

HORNET® HP DOWNLIGHT

3.5" SQUARE DOWNLIGHT LED INTERNATIONAL

I-HDL-HP-SD-A14 LED



APPLICATION:

Retail, commercial & hospitality ambient & task lighting

CONSTRUCTION:

Die-cast aluminum trim ring
Die-cast aluminum seamless self-flanged trim
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 1175 typ. | 18W: SP 1305 typ. |
| NF 1094 typ. | NF 1216 typ. |
| FL 1053 typ. | FL 1170 typ. |
| WF 1049 typ. | WF 1166 typ. |

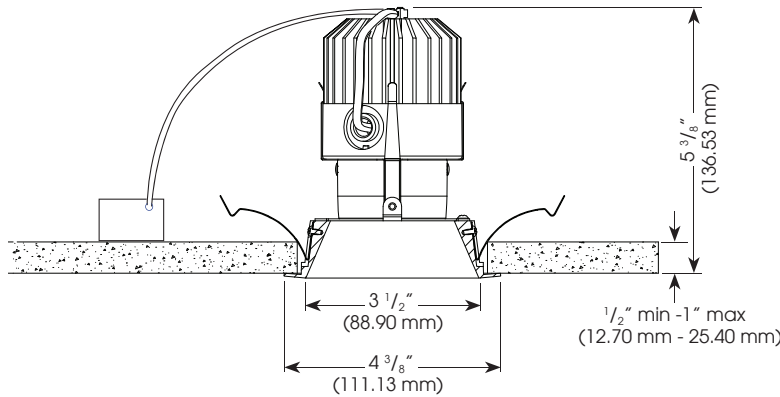
LABELING:



For indoor use only

PROJECT:

TYPE:



Ceiling Cut Out Dimension: 3 5/8" (98 mm) sq.



98x98 mm

ELECTRICAL

Electronic driver

| | 11W | | 16W | | 18W | |
|------|--------------|------|--------------|------|--------------|------|
| | System Watts | Amps | System Watts | Amps | System Watts | Amps |
| 240v | 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 | 11 | LED | 240 | <u>Reflector with White Painted Flange</u> | SP - spot, 15° | 27 - 2700K-83 | CE | HEX - hexcell louver | | | | |
| | 16 | | | | NF - narrow flood, 20° | 30 - 3000K-83 | | SOL - solite beam softening lens | | | | |
| | | | | | MWW - matte black | MFL - medium flood, 24° | | 35 - 3500K-83 | DALI - DALI driver | | | |
| | 18 | | | | MWL - matte white | FL - flood, 28° | | 40 - 4000K-83 | | | | |
| | | | | | SLVW - matte silver | WF - wide flood, 45° | | 229 - 2200K-90+ 279 - 2700K-90+ 309 - 3000K-90+ | | | | |
| | | | | | VWF - very wide flood, 60° | | | | | | | |
| | | | | LS - linear spread, 60° x 10° | | | | | | | | |
| | | | | | | | | <u>Reflector with Black Painted Flange</u> | | CRISP - CrispWhite (16W max) | | |
| | | | | | | | | <u>Reflector with Silver Painted Flange</u> | | 3CLA - 3K Class A | | |
| | | | | | | | | SLVS - matte silver | | | | |

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

Cat #:

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



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

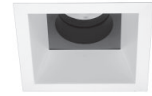
HORNET® HP DOWNLIGHT

3.5" SQUARE DOWNLIGHT LED INTERNATIONAL

I-HDL-HP-
SD-A14
LED



TYPE:



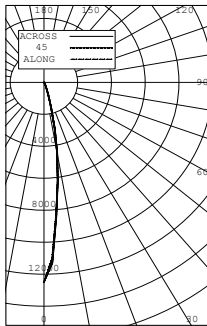
FIXTURE DATA: For 11W data, multiply by 0.62; For 16W data, multiply by 0.88

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

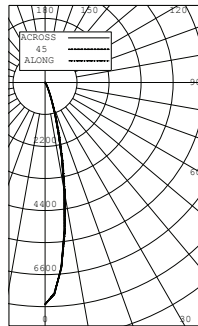
18W LED 3000K-83

SPOT
DISTRIBUTION
LTL # 818202



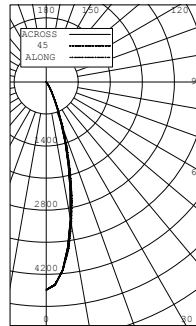
| Candelas at Nadir | |
|-------------------|---------|
| Deg | Candela |
| 0 | 12503 |
| 5 | 8267 |
| 15 | 1659 |
| 25 | 185 |
| 35 | 34 |
| 45 | 2 |

NARROW FLOOD
DISTRIBUTION
LTL # 818203



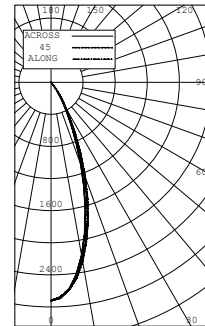
| Candelas at Nadir | |
|-------------------|---------|
| Deg | Candela |
| 0 | 7621 |
| 5 | 6414 |
| 15 | 1904 |
| 25 | 282 |
| 35 | 49 |
| 45 | 4 |

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

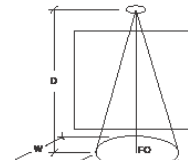


| Candelas at Nadir | |
|-------------------|---------|
| Deg | Candela |
| 0 | 2721 |
| 5 | 2581 |
| 15 | 1751 |
| 25 | 712 |
| 35 | 161 |
| 45 | 7 |

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 |