

HORNET® HP DOWNLIGHT

3.5" SQUARE PINHOLE ADJUSTABLE TRIMLESS LED INTERNATIONAL

I-HDL-HP-SPA-A14-TL
LED

APPLICATIONS:

Retail and commercial accent & display lighting

CONSTRUCTION:

Die-cast aluminum trim ring
Die-cast optical head construction
Cast aluminum plaster frame with perforated face
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

NF 963 typ

MFL 909 typ

FL 862 typ

18W:SP 1181 typ

NF 1070 typ

MFL 1010 typ

FL 958 typ

0-20° tilt, 358° rotation

MOUNTING:

For use in T-grid or sheet rock ceilings

LABELING:

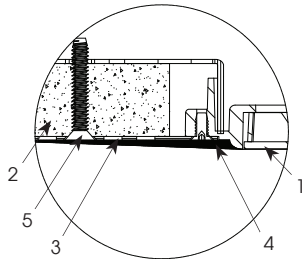
CE

For indoor use only

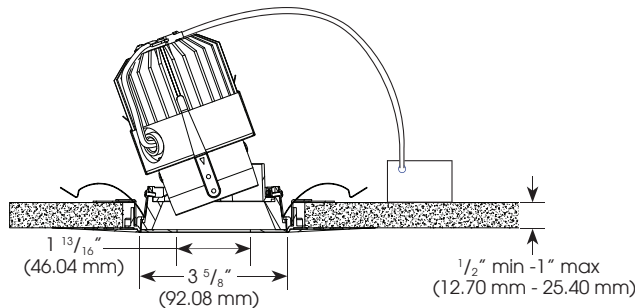


PROJECT:

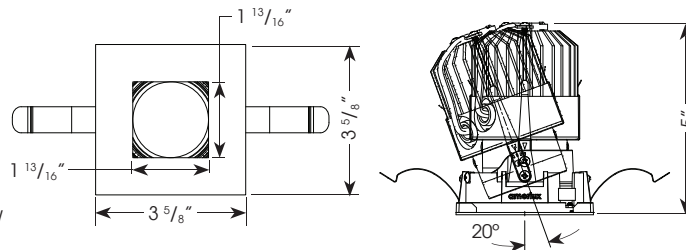
TYPE:



1. Reflector Trim
2. Ceiling 1/2" (1" Max.)
3. Cast Aluminum Plaster Frame
4. Plaster Skim Coat (By Others)
5. #8 Screw (by others)



Ceiling Cut Out Dimension: 4 1/2" (114.3 mm) sq




Electrostatic sensitive device,
observe precautions for
handling


114x114 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-TL	11 16 18	LED	240	MW - matte white MB - matte black SLV - matte silver PC - polished chrome BSS - brushed stainless steel	SP - spot, 15° NF - narrow flood, 20° MFL - medium flood, 24° FL - flood, 28°	27 - 2700K-83 30 - 3000K-83 35 - 3500K-83 40 - 4000K-83 229 - 2200K-90+ 279 - 2700K-90+ 309 - 3000K-90+ CRISP - CrispWhite (16W max) 3CLA - 3K Class A	CE	HEX - hexcell louver SOL - solite beam softening lens DALI - DALI driver

Example: I-HDL-HP-SPA-A14-TL-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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LED



TYPE:



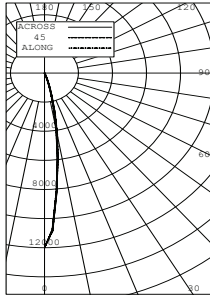
FIXTURE DATA: For 11W data, multiply by 0.62; For 16W data, multiply by 0.88

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

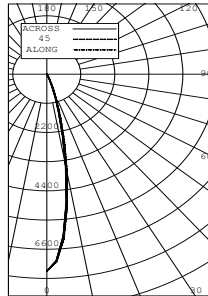
18W LED 3000K-83

SPOT
DISTRIBUTION
LTL # 818198



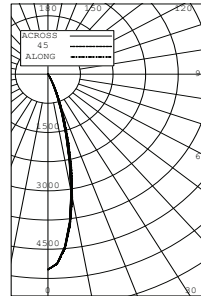
Candelas at Nadir	
Deg	Candela
0	11999
5	8118
15	1462
25	65
35	6
45	0

NARROW FLOOD
DISTRIBUTION
LTL # 818199



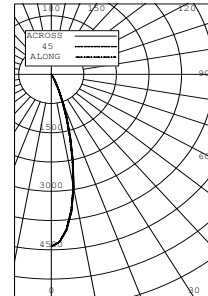
Candelas at Nadir	
Deg	Candela
0	7421
5	6260
15	1564
25	126
35	11
45	1

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

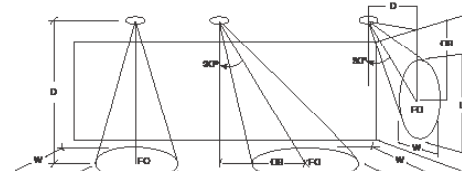


Candelas at Nadir	
Deg	Candela
0	4416
5	3999
15	1623
25	218
35	12
45	0

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