

HORNET® HP DOWNLIGHT

3.5" SQUARE DOWNLIGHT TRIMLESS LED INTERNATIONAL

I-HDL-HP-SD-A14-TL LED

APPLICATION:

Retail, commercial & hospitality accent/display lighting

CONSTRUCTION:

Die-cast aluminum trim ring
 Die-cast aluminum seamless self-flanged trim
 Cast aluminum plaster frame with perforated face
 Spring steel retaining clips
 Painted finishes include matte white and optical matte black

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 1175 typ.	18W: SP 1305 typ.
NF 1094 typ.	NF 1216 typ.
FL 1053 typ.	FL 1170 typ.
WF 1049 typ.	WF 1166 typ.

LABELING:

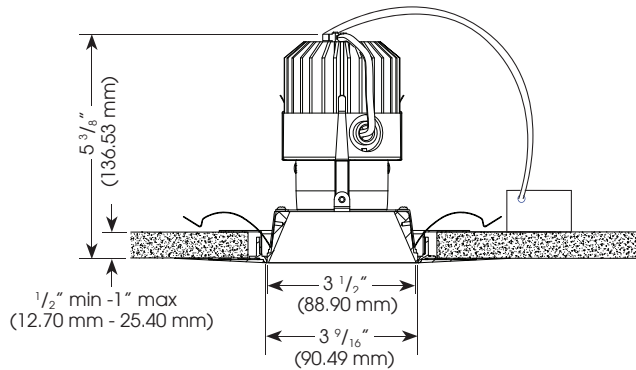


For indoor use only

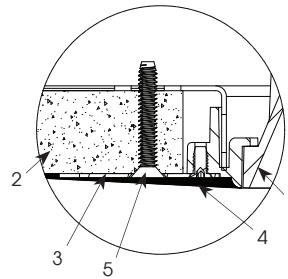


PROJECT:

TYPE:



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



1. Reflector Trim
2. Ceiling 1/2" (1" Max.)
3. Cast Aluminum Plaster Frame
4. Plaster Skim Coat (by others)
5. #6 Screw (by others)

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

ORDERING INFORMATION:

Model	Wattage	Lamp Type	Voltage	Aperture Finish	Beam Spread	Color Temp (CCT-CRI)	Listing Code	Options/Accessories
I-HDL-HP-SD-A14-TL	11	LED	240	MB - matte black MW - matte white SLV - matte silver	SP - spot, 15°	27 - 2700K-83	CE	HEX - hexcell louver
	16				NF - narrow flood, 20°	30 - 3000K-83		SOL - solite beam softening lens
					18	MFL - medium flood, 24°		35 - 3500K-83
	FL - flood, 28°					40 - 4000K-83		
	WF - wide flood, 45°				229 - 2200K-90+ 279 - 2700K-90+ 309 - 3000K-90+	CRISP - CrispWhite (16W max) 3CLA - 3K Class A		
	VWF - very wide flood, 60°							
	LS - linear spread, 60° x 10°							

Example: I-HDL-HP-SD-A14-TL-18-LED-240-MB-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-SD-
A14-TL
LED



TYPE:



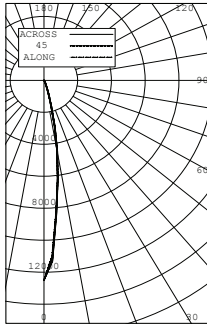
FIXTURE DATA: For 11W data, multiply by 0.62; For 16W data, multiply by 0.88

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

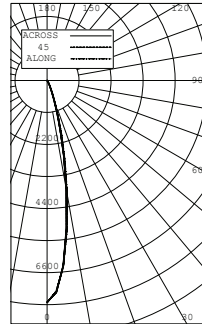
18W LED 3000K-83

SPOT
DISTRIBUTION
LTL # 818202



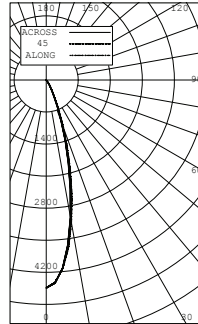
Candelas at Nadir	
Deg	Candela
0	12503
5	8267
15	1659
25	185
35	34
45	2

NARROW FLOOD
DISTRIBUTION
LTL # 818203



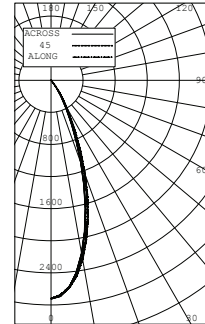
Candelas at Nadir	
Deg	Candela
0	7621
5	6414
15	1904
25	282
35	49
45	4

FLOOD
DISTRIBUTION
LTL # 818205



Candelas at Nadir	
Deg	Candela
0	4540
5	4130
15	2019
25	490
35	81
45	5

WIDE FLOOD
DISTRIBUTION
LTL # 818206

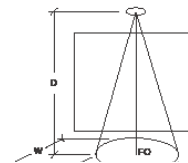


Candelas at Nadir	
Deg	Candela
0	2721
5	2581
15	1751
25	712
35	161
45	7

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'	290	1.9	1.9
	7.5'	161	2.6	2.6
	10.0'	101	3.1	3.1
	12.5'	69	3.7	3.7
NARROW FLOOD	5.0'	219	2.2	2.2
	7.5'	114	3.0	3.0
	10.0'	69	3.8	3.8
	12.5'	45	4.7	4.7
FLOOD	5.0'	141	2.7	2.7
	7.5'	70	3.7	3.7
	10.0'	42	4.9	4.9
	12.5'	27	6.0	6.0
WIDE FLOOD	5.0'	97	3.3	3.3
	7.5'	46	4.8	4.8
	10.0'	26	6.3	6.3
	12.5'	17	7.7	7.7