DISTRIBUTION  
LTL # 1026868

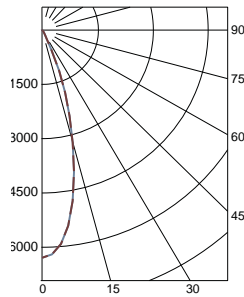
1970 lm, 79.0 lpw  
11,136 CBCP



Candelas at Nadir	
Deg	Candela
0	11136
5	9304
15	2887
25	440
35	93
45	39

FLOOD  
DISTRIBUTION  
LTL # 1026867

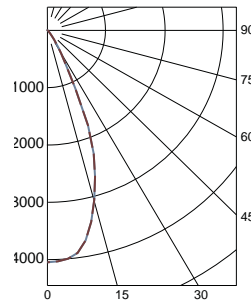
1866 lm, 74.9 lpw  
6290 CBCP



Candelas at Nadir	
Deg	Candela
0	6290
5	5927
15	3221
25	597
35	105
45	37

WIDE FLOOD  
DISTRIBUTION  
LTL # 1026866

1951 lm, 78.3 lpw  
4,046 CBCP



Candelas at Nadir	
Deg	Candela
0	4046
5	3998
15	3060
25	1114
35	197
45	37

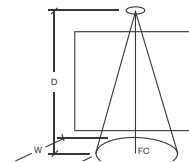
**APPLICATION DATA:**

**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.



	D	FC	L	W
SPOT	5.0'	444	1.6	1.6
	7.5'	198	2.7	2.7
	10.0'	112	3.4	3.4
	12.5'	72	4.3	4.3
FLOOD	5.0'	252	2.6	2.6
	7.5'	112	3.8	3.8
	10.0'	63	5.1	5.1
	12.5'	41	6.4	6.4
WIDE FLOOD	5.0'	162	3.5	3.5
	7.5'	72	5.2	5.2
	10.0'	41	7.0	7.0
	12.5'	26	8.7	8.7



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TYPE:



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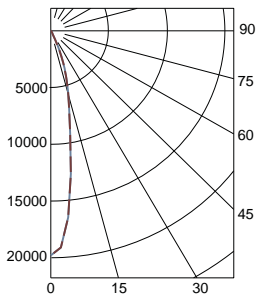
Multiplying Factors: 32W = 0.64; 43W = 0.86

CCT Correction Factors: 2700-83 = 0.96; 3500-83 = 1.02; 4000-83 = 1.04; 2700-90+ = 0.80; 3000-90+ = 0.83; CRISP = 0.65

### 50W LED

SPOT  
DISTRIBUTION  
LTL # 1026865

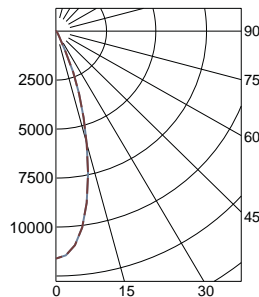
3563 lm, 68.5 lpw  
19,788 CBCP



Candelas at Nadir	
Deg	Candela
0	19788
5	16499
15	5520
25	813
35	173
45	73

FLOOD  
DISTRIBUTION  
LTL # 1026863

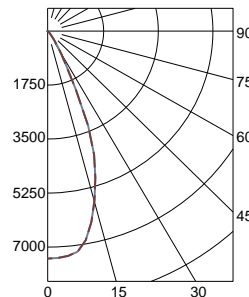
3457 lm, 66.4 lpw  
11,614 CBCP



Candelas at Nadir	
Deg	Candela
0	11614
5	10971
15	5987
25	1089
35	193
45	68

WIDE FLOOD  
DISTRIBUTION  
LTL # 1026864

3607 lm, 69.3 lpw  
7,373 CBCP



Candelas at Nadir	
Deg	Candela
0	7373
5	7315
15	5677
25	2088
35	350
45	70

### APPLICATION DATA:

#### Notes and Definitions:

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



	D	FC	L	W
SPOT	5.0'	790	1.6	1.6
	7.5'	352	2.7	2.7
	10.0'	198	3.4	3.4
	12.5'	127	4.1	4.1
FLOOD	5.0'	465	2.6	2.6
	7.5'	207	3.8	3.8
	10.0'	117	5.2	5.2
	12.5'	75	6.5	6.5
WIDE FLOOD	5.0'	296	3.5	3.5
	7.5'	132	5.3	5.3
	10.0'	74	7.0	7.0
	12.5'	48	8.9	8.9

