

# HORNET® HP DOWNLIGHT

3.5" SQUARE PINHOLE ADJUSTABLE LED INTERNATIONAL

I-HDL-HP-SPA-A14  
LED



**APPLICATIONS:**

Retail and commercial accent & display lighting

**CONSTRUCTION:**

Die-cast aluminum trim ring  
Die-cast optical head construction  
Spring steel retaining clips  
Formed steel faceplate

**ELECTRICAL:**

Electronic constant current LED driver, 240v input  
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:**

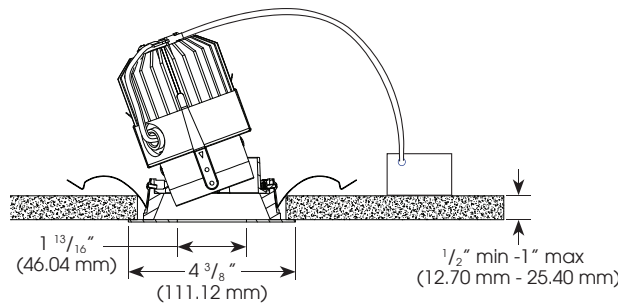
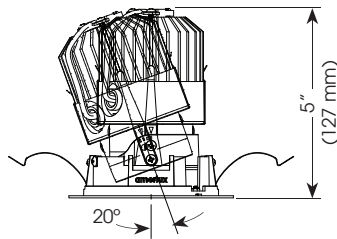
LED:  
Color Temp Options: 2200K, 2700K, 3000K, 3500K, 4000K  
CRI: 83 typ. (2700K, 3000K, 3500K, 4000K)  
90+ typ. (2200K, 2700K, 3000K)  
Optional Amerlux CrispWhite technology (16W max)  
R9 Value: 11 (83CRI), 55 (90+CRI)  
Binning: 3 MacAdam (SDMC)  
Lumen Maintenance: >70% of initial lumens @ 50,000 hrs  
Lumen Output (at 3000K):  
16W:SP 1063 typ      18W:SP 1181 typ  
          NF 963 typ        NF 1070 typ  
          MFL 909 typ      MFL 1010 typ  
          FL 862 typ        FL 958 typ  
0-20° tilt, 358° rotation

**LABELING:**

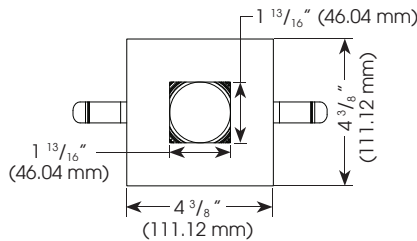
**CE**  
For indoor use only

PROJECT:

TYPE:



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



  
Electrostatic sensitive device,  
observe precautions for  
handling

  
98x98 mm

**ELECTRICAL**

Electronic driver

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

**3 year limited warranty**  
AMERLUX INTERNATIONAL  
(see website for details)

**ORDERING INFORMATION:**

Model	Wattage	Lamp Type	Voltage	Trim Finish	Beam Spread	Color Temp (CCT-CRI)	Listing Code	Options/Accessories
HDL-HP-SPA-A14	11	LED	240	MW - matte white	SP - spot, 15°	27 - 2700K-83	CE	HEX - hexcell louver
	16			MB - matte black	NF - narrow flood, 20°	30 - 3000K-83		SOL - solite beam softening lens
18	SLV - matte silver			MFL - medium flood, 24°	35 - 3500K-83			
				PC - polished chrome	FL - flood, 28°	40 - 4000K-83		DALI - DALI driver
				BSS - brushed stainless steel		229 - 2200K-90+		
						279 - 2700K-90+		
						309 - 3000K-90+		
						CRISP - CrispWhite (16W max)		
						3CLA - 3K Class A		

Example: I-HDL-HP-SPA-A14-18-LED-120-MW-FL-30-CE

Cat #:

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



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I-HDL-HP-  
SPA-A14  
LED



TYPE:



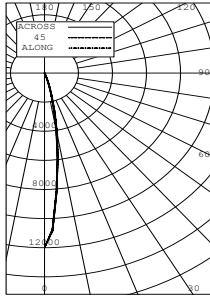
**FIXTURE DATA:** For 11W data, multiply by 0.62; For 16W data, multiply by 0.88

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; 3CLA = 0.75

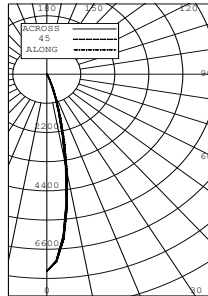
## 18W LED 3000K-83

SPOT  
DISTRIBUTION  
LTL # 818198



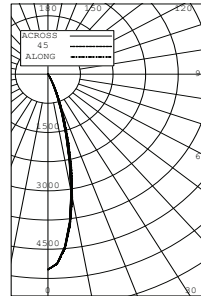
Candelas at Nadir	
Deg	Candela
0	11999
5	8118
15	1462
25	65
35	6
45	0

NARROW FLOOD  
DISTRIBUTION  
LTL # 818199



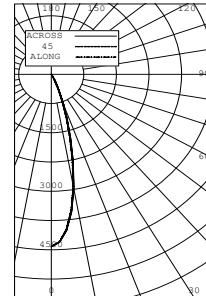
Candelas at Nadir	
Deg	Candela
0	7421
5	6260
15	1564
25	126
35	11
45	1

MEDIUM FLOOD  
DISTRIBUTION  
LTL # 818200



Candelas at Nadir	
Deg	Candela
0	5022
5	4486
15	1651
25	210
35	12
45	0

FLOOD  
DISTRIBUTION  
LTL # 818201

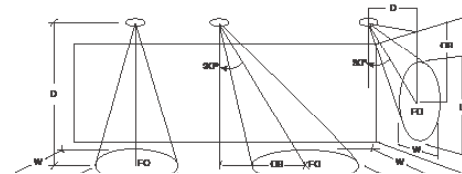


Candelas at Nadir	
Deg	Candela
0	4416
5	3999
15	1623
25	218
35	12
45	0

## 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

	D	FC	L	W
SPOT	5.0'	278	1.8	1.8
	7.5'	156	2.5	2.5
	10.0'	97	3.1	3.1
	12.5'	66	3.6	3.6
NARROW FLOOD	5.0'	212	2.1	2.1
	7.5'	111	2.9	2.9
	10.0'	67	3.6	3.6
	12.5'	44	4.5	4.4
MEDIUM FLOOD	5.0'	167	2.4	2.3
	7.5'	82	3.3	3.2
	10.0'	48	4.3	4.2
	12.5'	31	5.3	5.2
FLOOD	5.0'	143	2.5	2.5
	7.5'	71	3.4	3.5
	10.0'	41	4.5	4.6
	12.5'	27	5.5	5.6