CYLINDRIX® III VERTICAL

LED TRACK HEAD INTERNATIONAL

I-C3TV-A14
LED



APPLICATION:
Retail, supermarket and commercial accent & display lighting

CONSTRUCTION:
Die-cast aluminum heat sink and optic housing
Powder coat paint, custom colors available, consult factory
Passive cooling

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.

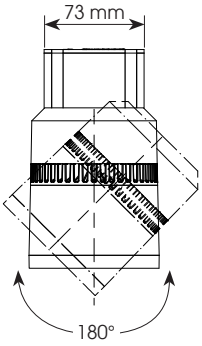
MOUNTING:
Track mounting

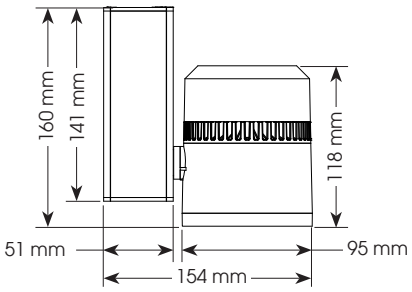
OPTICS:
LED cluster
Color Temp Options: 2700K, 3000K, 3500K, 4000K
CRI: 83 typ. (2700K, 3000K, 3500K, 4000K)
90+ typ. (2700K, 3000K)
CrispWhite LED available
R9 Values: 11 (83CRI), 55 (90+CRI)
Life: 50,000 hrs
Lumen Maintenance: >70% of initial lumens @ 50,000 hrs
Lumen Output (31W): SP 2,345; FL 2,227; WF 2,264
CBCP (31W): SP 18,677; FL 8,683; WF 4,223
LPW: Up to 75 lpw
0-90° tilt, 360° rotation
Beam options: Spot 15°, Flood 25°, Wide Flood 40°
Field interchangeable spun aluminum reflectors

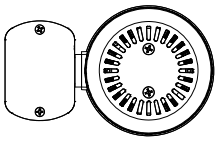
LABELING:
CE
For indoor use only

PROJECT:

TYPE:









Electrostatic sensitive device, observe precautions for handling

ELECTRICAL

Electronic driver

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

3 year limited warranty
AMERLUX INTERNATIONAL
(see website for details)

ORDERING INFORMATION:

Model	Wattage	Lamp Type	Finish	Mounting	Voltage	Beam Spread	Color Temp (CCT-CRI)	Listing Code	Options/Accessories
I-C3TV-A14	16 19 23 27 31	LED	WT - white texture BT - black texture ST - silver texture __ - _____ (other RAL)	GB67 - Global 1cir GA100 - Global 3 cir	240	SP - spot, 15° FL - flood, 25° WF - wide flood, 40°	27 - 2700K-83 30 - 3000K-83 35 - 3500K-83 40 - 4000K-83 279 - 2700K-90+ 309 - 3000K-90+ CRISP - CrispWhite 3CLA - 3K Class A	CE	HEX - hexcell louver SL - linear spread lens, requires snoot SOL - solite beam softening lens SN - snoot, 3/4" deep (required when more than 1 accessory is used) CB - cross blade, requires snoot

Example: I-C3TV-A14-31-LED-WT-GB67-240-FL-30-CE

Cat #:

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

Amerlux®, LLC • 178 Bauer Drive, Oakland, NJ 07436 • P: 973.882.5010 F: 973-882.2605 • www.amerlux.com

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LED

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TYPE:

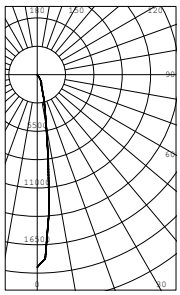


FIXTURE DATA: Multiplying Factors: 0.52 for 16W; 0.61 for 19W; 0.74 for 23W; 0.87 for 27W

Complete photometric data (ies format) available upon request.

31W LED 3000K-83

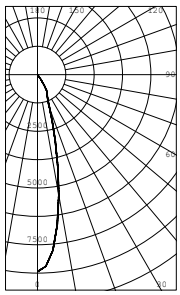
SPOT
DISTRIBUTION
LTL # 851724



Candelas at Nadir

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

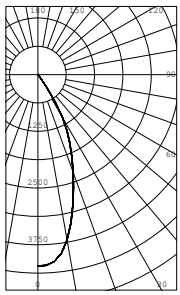
FLOOD
DISTRIBUTION
LTL # 851725



Candelas at Nadir

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

WIDE FLOOD
DISTRIBUTION
LTL # 851726

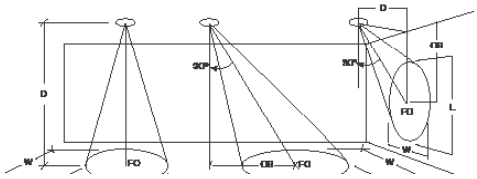


Candelas at Nadir

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

	D	FC	L	W
SPOT	5.0′	745	1.3	1.3
	7.5′	332	1.7	1.7
	10.0′	187	2.6	2.6
	12.5′	120	3.1	3.1
FLOOD	5.0′	347	2.1	2.1
	7.5′	154	3.2	3.2
	10.0′	87	4.1	4.1
	12.5′	56	5.2	5.2
WIDE FLOOD	5.0′	169	3.4	3.4
	7.5′	76	5.1	5.1
	10.0′	43	6.8	6.8
	12.5′	27	8.5	8.5



30° Aiming Angle Horizontal Footcandles

	D	FC	L	W	CB
SPOT	5.0′	463	1.7	1.4	3.0
	7.5′	221	2.4	2.0	4.0
	10.0′	116	3.4	3.0	5.0
	12.5′	79	4.0	3.5	7.0
FLOOD	5.0′	217	2.8	2.5	3.0
	7.5′	104	3.9	3.5	4.0
	10.0′	59	5.2	4.7	5.0
	12.5′	38	6.6	5.8	6.0
WIDE FLOOD	5.0′	126	3.9	3.6	2.0
	7.5′	56	5.9	5.4	3.0
	10.0′	32	8.0	7.3	4.0
	12.5′	20	10.0	9.2	5.0



30° Aiming Angle Vertical Footcandles

	D	FC	L	W	CB
SPOT	3.0′	279	2.9	1.4	5.0
	4.0′	168	3.7	1.7	6.0
	5.0′	108	4.3	2.4	8.0
	6.0′	75	5.3	2.8	9.0
FLOOD	3.0′	168	3.6	2.1	4.0
	4.0′	93	4.7	2.9	5.0
	5.0′	60	5.8	3.6	7.0
	6.0′	42	7.1	4.3	8.0
WIDE FLOOD	3.0′	118	3.6	3.0	3.0
	4.0′	67	4.7	4.0	4.0
	5.0′	43	6.1	5.0	5.0
	6.0′	30	7.4	6.0	6.0



60° Aiming Angle Vertical Footcandles

	D	FC	L	W	CB
SPOT	3.0′	1010	1.4	1.1	2.0
	4.0′	723	1.5	1.2	2.0
	5.0′	465	1.7	1.4	3.0
	6.0′	322	2.2	1.6	3.0
FLOOD	3.0′	524	2.2	1.4	2.0
	4.0′	369	2.1	1.8	2.0
	5.0′	218	2.8	2.5	3.0
	6.0′	164	3.2	2.9	3.0
WIDE FLOOD	3.0′	335	2.5	2.2	1.0
	4.0′	189	3.3	3.1	2.0
	5.0′	127	4.0	3.6	2.0
	6.0′	84	5.0	4.6	3.0