

CYLINDRIX® III

INTERNATIONAL RECESSED TRIMLESS MULTIPLE 1LT LED

I-C3RTLX-A14-1
1LT LED

APPLICATION:

Retail & commercial accent & display lighting

CONSTRUCTION:

Die-cast aluminum heat sink and lamp housing
Formed steel upper housing and mounting frame
Steel plaster frame
Passive cooled
Powder coat paint, custom colors available, consult factory

ELECTRICAL:

Electronic constant current LED driver, 240v input
ELV and Triac 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:

LED cluster

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)

Life: 50,000 hrs

Lumen Output (31W): SP 2,345; FL 2,227; WF 2,264

CBCP (31W): SP 18,677; FL 8,683; WF 4,223

LPW: Up to 75 lpw

0-45° x 25° tilt, 360° rotation

Beam Options: Spot 15°, Flood 25°, Wide Flood 40°

Field interchangeable spun aluminum reflectors

LABELING:

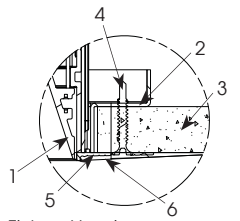
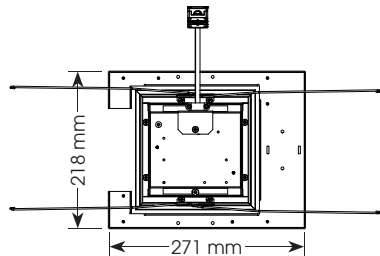
CE

For indoor use only



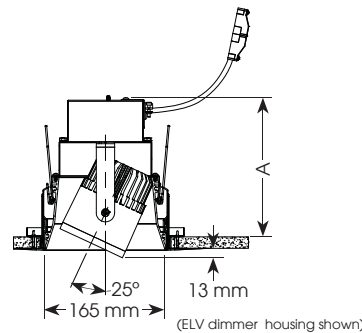
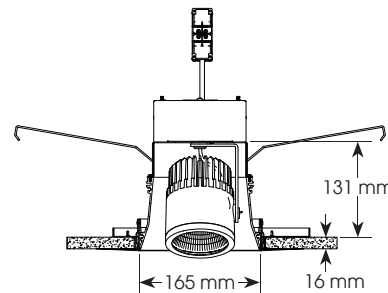
PROJECT:

TYPE:



1. Fixture Housing
2. Fixture Frame
3. Ceiling 5/8" min.
4. Drywall Screws (by others)
5. Plaster Frame
6. Plaster Finish (by others)

Ceiling cut out dimension: 181 mm x 181 mm



(ELV dimmer housing shown)

Dimmer	A
ELV	194
DALI	218

Electrostatic sensitive device,
observe precautions for
handling



ELECTRICAL

Electronic driver

	16W			19W			23W			27W			31W		
	System			System			System			System			System		
	Watts	Amps		Watts	Amps		Watts	Amps		Watts	Amps		Watts	Amps	
240v	16	0.07		19	0.08		23	0.10		27	0.11		31	0.13	

ORDERING INFORMATION:

Model	# Heads	Wattage	Lamp Type	Housing/ Head Finish	Voltage	Beam Spread	Color Temp (CCT(K)-CRI)	Listing Code	Options/ Accessories
I-C3RTLX-A14	1	16 19 23 27 31	LED	WT - white texture BT - black texture ST - silver texture — (other RAL)	220-240	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	HEX - hexcell louver SL - linear spread lens, requires snoot CL - clear glass lens SOL - solite beam softening lens SN - snoot, 3/4" deep (required when more than 1 accessory is used) CB - cross blade, requires snoot DALI - DALI driver

Example: I-C3RTLX-A14-1-31-LED-WT-220-240-FL-30-CE

Cat #:

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

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1LT LED



TYPE:

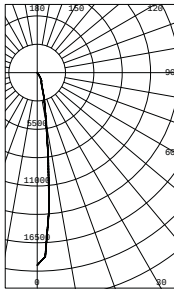


FIXTURE DATA: Multiplying Factors: 0.52 for 16W; 0.61 for 19W; 0.74 for 23W; 0.87 for 27W

Complete photometric data (ies format) available upon request.

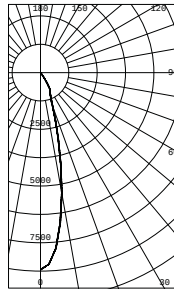
31W LED

SPOT
DISTRIBUTION
LTL # 851724



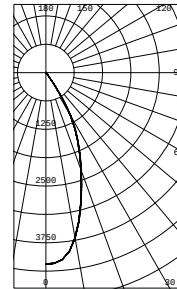
Candelas at Nadir	
Deg	Candela
0	18677
5	13251
15	2560
25	952
35	228
45	12

FLOOD
DISTRIBUTION
LTL # 851725



Candelas at Nadir	
Deg	Candela
0	8683
5	7773
15	3031
25	1009
35	253
45	20

WIDE FLOOD
DISTRIBUTION
LTL # 851726

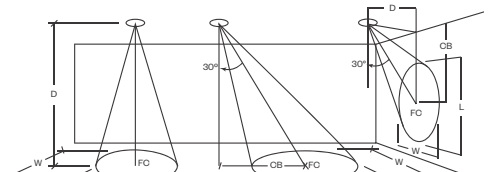


Candelas at Nadir	
Deg	Candela
0	4223
5	4139
15	2980
25	1658
35	323
45	26

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.



		0° Aiming Angle Horizontal Footcandles					30° Aiming Angle Horizontal Footcandles					30° Aiming Angle Vertical Footcandles					60° Aiming Angle Vertical Footcandles			
SPOT	D	FC	L	W	D	FC	L	W	CB	D	FC	L	W	CB	D	FC	L	W	CB	
	5.0'	745	1.3	1.3	5.0'	463	1.7	1.4	3.0	3.0'	279	2.9	1.4	5.0	3.0'	1010	1.4	1.1	2.0	
	7.5'	332	1.7	1.7	7.5'	221	2.4	2.0	4.0	4.0'	168	3.7	1.7	6.0	4.0'	723	1.5	1.2	2.0	
	10.0'	187	2.6	2.6	10.0'	116	3.4	3.0	5.0	5.0'	108	4.3	2.4	8.0	5.0'	465	1.7	1.4	3.0	
	12.5'	120	3.1	3.1	12.5'	79	4.0	3.5	7.0	6.0'	75	5.3	2.8	9.0	6.0'	322	2.2	1.6	3.0	
FLOOD	D	FC	L	W	D	FC	L	W	CB	D	FC	L	W	CB	D	FC	L	W	CB	
	5.0'	347	2.1	2.1	5.0'	217	2.8	2.5	3.0	3.0'	168	3.6	2.1	4.0	3.0'	524	2.2	1.4	2.0	
	7.5'	154	3.2	3.2	7.5'	104	3.9	3.5	4.0	4.0'	93	4.7	2.9	5.0	4.0'	369	2.1	1.8	2.0	
	10.0'	87	4.1	4.1	10.0'	59	5.2	4.7	5.0	5.0'	60	5.8	3.6	7.0	5.0'	218	2.8	2.5	3.0	
	12.5'	56	5.2	5.2	12.5'	38	6.6	5.8	6.0	6.0'	42	7.1	4.3	8.0	6.0'	164	3.2	2.9	3.0	
WIDE FLOOD	D	FC	L	W	D	FC	L	W	CB	D	FC	L	W	CB	D	FC	L	W	CB	
	5.0'	169	3.4	3.4	5.0'	126	3.9	3.6	2.0	3.0'	118	3.6	3.0	3.0	3.0'	335	2.5	2.2	1.0	
	7.5'	76	5.1	5.1	7.5'	56	5.9	5.4	3.0	4.0'	67	4.7	4.0	4.0	4.0'	189	3.3	3.1	2.0	
	10.0'	43	6.8	6.8	10.0'	32	8.0	7.3	4.0	5.0'	43	6.1	5.0	5.0	5.0'	127	4.0	3.6	2.0	
	12.5'	27	8.5	8.5	12.5'	20	10.0	9.2	5.0	6.0'	30	7.4	6.0	6.0	6.0'	84	5.0	4.6	3.0	