

CONCEALED MODULAR TROUGH 4.75"

HORNET® HP LED LIGHT MODULE

CMT4-HORNET-HP-
A14-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
Triac and ELV dimming standard, 120v only.
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. (2200K, 2700K, 3000K, 3500K, 4000K)
90+ typ. (2200K, 2700K, 3000K)
CrispWhite LED available (16w max)
R9 Values: 11 (83CRI), 55 (90+CRI)
Binning: 3 MacAdam
Lumen Maintenance: >70% of initial lumens @ 50,000 hrs
Lumen Output (18w, 3000K): SP 1369 lm (75 lm/w)
CBCP (18w, 3000K): SP 12,215

MOUNTING:

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

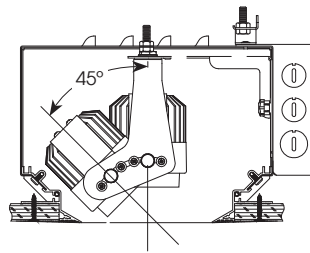
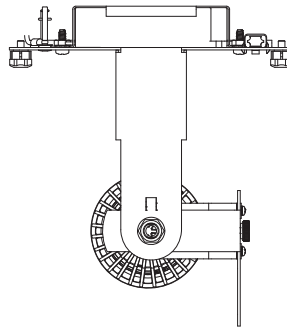
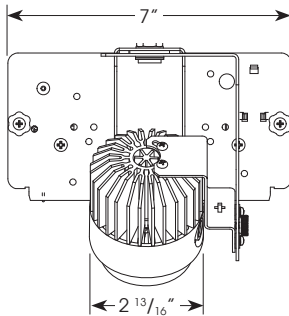
LABELING:



For indoor use only

PROJECT:

TYPE:



ELECTRICAL

Electronic driver

	11w		16w		18w	
	System Watts	Amps	System Watts	Amps	System Watts	Amps
120v	11	0.09	16	0.13	18	0.15
277v	11	0.04	16	0.06	18	0.07


Electrostatic sensitive device,
observe precautions for
handling

10 year warranty
AMERLUX LED

(see website for details)

ORDERING INFORMATION:

Model	Wattage	Lamp Type	Finish	Voltage	Beam Spread	Color Temp (CCT(K)-CRI)	Options/Accessories
CMT4-HORNET-HP-A14-LM	11 16 18	LED	BT - black texture	120 277	SP - spot, 15° NF - narrow flood, 22° MFL - medium flood, 25° FL - flood, 28° WF - wide flood, 45° VWF - very wide flood, 60° LS - linear spread, 60° x 10°	27 - 2700-83 30 - 3000-83 35 - 3500-83 40 - 4000-83 229 - 2200-90+ 279 - 2700-90+ 309 - 3000-90+ CRISP - CrispWhite (16W max)	SNAH - snoot accessory holder, 1" length, matte black interior, specify exterior color (WT, BT, ST) accepts cross blade plus 2 additional forms of media AH - accessory holder, specify finish (WT, BT, ST), accepts 2 forms of media CB - cross blade, matte black finish, requires snoot HEX - hexcell louver (1/8" x 1/8"), requires SNAH or AH SOL - solite beam softening lens, requires SNAH or AH 0-10V - 0-10v dimming HILUME - Lutron Hi-lume® dimming

NOTE:
Order Concealed Modular Trough housing separately.
See CMT4-HSG specification sheet for details.

Example: CMT4-HORNET-HP-A14-LM-18-LED-BT-120-SP-30

Cat #:

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

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A14-LM
LED



TYPE:

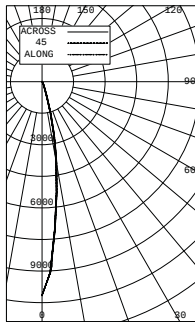
FIXTURE DATA: For 11w data, multiply by 0.61; For 16w data, multiply by 0.88

Complete photometric data (ies format) available upon request.

NOTE: Fixture data per head

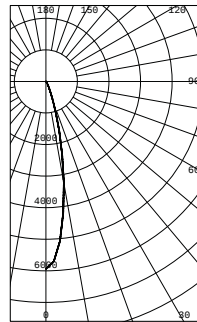
18W LED

SPOT (SP)
DISTRIBUTION
LTL #722039



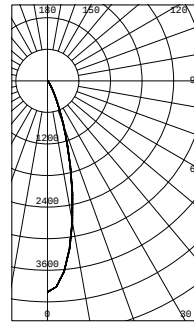
Candelas at Nadir	
Deg	Candela
0	10157
5	7018
15	1541
25	169
35	63
45	16

NARROW FLOOD (NF)
DISTRIBUTION
LTL #726145



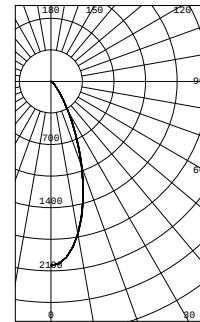
Candelas at Nadir	
Deg	Candela
0	5936
5	5080
15	1633
25	261
35	73
45	27

FLOOD (FL)
DISTRIBUTION
LTL # 726147



Candelas at Nadir	
Deg	Candela
0	4015
5	3641
15	1686
25	414
35	95
45	35

WIDE FLOOD (WF)
DISTRIBUTION
LTL # 726148

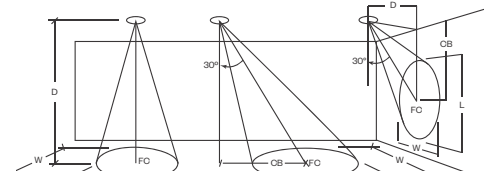


Candelas at Nadir	
Deg	Candela
0	2043
5	1959
15	1370
25	646
35	211
45	66

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				
	D	FC	L	W		D	FC	L	W	CB	D	FC	L	W	CB	D	FC	L	W	CB
SPOT	5.0'	484	1.4	1.4		5.0'	313	1.8	1.5	3.0	3.0'	178	3.0	1.6	5.0	3.0'	630	1.6	1.1	2.0
	7.5'	216	2.0	2.0		7.5'	136	2.8	2.4	4.0	4.0'	105	3.8	2.1	6.0	4.0'	450	1.6	1.3	2.0
	10.0'	122	2.7	2.7		10.0'	76	3.7	3.2	6.0	5.0'	67	4.8	2.7	8.0	5.0'	298	2.0	1.6	3.0
	12.5'	78	3.4	3.4		12.5'	46	4.8	4.2	7.0	6.0'	47	5.9	3.2	9.0	6.0'	200	2.4	1.9	3.0
NARROW FLOOD	5.0'	289	1.7	1.7		5.0'	187	2.4	2.1	3.0	3.0'	127	3.3	1.8	4.0	3.0'	422	1.9	1.3	2.0
	7.5'	129	2.8	2.8		7.5'	86	3.5	3.1	4.0	4.0'	70	4.4	2.7	6.0	4.0'	298	1.9	1.5	2.0
	10.0'	73	3.6	3.6		10.0'	47	4.7	4.1	5.0	5.0'	47	5.3	3.2	7.0	5.0'	181	2.5	2.1	3.0
	12.5'	47	4.5	4.5		12.5'	31	5.8	5.2	7.0	6.0'	32	6.7	3.9	8.0	6.0'	133	2.8	2.5	3.0
FLOOD	5.0'	142	2.7	2.7		5.0'	92	3.4	3.1	3.0	3.0'	75	3.8	2.7	4.0	3.0'	232	2.3	1.7	2.0
	7.5'	63	3.9	3.9		7.5'	43	4.9	4.4	4.0	4.0'	44	4.9	3.3	5.0	4.0'	154	2.7	2.4	2.0
	10.0'	36	5.2	5.2		10.0'	25	6.4	5.8	5.0	5.0'	29	6.1	4.1	6.0	5.0'	95	3.4	3.0	2.0
	12.5'	23	6.5	6.5		12.5'	16	8.0	7.2	6.0	6.0'	20	7.4	5.1	7.0	6.0'	69	3.8	3.5	3.0
WIDE FLOOD	5.0'	95	3.2	3.2		5.0'	67	3.9	3.4	2.0	3.0'	63	3.7	2.8	3.0	3.0'	180	2.4	2.0	1.0
	7.5'	42	4.8	4.8		7.5'	30	5.7	5.3	3.0	4.0'	36	4.9	3.7	4.0	4.0'	105	3.2	2.9	2.0
	10.0'	24	6.4	6.4		10.0'	17	7.6	7.1	4.0	5.0'	23	6.1	4.8	5.0	5.0'	69	3.8	3.5	2.0
	12.5'	15	8.0	8.0		12.5'	11	9.6	8.9	5.0	6.0'	16	7.5	5.7	6.0	6.0'	47	4.7	4.3	3.0