

CYLINDRIX III MINI

HORIZONTAL TRACK ACCENT LED INTERNATIONAL

APPLICATION

Accent and display lighting for retail, commercial & hospitality environments

CONSTRUCTION:

Complete die-cast construction
No exposed wiring
Powder coat paint

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
- Not for use on vertically mounted track

OPTICS:

0-180° tilt, 360° rotation

Available in a variety of beam spreads

LED:

Color Temp Options: 2200K, 2700K, 3000K, 3500K, 4000K

CRI: 83 typ. (2700K, 3000K, 3500K, 4000K)

90+ typ. (2200K, 2700K, 3000K, 3500K)

CrispWhite & Class A LED available

R9 Values: 11 (83CRI), 55 (92CRI)

Binning: 3 MacAdam

Lumen Maintenance: >70% of initial lumens @ 50,000 hrs

Lumen Output (21W, 3000K): VNF 2125 lm (105 lpw)

CBCP (21W, 3000K): VNF 13,260

VNSP (18W only) 24,308

LABELING:



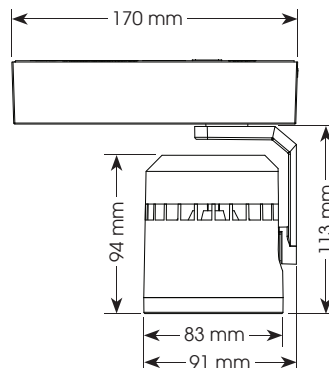
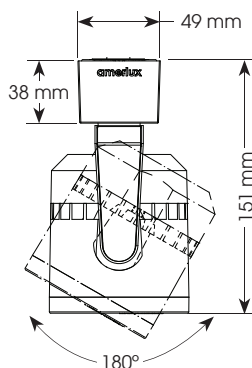
Dry location

I-C3MH
LED



PROJECT:

TYPE:



ELECTRICAL

Electronic driver

	15W		18W		21W	
	System Watts	Amps	System Watts	Amps	System Watts	Amps
240v	15	0.06	18	0.08	21	0.09

ORDERING INFORMATION:

Model	Wattage	Lamp Type	Finish	Mounting	Voltage	Beam Spread	Color Temp (CCT-CRI)	Listing Code	Options/Accessories
I-C3MH	15 21	LED	WT - white texture BT - black texture ST - silver texture	GB67 - Global 1 cir GA100 - Global 3 cir	240	SP - spot, 14° VNF - very narrow flood, 18° NF - narrow flood, 23° FL - flood, 34° WF - wide flood, 44°	27 - 2700-83 30 - 3000-83 35 - 3500-83 40 - 4000-83 229 - 2200-90+ 279 - 2700-90+ 309 - 3000-90+ 359 - 3500-90+ 3CLA - 3K Class A CRISP - CrispWhite	CE	SN - snoot LS - linear spread HEX - hexcel louver CB - cross blade, matte black, requires snoot SOL - solite beam softening lens
	18 (8° only)		(other RAL)			VNSP - very narrow spot, 8° (18w only)			

Example: I-C3MH-21-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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TYPE:

I-C3MH
LED



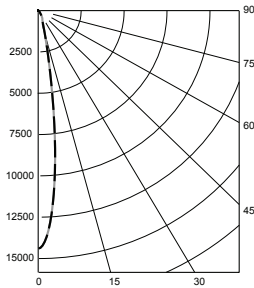
FIXTURE DATA: For 15W data, multiply by 0.71; For 18W see next page

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+ = 0.8; 3000-90+ = 0.83; 3500-90+ = 0.87; Crisp = 0.65; 3CLA = 0.75

21W LED (3000K-83)

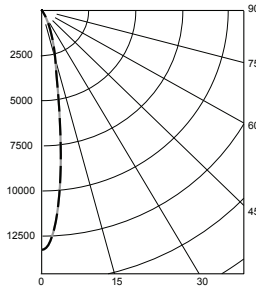
Spot (SP), 14°
LTL # 13609366.15
Lumens: 1,898



Candelas at Nadir

Deg	Candela
0	14400
5	10490
15	1426
25	560
35	233
45	110

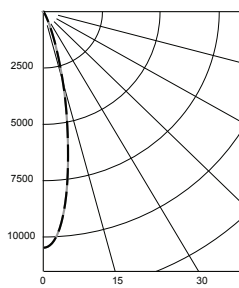
Very Narrow Flood (VNF), 18°
LTL #13609366.16
Lumens: 2,125



Candelas at Nadir

Deg	Candela
0	13260
5	10300
15	2656
25	810
35	136
45	33

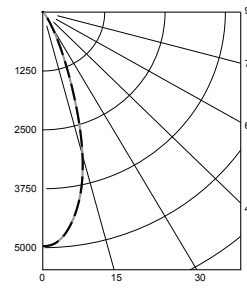
Narrow Flood (NF), 23°
LTL # 3609366.17
Lumens: 1,988



Candelas at Nadir

Deg	Candela
0	10480
5	9150
15	2963
25	453
35	86
45	47

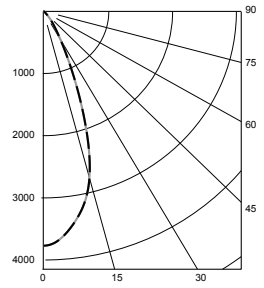
Flood (FL), 34°
LTL # 13609366.18
Lumens: 1,960



Candelas at Nadir

Deg	Candela
0	4970
5	4780
15	3130
25	913
35	193
45	55

Wide Flood (WF), 44°
LTL # 13609366.19
Lumens: 1,930



Candelas at Nadir

Deg	Candela
0	3771
5	3624
15	2758
25	1034
35	308
45	101

APPLICATION DATA:

Notes and Definitions:

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

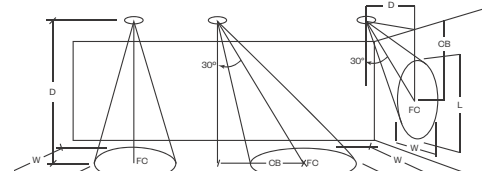
D=Distance to floor or wall.

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

	0° Aiming Angle Horizontal Footcandles				30° Aiming Angle Horizontal Footcandles				30° Aiming Angle Vertical Footcandles				60° Aiming Angle Vertical Footcandles			
	D	FC	L	W	D	FC	L	W	D	FC	L	W	D	FC	L	W
SPOT	5.0'	575	1.2	1.2	5.0'	371	1.6	1.4	3.0'	216	2.8	1.4	3.0'	779	1.3	1.1
	7.5'	256	1.9	1.9	7.5'	166	2.5	2.2	4.0'	130	3.5	1.8	4.0'	555	1.5	1.2
	10.0'	144	2.7	2.7	10.0'	92	3.4	3.0	5.0'	82	4.3	2.5	5.0'	361	1.8	1.4
	12.5'	93	3.2	3.2	12.5'	61	4.1	3.6	6.0'	58	5.2	2.9	6.0'	247	2.2	1.6
VERY NARROW FLOOD	5.0'	531	1.4	1.4	5.0'	342	1.9	1.5	3.0'	200	3.4	1.6	3.0'	745	1.5	1.2
	7.5'	236	2.2	2.2	7.5'	155	2.9	2.6	4.0'	124	4.1	2.1	4.0'	529	1.7	1.3
	10.0'	133	3.0	3.0	10.0'	85	3.9	3.4	5.0'	77	5.2	2.9	5.0'	333	2.1	1.6
	12.5'	85	3.6	3.6	12.5'	57	4.7	4.1	6.0'	56	6.2	3.2	6.0'	235	2.4	1.9
NARROW FLOOD	5.0'	420	1.8	1.8	5.0'	271	2.5	2.2	3.0'	193	3.2	1.8	3.0'	628	1.9	1.3
	7.5'	187	2.9	2.9	7.5'	126	3.5	3.2	4.0'	105	4.5	2.8	4.0'	443	1.9	1.6
	10.0'	105	3.7	3.7	10.0'	71	4.8	4.2	5.0'	70	5.4	3.3	5.0'	265	2.6	2.2
	12.5'	67	4.7	4.7	12.5'	45	6.0	5.4	6.0'	49	6.6	3.9	6.0'	197	2.9	2.6
FLOOD	5.0'	199	3.0	3.0	5.0'	141	3.5	3.1	3.0'	124	3.3	2.7	3.0'	372	2.2	1.8
	7.5'	89	4.4	4.4	7.5'	63	5.2	4.8	4.0'	70	4.5	3.4	4.0'	221	2.9	2.7
	10.0'	50	5.8	5.8	10.0'	36	6.9	6.4	5.0'	45	5.6	4.4	5.0'	143	3.5	3.1
	12.5'	32	7.3	7.3	12.5'	23	8.6	8.0	6.0'	32	6.8	5.2	6.0'	98	4.2	3.9
WIDE FLOOD	5.0'	151	3.2	3.2	5.0'	110	3.8	3.5	3.0'	109	3.2	2.7	3.0'	303	2.3	2.0
	7.5'	67	5.0	5.0	7.5'	49	5.6	5.4	4.0'	62	4.2	3.6	4.0'	167	3.1	3.0
	10.0'	38	6.6	6.6	10.0'	28	7.5	7.3	5.0'	40	5.3	4.6	5.0'	111	3.8	3.5
	12.5'	25	8.3	8.3	12.5'	18	9.5	9.1	6.0'	28	6.5	5.5	6.0'	76	4.6	4.5

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I-C3MH
LED



TYPE:



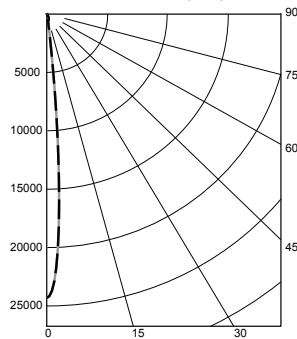
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18W LED (3000K-83)

VERY NARROW SPOT (VNSP)
DISTRIBUTION
LTL #1170140



Candelas at Nadir	
Deg	Candela
0	24308
5	8980
15	527
25	394
35	131
45	57

APPLICATION DATA:

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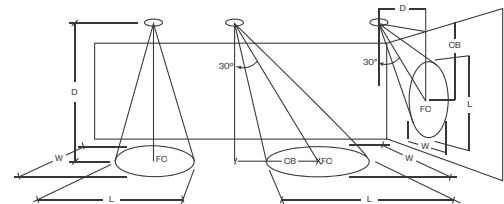
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	D	FC	L	W		D	FC	L	W	CB	D	FC	L	W	CB	D	FC	L	W	CB
VERY NARROW SPOT	5.0'	967	1.0	1.0		5.0'	624	1.0	1.0	3.0	3.0'	360	1.5	1.0	5.0	3.0'	983	1.0	1.0	2.0
	7.5'	431	1.1	1.1		7.5'	251	1.8	1.1	4.0	4.0'	185	2.4	1.1	7.0	4.0'	729	1.1	1.0	2.0
	10.0'	243	1.3	1.3		10.0'	153	2.1	1.6	6.0	5.0'	129	2.7	1.2	8.0	5.0'	600	1.1	1.0	3.0
	12.5'	156	1.8	1.8		12.5'	102	2.4	2.2	7.0	6.0'	90	3.3	1.6	10.0	6.0'	325	1.9	1.0	3.0