

EVOKE®

4.75" SQUARE DOWNLIGHT LED INTERNATIONAL

I-E4.75SD-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 2250 lm, up to 77 lm/w
CBCP (3000K): up to 14,560
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

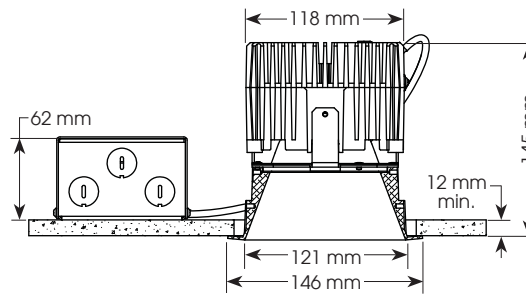
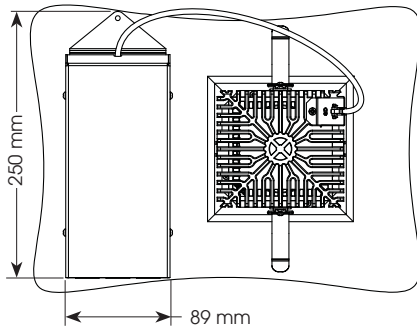
LABELING:

CE
Damp location
For indoor use only



PROJECT:

TYPE:



Ceiling Cut Out Dimension: 137 mm sq.



ELECTRICAL

Driver	16w		19w		27w	
	System Watts	Amps	System Watts	Amps	System Watts	Amps
Electronic 240v	16	0.07	19	0.08	27	0.11

ORDERING INFORMATION:

Model	Wattage	Lamp Type	Voltage	Aperture Cone/Flange Finish	Beam Spread	Color Temp (CCT-CRI)	Listing	Options
I-E4.75SD-A15	16 19 27	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-E4.75SD-A15-19-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 19W data, multiply 16W data by 1.1

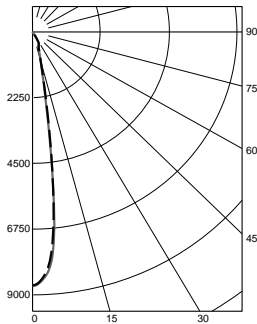
Complete photometric data (ies format) available upon request.

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

16W LED 3000K-83

SPOT
DISTRIBUTION
LTL #1085464

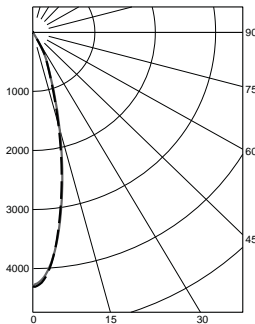
Lumen Output
1170 lm; 74.2 lm/w



Candelas at Nadir	
Deg	Candela
0	8683
5	7514
15	956
25	466
35	25
45	23

FLOOD
DISTRIBUTION
LTL #1085465

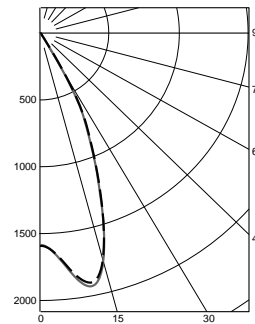
Lumen Output
1187 lm; 75.4 lm/w



Candelas at Nadir	
Deg	Candela
0	4305
5	3828
15	1733
25	549
35	24
45	18

WIDE FLOOD
DISTRIBUTION
LTL #1085466

Lumen Output
1183 lm; 75.1 lm/w

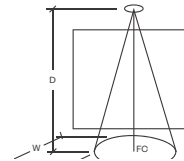


Candelas at Nadir	
Deg	Candela
0	1592
5	1703
15	1763
25	813
35	62
45	19

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	0° Aiming Angle Horizontal Footcandle	
			L	W
SPOT	5.0'	394	1.2	1.2
	7.5'	168	1.9	1.9
	10.0'	93	2.9	2.9
	12.5'	59	3.4	3.4
FLOOD	5.0'	195	2.0	2.0
	7.5'	83	3.2	3.1
	10.0'	46	4.2	4.1
	12.5'	29	5.3	5.2
WIDE FLOOD	5.0'	82	3.7	3.8
	7.5'	35	5.7	5.7
	10.0'	19	7.7	7.7
	12.5'	13	9.6	9.7

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LED



TYPE:



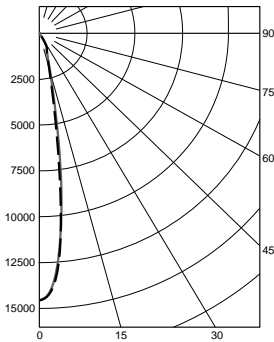
FIXTURE DATA: For 19W data, multiply 27W data by 0.70

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

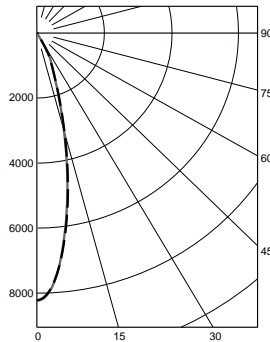
27W LED

SPOT
DISTRIBUTION
LTL #1085469
Lumen Output
2140 lm; 73.6 lm/w



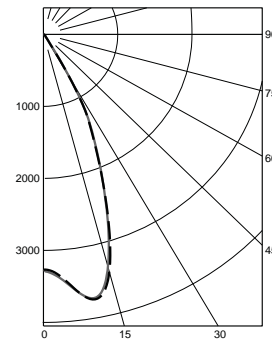
Candelas at Nadir	
Deg	Candela
0	14560
5	11710
15	1994
25	896
35	66
45	44

FLOOD
DISTRIBUTION
LTL #1085468
Lumen Output
2249 lm; 77.3 lm/w



Candelas at Nadir	
Deg	Candela
0	8226
5	7332
15	3186
25	1035
35	44
45	33

WIDE FLOOD
DISTRIBUTION
LTL #1085467
Lumen Output
2250 lm; 77.3 lm/w

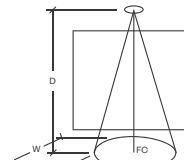


Candelas at Nadir	
Deg	Candela
0	3267
5	3461
15	3302
25	1551
35	124
45	35

APPLICATION DATA:

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 CB=Distance across or down to center beam location.



	0° Aiming Angle Horizontal Footcandle			
	D	FC	L	W
SPOT	5.0'	661	1.3	1.3
	7.5'	282	2.1	2.0
	10.0'	155	2.9	2.9
	12.5'	98	3.5	3.4
FLOOD	5.0'	374	2.0	2.0
	7.5'	159	3.1	3.2
	10.0'	88	4.2	4.2
	12.5'	56	5.2	5.3
WIDE FLOOD	5.0'	158	3.7	3.7
	7.5'	69	5.6	5.6
	10.0'	38	7.6	7.5
	12.5'	24	9.5	9.5