

HORNET HP LED LIGHT MODULE

Use with Concealed Modular Trough

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

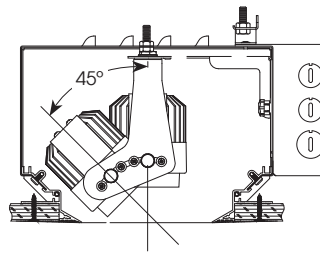
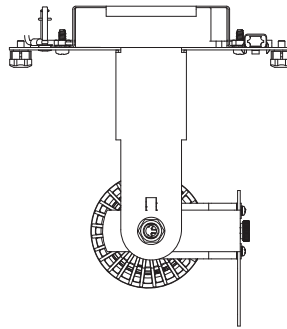
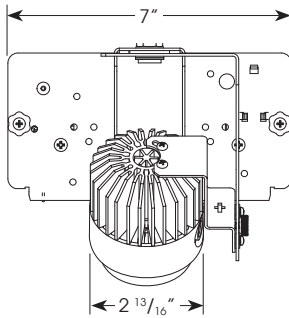
LABELING:



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

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.
- Blanking Plate - ordered with Housing (1 Blanking Plate required if no Light Module is ordered).

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

Cat #:

10 year 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:

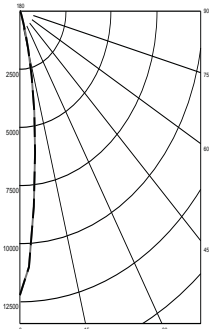
FIXTURE DATA: For 11w data, multiply by 0.71; For 16w data, multiply by 0.88

Complete photometric data (ies format) available upon request.

NOTE: Fixture data per head

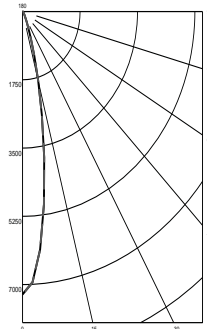
18W LED

SPOT (SP)
DISTRIBUTION
LTL #855377



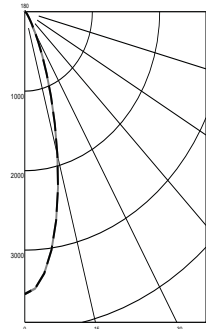
Candelas at Nadir	
Deg	Candela
0	12215
5	8436
15	1705
25	204
35	77
45	26

NARROW FLOOD (NF)
DISTRIBUTION
LTL #860527



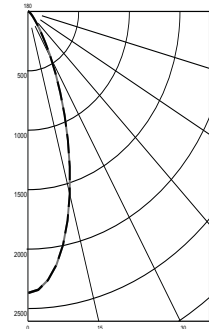
Candelas at Nadir	
Deg	Candela
0	7252
5	6128
15	1841
25	309
35	93
45	41

FLOOD (FL)
DISTRIBUTION
LTL # 860528



Candelas at Nadir	
Deg	Candela
0	3551
5	3304
15	1861
25	612
35	156
45	57

WIDE FLOOD (WF)
DISTRIBUTION
LTL # 860529

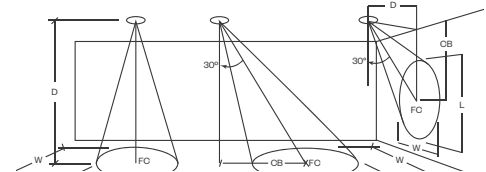


Candelas at Nadir	
Deg	Candela
0	2369
5	2268
15	1592
25	754
35	251
45	82

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'	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