

CYLINDRIX® III MINI LIGHT MODULE

Use with Concealed Modular Trough

CMT4-C3M-LM
LED

APPLICATION:

Retail, commercial and hospitality accent and display lighting

CONSTRUCTION:

Complete die-cast optical head construction
Machined aluminum locking knob
CRS mounting/driver plate
Thermally protected
Quick connect

ELECTRICAL:

Electronic constant current LED driver
120V or 277V input
ELV and Triac dimming standard, 120V & 277V.
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.

OPTICS:

0-45° 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 (90+CRI)
Binning: 3 MacAdam (SDCM)
Lumen Maintenance: >70% of initial lumens @ 50,000 hrs
Lumen Output (21W, 3000K): 1850 lm (89.6 lpw)
CBCP (21W, 3000K): SP 13,578

MOUNTING:

For use in Concealed Modular Trough Housing (CMT4-HSG) only, see spec sheet for details

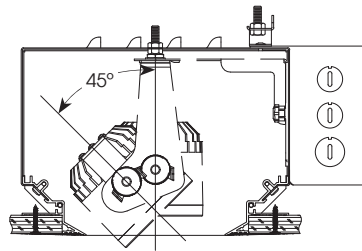
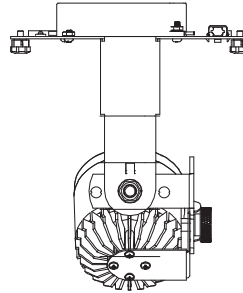
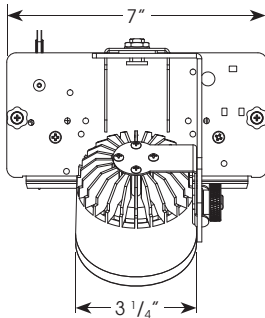
LABELING:



For indoor use only

PROJECT:

TYPE:




Electrostatic sensitive device,
observe precautions for
handling

ELECTRICAL

Electronic driver

	15w		18w		21w	
	System Watts	Amps	System Watts	Amps	System Watts	Amps
120v	15	0.13	18	0.15	21	0.18
277v	15	0.05	18	0.06	21	0.08

ORDERING INFORMATION:

Model	Wattage	Lamp Type	Finish	Voltage	Beam Spread	Color Temp (CCT(K)-CRI)	Options/Accessories
CMT4-C3M-LM	15 21	LED	BT - black texture	120 277	SP - spot, 14° VNF - very narrow flood, 18° NF - narrow flood, 23° FL - flood, 34° WF - wide flood, 44° VNSP - very narrow spot, 8°	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	SN - snoot, 1" w/black matte interior standard HEX - hexcell louver LS - linear spread CB - cross blade, matte black, requires snoot SOL - solite beam softening lens 0-10V - 0-10V dimming HILUME - Lutron Hi-lume® dimming DALI - DALI driver
	18 (8° only)						

NOTE:

- Order Concealed Modular Trough housing separately. See CMT4-HSG specification sheet for details.
- Blanking Plate - ordered with Housing (1 Blanking Plate required if no Light Module is ordered).

Example: CMT4-C3M-LM-21-LED-BT-120-SP-30

Cat #:

5 year limited warranty
AMERLUX LED

(see website for details)

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

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LED



TYPE:

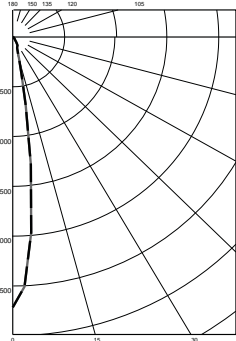
FIXTURE DATA: For 15W data, multiply by 0.71

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

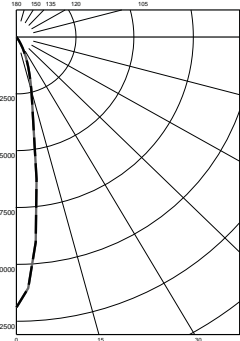
21W LED (3000K)

SPOT (SP)
DISTRIBUTION
LTL #1026701



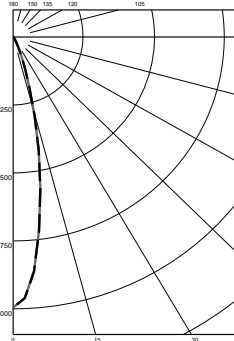
Candelas at Nadir	
Deg	Candela
0	13578
5	9865
15	1152
25	506
35	211
45	101

VERY NARROW
FLOOD (VNF) DISTRIBUTION
LTL #883522



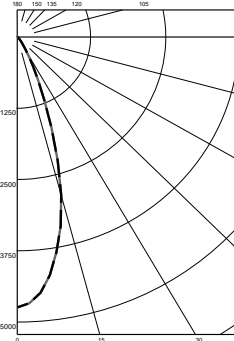
Candelas at Nadir	
Deg	Candela
0	11895
5	9054
15	2337
25	790
35	103
45	23

NARROW FLOOD (NF)
DISTRIBUTION
LTL #1037438



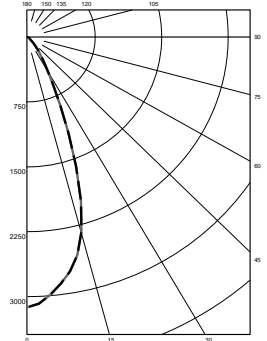
Candelas at Nadir	
Deg	Candela
0	8953
5	7795
15	2707
25	474
35	94
45	50

FLOOD (FL)
DISTRIBUTION
LTL #1037439



Candelas at Nadir	
Deg	Candela
0	4743
5	4504
15	2871
25	829
35	178
45	49

WIDE FLOOD (WF)
DISTRIBUTION
LTL #1037440

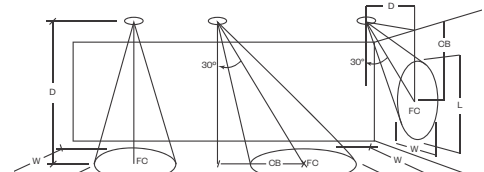


Candelas at Nadir	
Deg	Candela
0	3124
5	2988
15	2330
25	876
35	287
45	102

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	CB	D	FC	L	W	CB	D	FC	L	W	CB
SPOT	5.0'	540	1.2	1.2	5.0'	348	1.6	1.4	3.0	3.0'	200	2.8	1.4	5.0	3.0'	726	1.3	1.1	2.0
	7.5'	241	1.8	1.8	7.5'	155	2.5	2.2	4.0	4.0'	121	3.5	1.8	6.0	4.0'	518	1.5	1.2	2.0
	10.0'	136	2.6	2.6	10.0'	85	3.4	3.0	6.0	5.0'	77	4.3	2.5	8.0	5.0'	334	1.8	1.3	3.0
	12.5'	87	3.2	3.2	12.5'	57	4.2	3.6	7.0	6.0'	54	5.2	2.9	9.0	6.0'	230	2.2	1.6	3.0
VERY NARROW FLOOD	5.0'	473	1.4	1.4	5.0'	305	1.9	1.5	3.0	3.0'	176	3.4	1.5	5.0	3.0'	651	1.6	1.2	2.0
	7.5'	211	2.1	2.1	7.5'	136	2.9	2.5	4.0	4.0'	108	4.1	2.0	6.0	4.0'	462	1.6	1.3	2.0
	10.0'	119	2.9	2.9	10.0'	75	3.8	3.3	6.0	5.0'	67	5.3	2.8	8.0	5.0'	293	2.0	1.5	3.0
	12.5'	76	3.5	3.5	12.5'	50	4.7	3.9	7.0	6.0'	49	6.3	3.2	9.0	6.0'	206	2.4	1.8	3.0
NARROW FLOOD	5.0'	358	1.9	1.9	5.0'	257	2.4	2.1	3.0	3.0'	181	3.2	1.8	4.0	3.0'	620	1.9	1.2	2.0
	7.5'	159	2.9	2.9	7.5'	115	3.5	3.2	4.0	4.0'	96	4.4	2.8	6.0	4.0'	426	1.9	1.5	2.0
	10.0'	90	3.8	3.8	10.0'	63	4.8	4.2	5.0	5.0'	63	5.3	3.3	7.0	5.0'	249	2.5	2.2	3.0
	12.5'	58	4.8	4.8	12.5'	40	6.1	5.4	7.0	6.0'	43	6.7	4.0	8.0	6.0'	182	2.9	2.6	3.0
FLOOD	5.0'	190	2.9	2.9	5.0'	130	3.5	3.1	2.0	3.0'	113	3.4	2.7	3.0	3.0'	340	2.3	1.8	1.0
	7.5'	85	4.3	4.3	7.5'	58	5.2	4.8	3.0	4.0'	64	4.6	3.5	4.0	4.0'	208	2.8	2.6	2.0
	10.0'	48	5.7	5.7	10.0'	34	6.8	6.4	5.0	5.0'	41	5.8	4.4	5.0	5.0'	133	3.5	3.1	2.0
	12.5'	31	7.2	7.2	12.5'	22	8.5	8.0	6.0	6.0'	29	7.0	5.2	7.0	6.0'	93	4.1	3.8	3.0
WIDE FLOOD	5.0'	125	3.3	3.3	5.0'	92	3.9	3.5	2.0	3.0'	92	3.2	2.7	3.0	3.0'	254	2.3	2.0	1.0
	7.5'	56	5.0	5.0	7.5'	41	5.6	5.4	3.0	4.0'	52	4.3	3.6	4.0	4.0'	138	3.2	3.0	2.0
	10.0'	32	6.7	6.7	10.0'	23	7.6	7.3	4.0	5.0'	34	5.3	4.6	5.0	5.0'	93	3.9	3.5	2.0
	12.5'	20	8.5	8.5	12.5'	15	9.6	9.2	5.0	6.0'	23	6.5	5.5	6.0	6.0'	64	4.7	4.5	2.0