

HORNET® HP DOWNLIGHT

3.5" ROUND ADJUSTABLE LED INTERNATIONAL

APPLICATION:

Retail, commercial & hospitality accent/display lighting

CONSTRUCTION:

Die-cast aluminum trim ring
Die-cast optical head construction
Spring steel retaining clips
Painted finishes include matte white and optical matte black with matte white flange

ELECTRICAL:

Electronic constant current LED driver, 240v
ELV & 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.

OPTICS:

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)

Optional Amerlux CrispWhite technology (16W max)

R9 Value: 11 (83CRI), 55 (90+CRI)

Binning: 3 MacAdam (SDMC)

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

Lumen Output (at 3000K):

16W:SP 1199 typ

18W:SP 1332 typ

NF 1114 typ

NF 1238 typ

FL 1074 typ

FL 1193 typ

WF 1024 typ

WF 1138 typ

0-30° tilt, 358° rotation

LABELING:



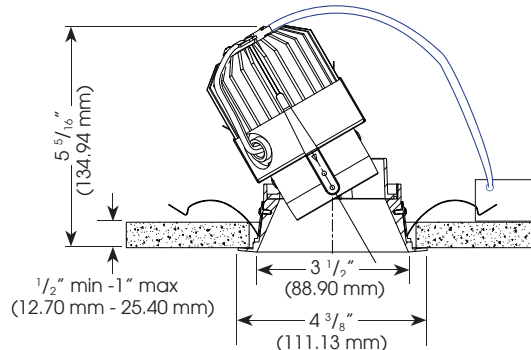
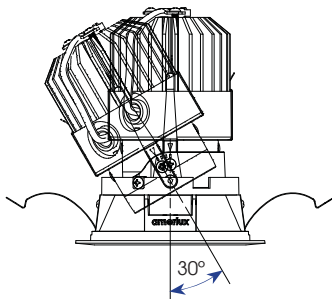
For indoor use only

I-HDL-HP-
RA-A14
LED



PROJECT:

TYPE:



Ceiling Cut Out Dimension: 3 ⁵⁵/₆₄" (98 mm)


Electrostatic sensitive device,
observe precautions for
handling


98 mm

ELECTRICAL

Electronic driver

	11W		16W		18W	
	System Watts	Amps	System Watts	Amps	System Watts	Amps
240 v	11	0.05	16	0.07	18	0.08

ORDERING INFORMATION:

Model	Wattage	Lamp Type	Voltage	Aperture Finish	Beam Spread	Color Temp (CCT-CRI)	Listing Code	Options/Accessories
I-HDL-HP-RA-A14	11	LED	240	<u>Reflector with White Painted Flange</u>	SP - spot, 15°	27 - 2700K-83	CE	HEX - hexcell louver SOL - solite beam softening lens DALI - DALI driver
	16			MBW - matte black	NF - narrow flood, 20°	30 - 3000K-83		
	18			MWW - matte white	MFL - medium flood, 24°	35 - 3500K-83		
				SLVW - matte silver	FL - flood, 28°	40 - 4000K-83		
				<u>Reflector with Black Painted Flange</u>	WF - wide flood, 45°	229 - 2200K-90+		
				MBB - matte black	VWF - very wide flood, 60°	279 - 2700K-90+		
				<u>Reflector with Silver Painted Flange</u>	LS - linear spread, 60° x 10°	309 - 3000K-90+		
				SLVS - matte silver		CRISP - CrispWhite (16W max)		

Example: I-HDL-HP-RA-A14-18-LED-240-MBW-FL-30-CE

Cat #:

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

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RA-A14
LED



TYPE:



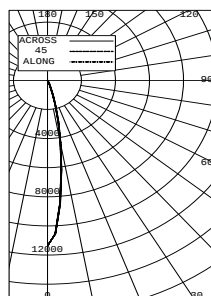
FIXTURE DATA: For 11W data, multiply by 0.62; For 16W data, multiply by 0.88

Complete photometric data (ies format) available upon request.

CCT Conversion Factor: 2700K-83 = 0.96; 3500K-83 = 1.02; 4000K-83 = 1.04; 2200K-90+ = 0.71; 2700-90+ = 0.80; 3000K-90+ = 0.83; CRISP = 0.65

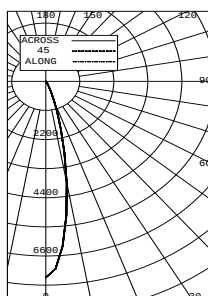
18W LED 3000K-83

SPOT
DISTRIBUTION
LTL # 818224



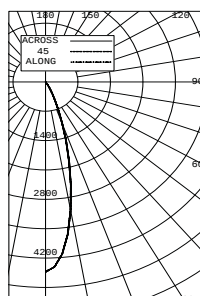
Candelas at Nadir	
Deg	Candela
0	11367
5	8488
15	1846
25	199
35	38
45	3

NARROW FLOOD
DISTRIBUTION
LTL # 818225



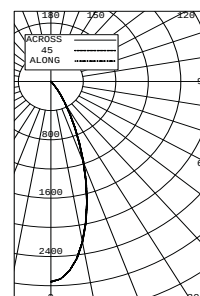
Candelas at Nadir	
Deg	Candela
0	7412
5	6254
15	1895
25	288
35	49
45	4

FLOOD
DISTRIBUTION
LTL # 818227



Candelas at Nadir	
Deg	Candela
0	4527
5	4117
15	1963
25	488
35	77
45	5

WIDE FLOOD
DISTRIBUTION
LTL # 818228



Candelas at Nadir	
Deg	Candela
0	2747
5	2609
15	1715
25	693
35	149
45	8

APPLICATION DATA:

Notes and Definitions:

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

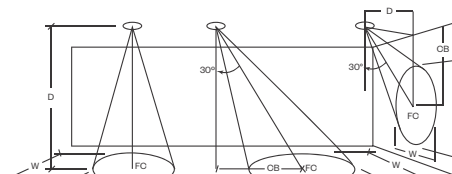
D=Distance to floor or wall.

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

SPOT	D	FC	L	W
	5.0'	286	1.9	1.9
	7.5'	157	2.7	2.7
	10.0'	97	3.3	3.3
	12.5'	65	3.9	3.9
NARROW FLOOD	D	FC	L	W
	5.0'	215	2.2	2.2
	7.5'	112	3.0	3.0
	10.0'	67	3.8	3.8
	12.5'	44	4.7	4.7
FLOOD	D	FC	L	W
	5.0'	148	2.7	2.7
	7.5'	73	3.7	3.7
	10.0'	43	4.8	4.8
	12.5'	28	5.9	5.9
WIDE FLOOD	D	FC	L	W
	5.0'	97	3.2	3.2
	7.5'	46	4.6	4.6
	10.0'	26	6.1	6.1
	12.5'	17	7.6	7.6