

HORNET® HP DOWNLIGHT

3.5" ROUND PINHOLE ADJUSTABLE TRIMLESS LED INTERNATIONAL

I-HDL-HP-RPA-A14-TL
LED

APPLICATION:

Retail, commercial & hospitality accent/display lighting

CONSTRUCTION:

Die-cast aluminum trim ring
Die-cast optical head construction
Cast aluminum plaster frame with perforated face
Formed steel faceplate
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:

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 989 typ	18W:SP 1099 typ
NF 863 typ	NF 959 typ
MFL 809 typ	MFL 899 typ
FL 788 typ	FL 876 typ

0-20° tilt, 358° rotation

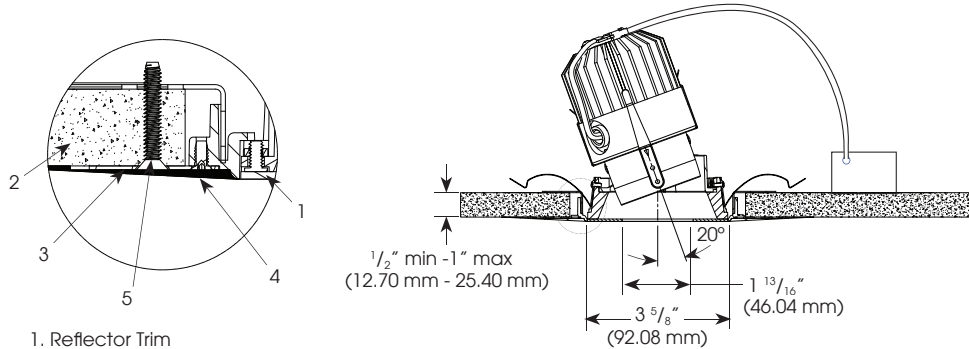
LABELING:

CE
For indoor use only



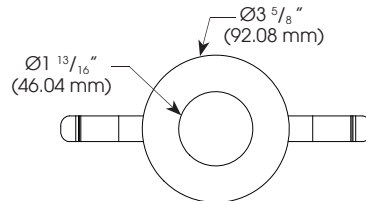
PROJECT:

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)



114.3 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

ORDERING INFORMATION:

Model	Wattage	Lamp Type	Voltage	Trim Finish	Beam Spread	Color Temp (CCT-CRI)	Listing Code	Options/Accessories
HDL-HP-RPA-A14-TL	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
18	SLV - matte silver			MFL - medium flood, 24°	35 - 3500K-83	softening lens		
				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		

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

Example: I-HDL-HP-RPA-A14-TL-18-LED-240-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:



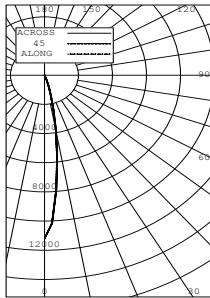
FIXTURE DATA: For 11W data, multiply by 0.62; For 16W data, multiply by 0.88

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

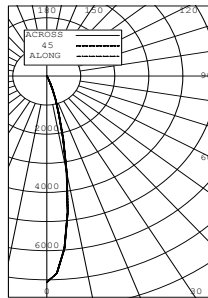
18W LED 3000K-83

SPOT
DISTRIBUTION
LTL # 818216



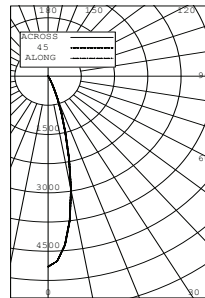
Candelas at Nadir	
Deg	Candela
0	11209
5	7888
15	1423
25	64
35	6
45	1

NARROW FLOOD
DISTRIBUTION
LTL # 818217



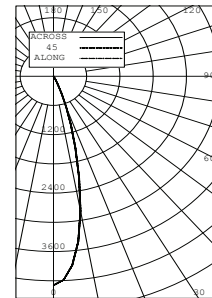
Candelas at Nadir	
Deg	Candela
0	7083
5	5941
15	1387
25	99
35	8
45	0

MEDIUM FLOOD
DISTRIBUTION
LTL # 818218



Candelas at Nadir	
Deg	Candela
0	4898
5	4358
15	1508
25	176
35	10
45	0

FLOOD
DISTRIBUTION
LTL # 818219

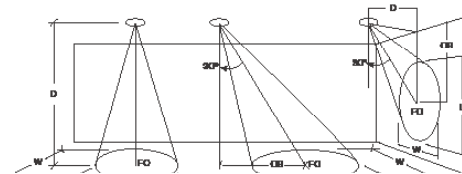


Candelas at Nadir	
Deg	Candela
0	4293
5	3897
15	1526
25	198
35	11
45	0

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'	265	1.8	1.8
	7.5'	148	2.5	2.5
	10.0'	92	3.1	3.1
	12.5'	63	3.7	3.7
NARROW FLOOD	5.0'	201	2.0	2.0
	7.5'	106	2.8	2.8
	10.0'	64	3.5	3.5
	12.5'	42	4.4	4.4
MEDIUM FLOOD	5.0'	153	2.3	2.3
	7.5'	77	3.2	3.2
	10.0'	45	4.2	4.2
	12.5'	30	5.1	5.1
FLOOD	5.0'	138	2.4	2.4
	7.5'	69	3.4	3.4
	10.0'	40	4.4	4.4
	12.5'	26	5.4	5.4