

# EVOKE®

## 4.75" SQUARE DOWNLIGHT LED INTERNATIONAL

I-E4.75SDX-A15  
LED

### APPLICATION:

Commercial & hospitality ambient lighting

### CONSTRUCTION:

18 ga. galvanized steel splice housing  
Die-cast aluminum heat sink

### OPTICS:

Die-cast aluminum seamless self-flanged trim  
High reflectance, highly diffuse mixing chamber in upper optic

### LED:

Color Temp: 2700K, 3000K, 3500K, 4000K  
CRI: 83 (2700K, 3000K, 3500K, 4000K)  
90+ typ. (2700K, 3000K, 3500K)  
CrispWhite & Class A LED available  
R9 Values: 11 (83CRI), 55 (90+CRI)  
Life: 50,000 hrs  
Lumen Maintenance: >70% of initial lumens @ 50,000 hrs  
Lumen Output (3000K): up to 3903 lm, up to 77 lm/w  
CBCP (3000K): up to 18,990  
Beam Options: Spot 15°, Flood 25°, Wide Flood 40°

### ELECTRICAL:

Electronic constant current LED driver, 240v input  
ELV or Triac dimming standard  
DALI driver option available  
**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 sheetrock ceilings, max ceiling thickness 25 mm  
Consult factory for other thicknesses

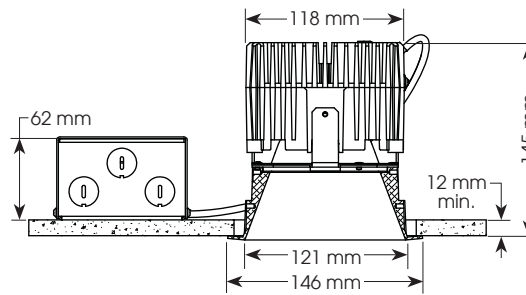
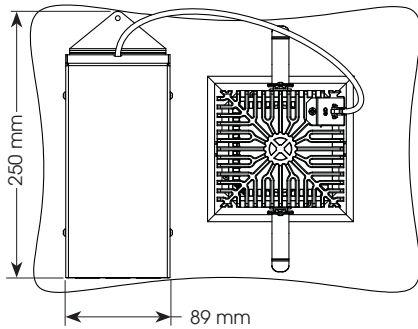
### LABELING:

**CE**  
Damp location  
For indoor use only



PROJECT:

TYPE:



Ceiling Cut Out Dimension: 137 mm sq.



### ELECTRICAL

Driver	34W		40W		46W	
	System Watts	Amps	System Watts	Amps	System Watts	Amps
Electronic 240v	34	0.14	40	0.17	46	0.19

### ORDERING INFORMATION:

Model	Wattage	Lamp Type	Voltage	Aperture Cone/Flange Finish	Beam Spread	Color Temp (CCT-CRI)	Listing	Options
I-E4.75SDX-A15	34 40 46	LED	240	MWW - matte white/white MBW - matte black/white SLVW - silver/white MBB - matte black/black	SP - spot, 15° FL - flood, 25° WF - wide flood, 40°	27 - 2700K-83 30 - 3000K-83 35 - 3500K-83 40 - 4000K-83 229 - 2200K-90+ 279 - 2700K-90+ 309 - 3000K-90+ 359 - 3500K-90+ 3CLA - 3K Class A CRISP - CrispWhite	CE	DALI - DALI driver

Example: I-E4.75SDX-A15-40-LED-240-MWW-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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LED



TYPE:



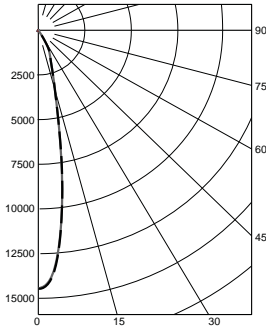
**FIXTURE DATA:** For 40W data, multiply 34W data by 1.2

Complete photometric data (ies format) available upon request.

CCT Correction Factors: 2700-83 = 0.96; 3500-83 = 1.02; 4000-83 = 1.04; 2200-90+ = 0.71; 2700-90+ = 0.80; 3000-90+ = 0.83; 3500-90+ = 0.87; CRISP = 0.65

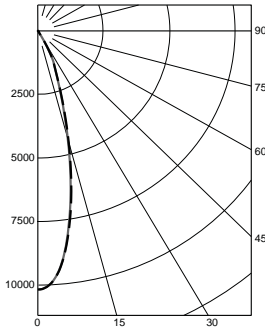
### 34W LED 3000K-83

**SPOT DISTRIBUTION**  
LTL # 1087053  
Lumen Output  
2899 lm; 79.1 lm/w



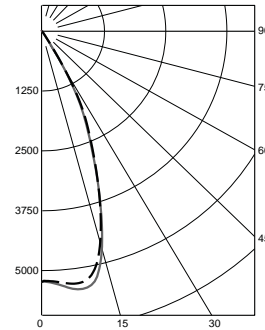
Candelas at Nadir	
Deg	Candela
0	14460
5	12180
15	3256
25	1367
35	68
45	55

**FLOOD DISTRIBUTION**  
LTL # 1087054  
Lumen Output  
3093 lm; 84.3 lm/w



Candelas at Nadir	
Deg	Candela
0	10170
5	9437
15	4481
25	1483
35	78
45	39

**WIDE FLOOD DISTRIBUTION**  
LTL # 1087055  
Lumen Output  
3108 lm; 84.7 lm/w

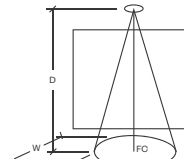


Candelas at Nadir	
Deg	Candela
0	5237
5	5351
15	4644
25	2048
35	163
45	43

### 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'	580	1.5	1.5
	7.5'	258	2.6	2.6
	10.0'	145	3.3	3.3
	12.5'	93	4.1	4.1
FLOOD	5.0'	408	2.4	2.4
	7.5'	182	3.5	3.5
	10.0'	102	4.7	4.7
	12.5'	66	5.8	5.8
WIDE FLOOD	5.0'	210	3.7	3.7
	7.5'	95	5.6	5.6
	10.0'	54	7.4	7.4
	12.5'	34	9.3	9.3

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LED



TYPE:



**FIXTURE DATA:**

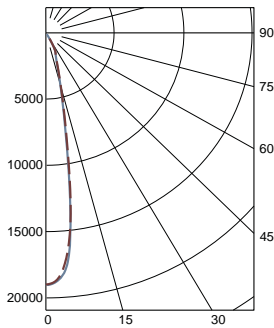
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**46W LED**

SPOT  
DISTRIBUTION  
LTL # 1087052

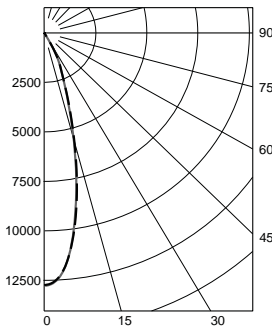
Lumen Output  
3738 lm; 79.2 lm/w



Candelas at Nadir	
Deg	Candela
0	18990
5	17600
15	4051
25	1629
35	81
45	64

FLOOD  
DISTRIBUTION  
LTL # 1087051

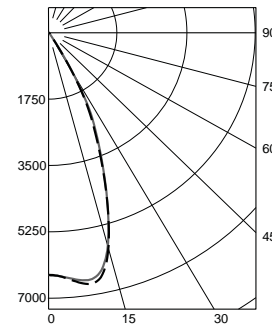
Lumen Output  
3887 lm; 82.4 lm/w



Candelas at Nadir	
Deg	Candela
0	12750
5	11880
15	5670
25	1877
35	91
45	47

WIDE FLOOD  
DISTRIBUTION  
LTL # 1087050

Lumen Output  
3903 lm; 82.7 lm/w

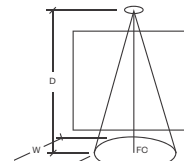


Candelas at Nadir	
Deg	Candela
0	6385
5	6506
15	5766
25	2738
35	221
45	53

**APPLICATION DATA:**

**Notes and Definitions:**

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 CB=Distance across or down to center beam location.



	D	FC	0° Aiming Angle Horizontal Footcandle	
			L	W
SPOT	5.0'	762	1.5	1.6
	7.5'	339	2.8	2.8
	10.0'	191	3.4	3.4
	12.5'	122	4.2	4.3
FLOOD	5.0'	511	2.4	2.5
	7.5'	228	3.5	3.6
	10.0'	128	4.7	4.8
	12.5'	82	5.8	5.9
WIDE FLOOD	5.0'	257	3.8	3.8
	7.5'	116	5.7	5.7
	10.0'	66	7.5	7.5
	12.5'	42	9.5	9.5