

# Hornet® HP

Round Downlights, Dim-To-Warm



PROJECT:

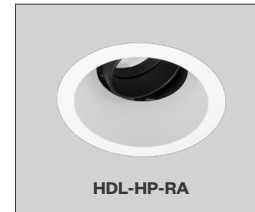
TYPE:

## Features

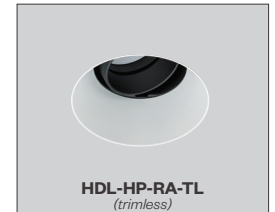
Add ambiance to any hospitality, residential, retail or commercial space. Amerlux Hornet HP Downlight Dim-To-Warm option offers a lower kelvin temperature as you dim the lights. An adaptable light source in a cost-effective, solid state lighting package. The Dim-To-Warm option can tap into the powerful mediums of light and color to enhance the experience, well-being, and human emotion. Amerlux Dim-To-Warm allows designers to simulate the familiar glow and dimming of incandescent lamps. Available for trimmed, trimless or millwork applications.

## Product Overview

Type: Recessed Round Downlights  
Wattage: 15W  
Color Temp: 3000K to 1800K  
CRI: 95 typ.  
Dimming: Wired: TRIAC & ELV, Hi-lume®, 0-10V, DALI  
Wireless: Lutron Athena RF node, BubblyNet Bluetooth



HDL-HP-RA



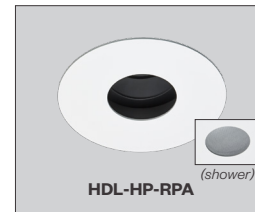
HDL-HP-RA-TL  
(trimless)



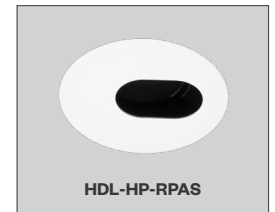
HDL-HP-RD



HDL-HP-RD-MWK  
(millwork)



HDL-HP-RPA  
(shower)



HDL-HP-RPAS

## Certifications



## Fixture Summary

### Fixture Type

| New Construction | Remodeler | Trim | Trimless |
|------------------|-----------|------|----------|
| Yes              | Yes       | Yes  | Yes      |

### Performance Data

| Watts | Delivered Lumens | LPW  | Color Temp-CRI |
|-------|------------------|------|----------------|
| 15    | 699              | 47.5 | 3000K-95       |

Data is based on 3000K-83 120V IES files available on website.

Data is based on RA trim, VNF optic. See pages 8-11 for other performance data.

Includes 2W for thermal protector.

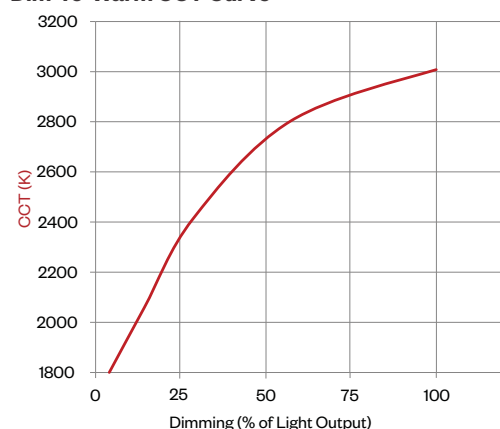
### Electrical Data

| 15W     |              |      |
|---------|--------------|------|
| Voltage | System Watts | Amps |
| 120V    | 15           | 0.13 |
| 277V    | 16           | 0.06 |

Electronic constant current LED driver.

Includes thermal protector, 2W power consumption.

### Dim-To-Warm CCT Curve



# Hornet® HP

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PROJECT:

TYPE:

## Ordering Information - Housing/Frame

| 1 | 2                                                                                                                                                                                                                                                                                                            | 3 | 4                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5 | 6                                                                                                                                                                                                                                                                                                                                              |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Model                                                                                                                                                                                                                                                                                                        | 2 | Style                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3 | Wattage                                                                                                                                                                                                                                                                                                                                        |
|   | <p><u>For New Construction</u></p> <p><b>HDL-HP-R-NC-DTW-A17</b> (New Construction)</p> <p><b>HDL-HP-R-CP-DTW-A17</b> (Chicago Plenum (CCEA) housing)</p> <p><b>HDL-HP-R-IC-DTW-A17</b> (Insulated Ceiling/air tight)</p> <p><u>For Existing Ceilings</u></p> <p><b>HDL-HP-R-REM-DTW-A17</b> (Remodeler)</p> |   | <p><b>T</b> trimmed</p> <p><b>TL</b> trimless</p> <p><b>MWK<sup>R</sup></b> millwork (for 1/2" - 11/16" ceiling thickness)</p> <p><b>MWK1<sup>R</sup></b> millwork (for 3/4" - 1-1/2" ceiling thickness)</p> <p><b>MWK2<sup>R</sup></b> millwork (for 1-1/2" - 2" ceiling thickness)</p> <p><i><sup>R</sup>Not available for use with Remodeler model</i></p>                                                                         |   | 15                                                                                                                                                                                                                                                                                                                                             |
| 4 | Voltage                                                                                                                                                                                                                                                                                                      | 5 | Driver (for non-dimming, select LE/TE option)                                                                                                                                                                                                                                                                                                                                                                                         | 6 | Options/Accessories                                                                                                                                                                                                                                                                                                                            |
|   | <p><b>120</b></p> <p><b>277</b></p> <p><b>120/277</b> (for use with IC housing only)</p>                                                                                                                                                                                                                     |   | <p><u>Wired</u></p> <p><b>LE/TE</b> TRIAC/ELV dimming</p> <p><b>HILUME-H-ECO</b> - Lutron LDE1 Hi-lume®</p> <p>1% dim Soft-On/Fade-to-Black</p> <p><b>0-10V</b> 0-10V dimming, 1% dim</p> <p><b>DALI</b> DALI dimming, 1% dim</p> <p><u>Wireless</u></p> <p><b>AWN-R-010*</b> Lutron Athena wireless node, RF only, 0-10V</p> <p><b>BN-BT-010*</b> BubblyNet Bluetooth node, 0-10V</p> <p><i>* Consult factory for lead time.</i></p> |   | <p><b>EM</b> - emergency battery pack with remote test switch (not available for use with REM, CP or IC options)</p> <p><b>HB49</b> - hanger bars from min 29" to max 49" (not available for use with REM options)</p> <p><b>Note: 26" hanger bars are included as standard. Choose HB49 option above for larger mounting spaces only.</b></p> |

## Ordering Information - Trim

| 1 | 2                                                                                                                                                                                                                                                                                  | 3 | 4                                                                                                                                                              | 5 | 6                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Model                                                                                                                                                                                                                                                                              | 2 | Style                                                                                                                                                          | 3 | Finish                                                                                                                                                                                                                                                                                                                                                                                                                   |
|   | <p><b>HDL-HP-RD-DTW-A17</b> (downlight)</p> <p><b>HDL-HP-RA-DTW-A17</b> (adjustable)</p> <p><b>HDL-HP-RPA-DTW-A17</b> (pinhole adjustable)</p> <p><b>HDL-HP-RPAS-DTW-A17</b> (pinhole adjustable slot)</p> <p><b>HDL-HP-RPASHW-DTW-A17</b> (shower, not available in trimless)</p> |   | <p><b>T</b> trimmed</p> <p><b>TL</b> trimless (not available for use with RPASHW trim)</p> <p><b>MWK</b> millwork (not available for use with RPASHW trim)</p> |   | <p><u>RD/RA Trims</u></p> <p><b>Trimmed</b></p> <p><b>MBW</b> matte black, white flange</p> <p><b>MWW</b> matte white, white flange</p> <p><b>SLVW</b> matte silver, white flange</p> <p><b>MBB</b> matte black, black flange</p> <p><b>SLVS</b> matte silver, silver flange</p> <p><u>RPA/RPAS/RPASHW Trims (T/TL/MWK)</u></p> <p><b>MB</b> matte black</p> <p><b>MW</b> matte white</p> <p><b>SLV</b> matte silver</p> |
| 4 | Beam Spread                                                                                                                                                                                                                                                                        | 5 | Color Temp                                                                                                                                                     | 6 | Options/Accessories                                                                                                                                                                                                                                                                                                                                                                                                      |
|   | <p><b>RD/RA</b> <b>RPA/RPAS/RPASHW</b></p> <p><b>VNF</b> <b>VNF</b></p> <p><b>MFL</b> <b>FL</b></p> <p><b>FL</b></p> <p><b>WF</b></p> <p><i>VNF very narrow flood, MFL medium flood, FL flood 28°, WF wide flood</i></p>                                                           |   | <p><b>95 CRI</b></p> <p><b>309</b> 3000K-95</p>                                                                                                                |   | <p><b>HEX</b> hexcell louver (not available for use with RPASHW trim)</p> <p><b>SOL</b> solite beam softening lens (comes standard with RPASHW trim)</p>                                                                                                                                                                                                                                                                 |

# Hornet® HP

Round Downlights, Dim-To-Warm



PROJECT:

TYPE:

## Specifications

### Application

Hospitality and commercial ambient, accent & display lighting

### Construction

20 ga. galvanized steel frame  
18 ga. galvanized steel splice housing and hanger brackets (*not for Remodeler version*)  
Cast aluminum plaster frame with perforated face (*for trimless version only*)  
Die-cast optical housing and trim  
Die-cast heat sink

### Optical

Beam Spreads: Very Narrow Flood, 18°; Medium Flood, 25°;  
Flood, 35° (*28° in RPA*); Wide Flood, 45° (*see photometric data, pgs 8-11 for exact beams by fixture type*)  
Adjustable Trims: 0-30° tilt (0-20° in RPA), 358° rotation

### LED

Color Temp Options: 3000K (*dims to 1800K*)  
CRI: 95 typ.  
R9 Values: 85 (*95 CRI*)  
Binning: 3 MacAdam (*SDCM*)  
Life: 50,000+ hrs, > 70% of initial lumens at 50,000 hrs

### Electrical

Wattage: 15W  
Electronic constant current LED driver, 120/277VAC input  
***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 and over voltage damage is not covered under warranty.***  
***Note: Drivers are universal but thermal protector is voltage specific***

### Drivers

**LE/TE** - Leading Edge (*Triac, Forward Phase*) or Trailing Edge (*ELV, Reverse Phase*)  
0-10V, Lutron and DALI systems also available  
*See pages 12-13 for more dimming information*

### Finish

Powder coat paint/wet paint  
*Consult factory for custom finishes*

### Mounting

26" Hanger bars included (*except for Remodeler versions*)  
Optional **HB49** - hanger bars from min 29" to max 49" available

#### Trimmed Fixture:

For use in grid or sheetrock ceilings, 5/8" - 2" standard

#### Trimless Fixture (*not available with Shower trim*):

For use in sheetrock ceilings, max ceiling thickness 5/8"

#### Millwork Fixture:

Millwork extension collars are based on ceiling material specifications and thickness. Provides flush trim appearance level with ceiling material.  
Max thickness 2"

***Not available for use with Remodeler model***

### Certifications

CSA damp as tested to UL 1598 standards  
IC/AT rated (*optional*)  
Damp location  
JA10 compliant for Title 24 per L Test 13005791.01A (*available upon request*)

### Warranty

5 year limited warranty

### Emergency Battery Pack (EM)

Powers fixture at 5.1 watts (*approx. 400 Lm*) for 90 minutes (*not for use with REM, CP or IC versions*)  
*See wiring schematic on pg 14.*

### Optional RF Node

Amerlux® has partnered with control companies to create building environments that are safer, and smarter, than ever before. At the heart of our partnership is intelligent RF nodes, the most advanced digital wireless communication available today. Integrated into Amerlux products.

## Accessories (*diagram shows installation order*)



Hexcell, optical film, solite lens

# Hornet® HP

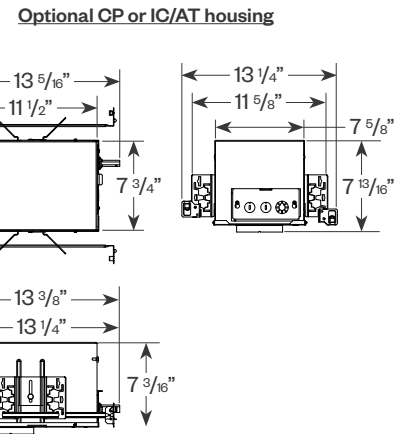
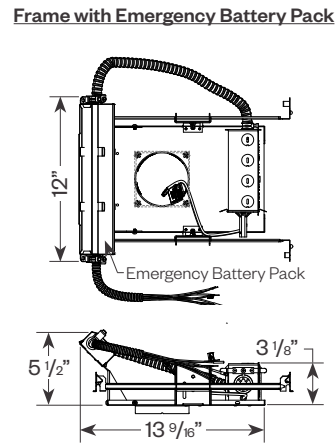
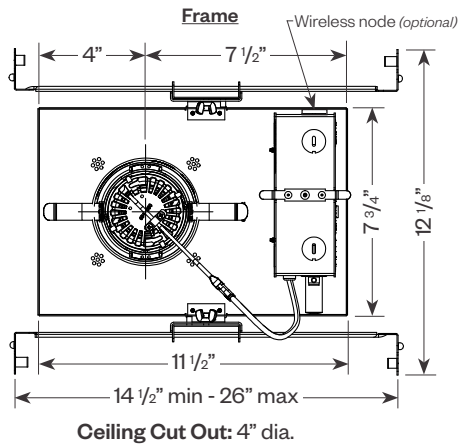
Round Downlights, **Dim-To-Warm**



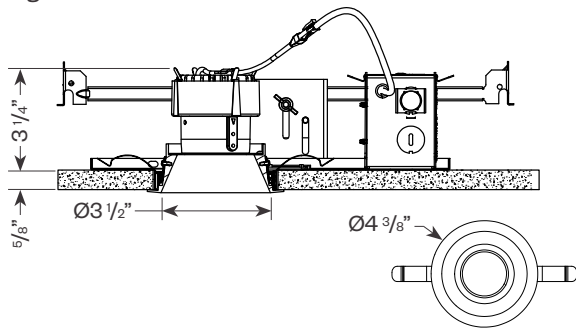
PROJECT:

TYPE:

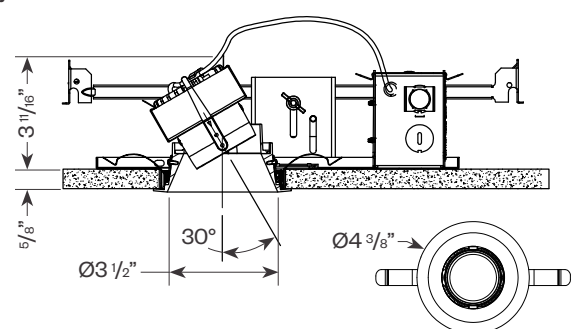
## Product Details - Trimmed



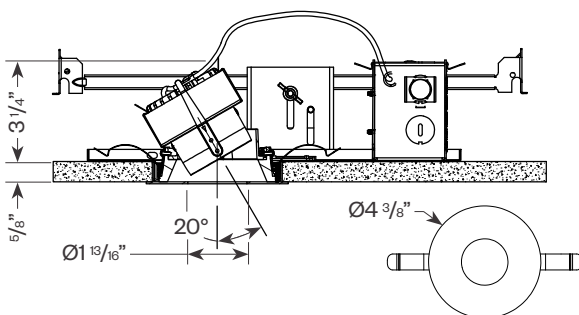
### Downlight



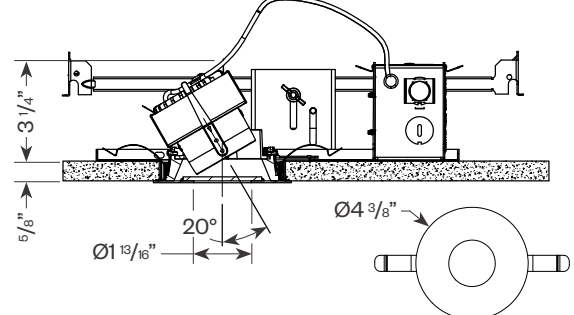
### Adjustable



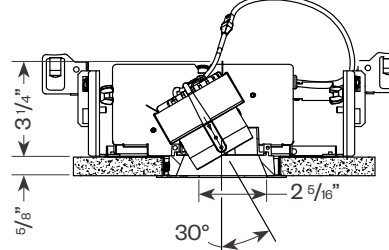
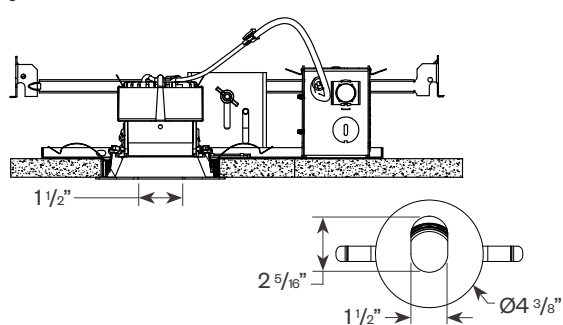
### Pinhole Adjustable



### Pinhole Adjustable Shower



### Pinhole Adjustable Slot



# Hornet® HP

Round Downlights, Dim-To-Warm

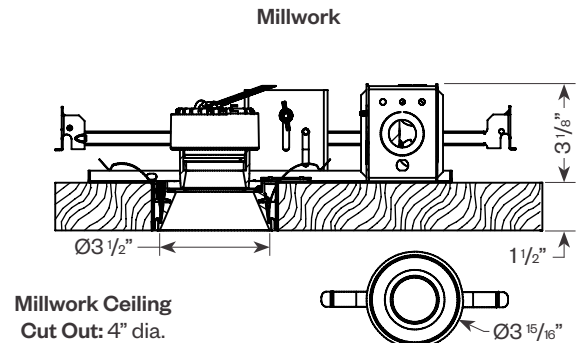
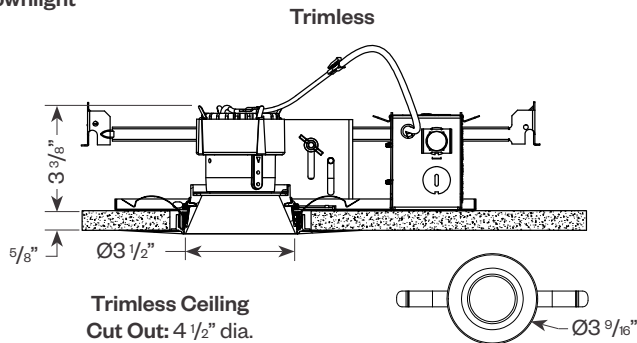


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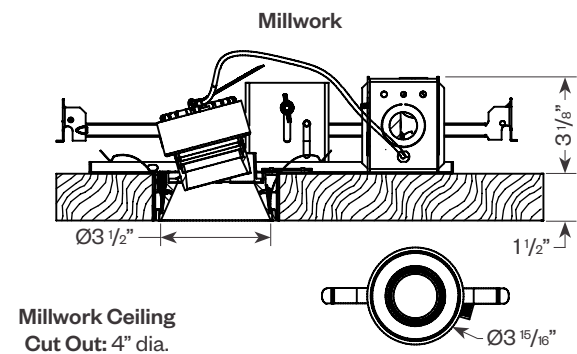
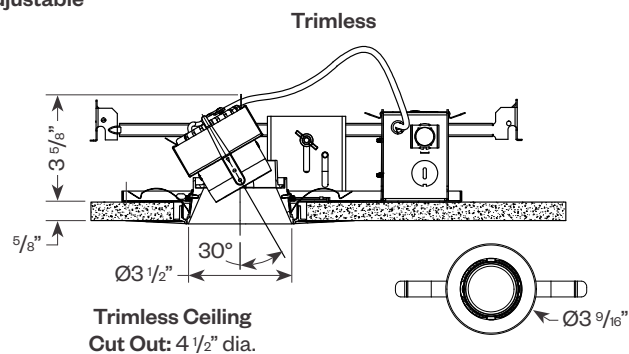
TYPE:

## Product Details - Trimless & Millwork

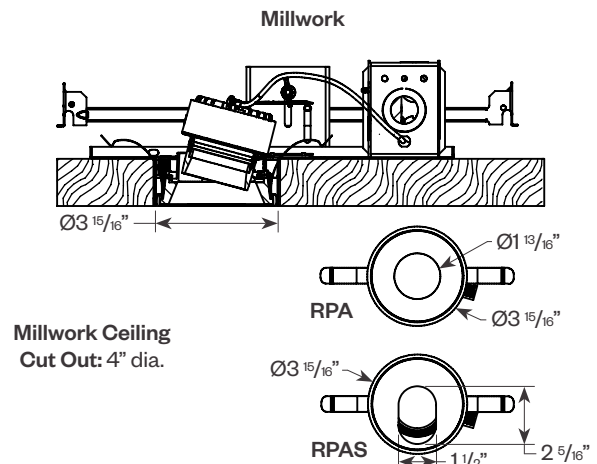
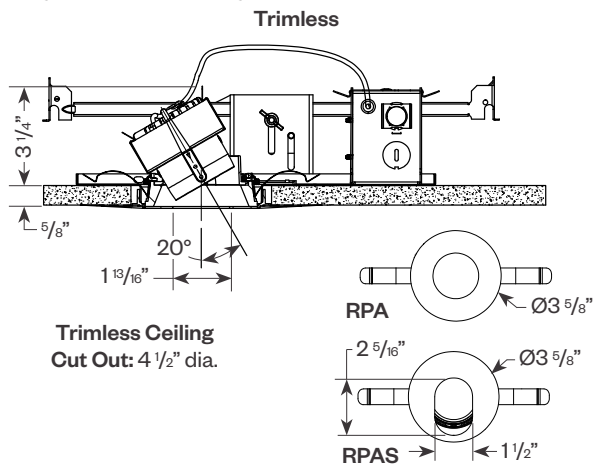
### Downlight



### Adjustable

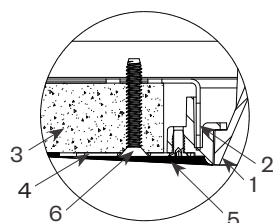


### Pinhole Adjustable/Pinhole Adjustable Slot



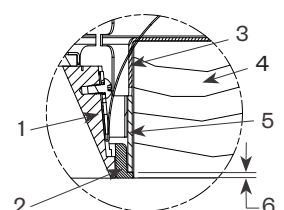
### Plaster Frame Installation Detail (for trimless fixture only)

1. Reflector Trim
2. Aperture Plate
3. Ceiling 5/8"
4. Cast Aluminum Plaster Frame
5. Plaster Skim Coat (by others)
6. 6-32 Type F Thread Cutting Screw



### Millwork Detail

1. Reflector Trim
2. Millwork Ring
3. Aperture Plate
4. Wood Ceiling 2" Max
5. Extension collar (see ordering information for ceiling thicknesses)
6. 1/16" required for trim to be flush with ceiling



# Hornet® HP

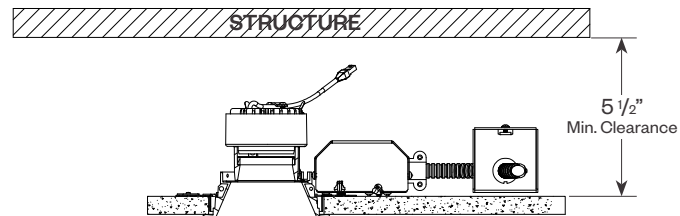
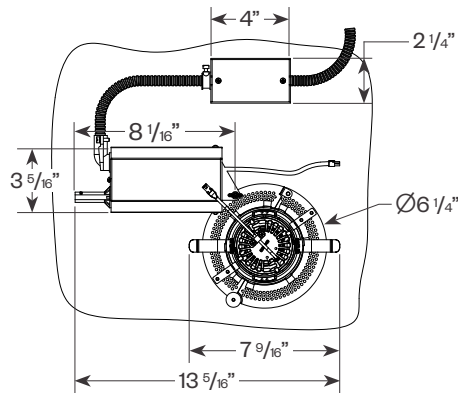
Round Downlights, **Dim-To-Warm**



PROJECT:

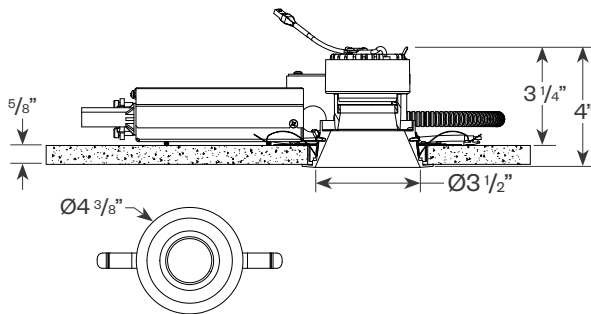
TYPE:

## Product Details - Remodeler Trimmed

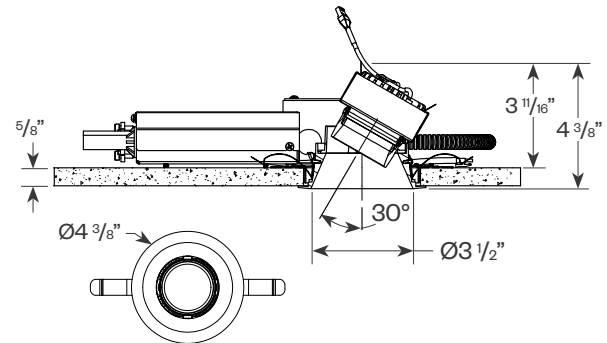


Ceiling Cut Out: 4" dia.

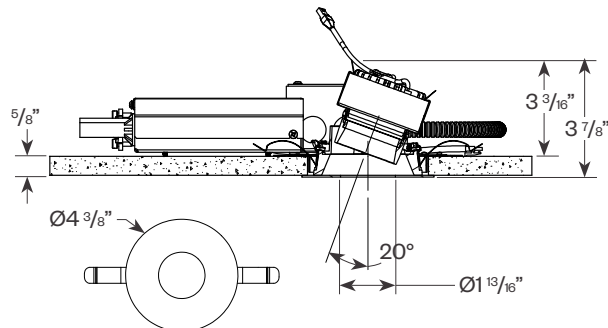
### Downlight



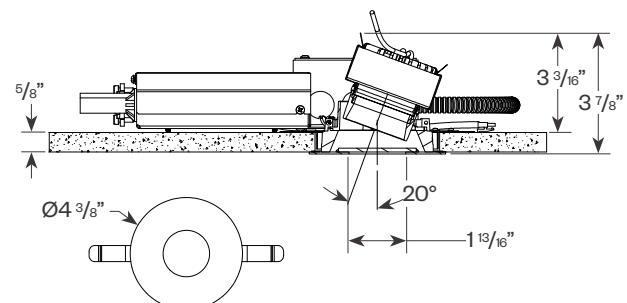
### Adjustable



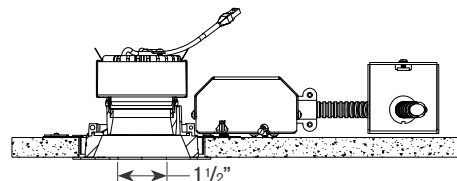
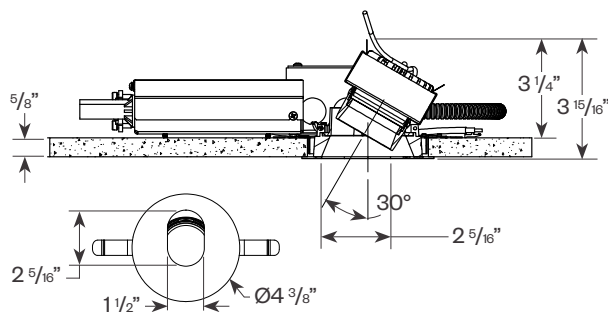
### Pinhole Adjustable



### Pinhole Adjustable Shower



### Pinhole Adjustable Slot



# Hornet® HP

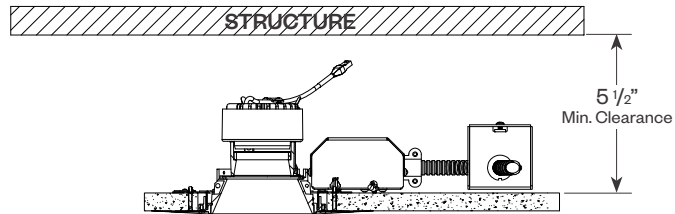
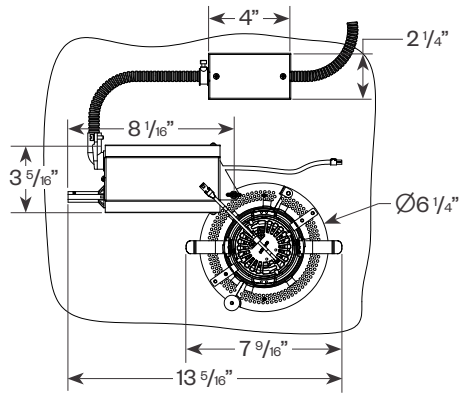
Round Downlights, Dim-To-Warm



PROJECT:

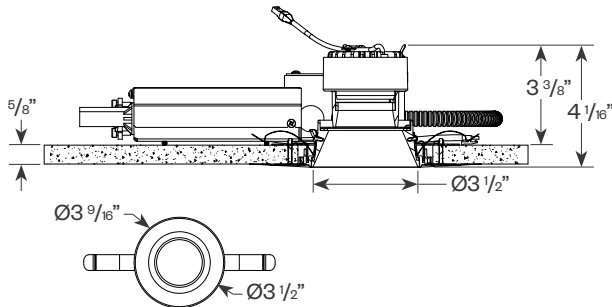
TYPE:

## Product Details - Remodeler Trimless

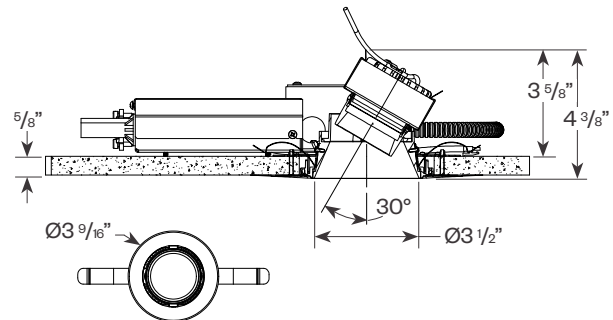


Trimless Ceiling Cut Out: 4 1/2" dia.

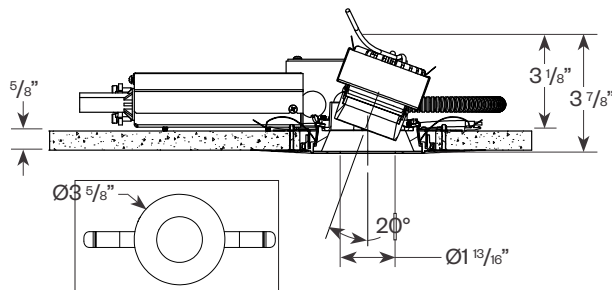
### Downlight



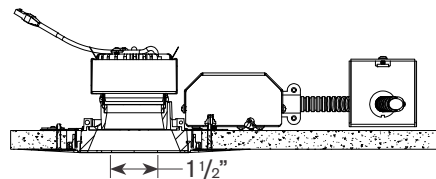
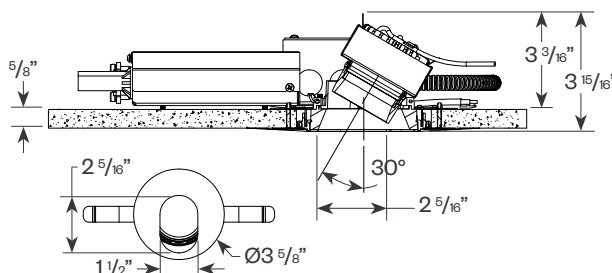
### Adjustable



### Pinhole Adjustable



### Pinhole Adjustable Slot





# Hornet® HP

Round Downlights, Dim-To-Warm



PROJECT:

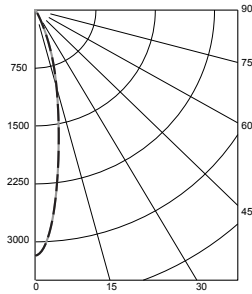
TYPE:

## Performance Data - Round Downlight (HDL-HP-RD-DTW)

(Complete photometric data (.ies format) available on website)

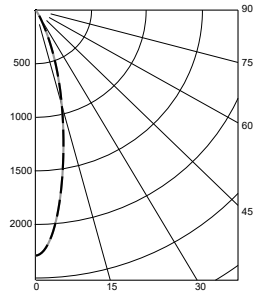
15W LED, 3000K-95

**Very Narrow Flood (VNF)**  
Distribution, 18°  
LTL #11919582.12  
Lumens: 672



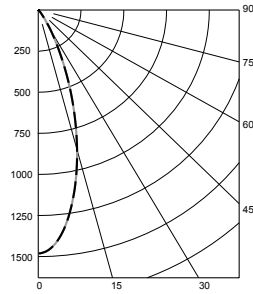
| Candelas at Nadir |         |
|-------------------|---------|
| Deg               | Candela |
| 0                 | 3179    |
| 5                 | 2638    |
| 15                | 1030    |
| 25                | 252     |
| 35                | 43      |
| 45                | 10      |

**Medium Flood (MFL)**  
Distribution, 25°  
LTL #11919582.13  
Lumens: 609



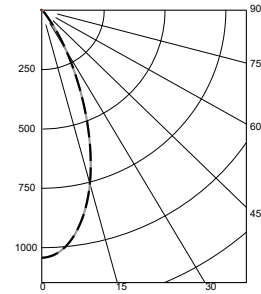
| Candelas at Nadir |         |
|-------------------|---------|
| Deg               | Candela |
| 0                 | 2291    |
| 5                 | 2024    |
| 15                | 942     |
| 25                | 267     |
| 35                | 50      |
| 45                | 11      |

**Flood (FL)**  
Distribution, 35°  
LTL #11919582.14  
Lumens: 582



| Candelas at Nadir |         |
|-------------------|---------|
| Deg               | Candela |
| 0                 | 1481    |
| 5                 | 1395    |
| 15                | 882     |
| 25                | 331     |
| 35                | 63      |
| 45                | 13      |

**Wide Flood (WF)**  
Distribution, 45°  
LTL #11919582.15  
Lumens: 540



| Candelas at Nadir |         |
|-------------------|---------|
| Deg               | Candela |
| 0                 | 1042    |
| 5                 | 1007    |
| 15                | 751     |
| 25                | 359     |
| 35                | 85      |
| 45                | 15      |

## Application Data - Round Downlight (HDL-HP-RD-DTW)

### Notes and Definitions:

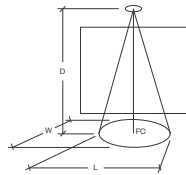
Beam spread is to 50% center beam candlepower (CBCP).

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).



|                         |       |  0° Aiming Angle<br>Horizontal<br>Footcandles |     |     |  |
|-------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------|-----|-----|--|
| Very<br>Narrow<br>Flood | D     | FC                                                                                                                               | L   | W   |  |
|                         | 5.0'  | 122                                                                                                                              | 1.8 | 1.8 |  |
|                         | 7.5'  | 55                                                                                                                               | 2.9 | 2.9 |  |
|                         | 10.0' | 31                                                                                                                               | 3.7 | 3.7 |  |
|                         | 12.5' | 20                                                                                                                               | 4.6 | 4.6 |  |
|                         |       |                                                                                                                                  |     |     |  |

|  |       | 0° Aiming Angle<br>Horizontal<br>Footcandles |     |     |   |
|-------------------------------------------------------------------------------------|-------|----------------------------------------------|-----|-----|---|
|                                                                                     |       | D                                            | FC  | L   | W |
| Medium Flood                                                                        | 5.0'  | 88                                           | 2.3 | 2.3 |   |
|                                                                                     | 7.5'  | 40                                           | 3.3 | 3.3 |   |
|                                                                                     | 10.0' | 23                                           | 4.4 | 4.4 |   |
|                                                                                     | 12.5' | 15                                           | 5.5 | 5.5 |   |
|                                                                                     |       |                                              |     |     |   |

|  |       | 0° Aiming Angle |     |     |
|-------------------------------------------------------------------------------------|-------|-----------------|-----|-----|
|                                                                                     |       | Horizontal      |     |     |
|                                                                                     |       | Footcandles     |     |     |
| Flood                                                                               | D     | FC              | L   | W   |
|                                                                                     | 5.0'  | 57              | 3.0 | 3.0 |
|                                                                                     | 7.5'  | 26              | 4.4 | 4.4 |
|                                                                                     | 10.0' | 15              | 5.7 | 5.7 |
|                                                                                     | 12.5' | 9               | 7.2 | 7.2 |

|            |       |  0° Aiming Angle<br>Horizontal<br>Footcandles |     |     |  |
|------------|-------|------------------------------------------------------------------------------------------------------------------------------------|-----|-----|--|
| Wide Flood | D     | FC                                                                                                                                 | L   | W   |  |
|            | 5.0'  | 40                                                                                                                                 | 3.4 | 3.4 |  |
|            | 7.5'  | 18                                                                                                                                 | 5.1 | 5.1 |  |
|            | 10.0' | 10                                                                                                                                 | 6.9 | 6.9 |  |
|            | 12.5' | 7                                                                                                                                  | 8.5 | 8.5 |  |
|            |       |                                                                                                                                    |     |     |  |



# Hornet® HP

Round Downlights, Dim-To-Warm



PROJECT:

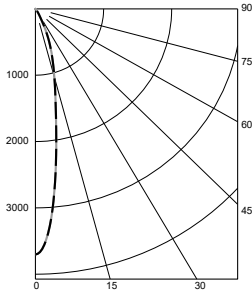
TYPE:

## Performance Data - Round Adjustable (HDL-HP-RA-DTW)

(Complete photometric data (.ies format) available on website)

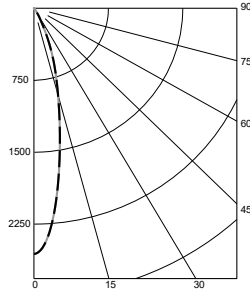
15W LED, 3000K-95

**Very Narrow Flood (VNF)**  
Distribution, 18°  
LTL #11919582.16  
Lumens: 699



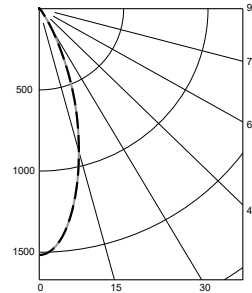
| Candelas at Nadir |         |
|-------------------|---------|
| Deg               | Candela |
| 0                 | 3704    |
| 5                 | 2907    |
| 15                | 1010    |
| 25                | 285     |
| 35                | 42      |
| 45                | 12      |

**Medium Flood (MFL)**  
Distribution, 25°  
LTL #11919582.17  
Lumens: 652



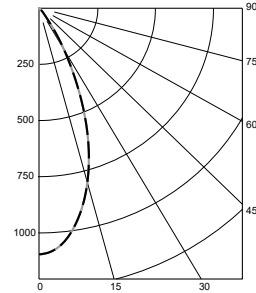
| Candelas at Nadir |         |
|-------------------|---------|
| Deg               | Candela |
| 0                 | 2561    |
| 5                 | 2215    |
| 15                | 967     |
| 25                | 296     |
| 35                | 49      |
| 45                | 14      |

**Flood (FL)**  
Distribution, 35°  
LTL # 11919582.18  
Lumens: 611



| Candelas at Nadir |         |
|-------------------|---------|
| Deg               | Candela |
| 0                 | 1517    |
| 5                 | 1431    |
| 15                | 911     |
| 25                | 358     |
| 35                | 63      |
| 45                | 15      |

**Wide Flood (WF)**  
Distribution, 45°  
LTL # 11919582.19  
Lumens: 579



| Candelas at Nadir |         |
|-------------------|---------|
| Deg               | Candela |
| 0                 | 1096    |
| 5                 | 1059    |
| 15                | 798     |
| 25                | 395     |
| 35                | 83      |
| 45                | 17      |

## Application Data - Round Adjustable (HDL-HP-RA-DTW)

### Notes and Definitions:

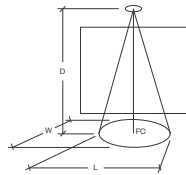
Beam spread is to 50% center beam candlepower (CBCP).

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).



|                         |       |  0° Aiming Angle<br>Horizontal<br>Footcandles |     |     |  |
|-------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------|-----|-----|--|
| Very<br>Narrow<br>Flood | D     | FC                                                                                                                               | L   | W   |  |
|                         | 5.0'  | 142                                                                                                                              | 1.6 | 1.6 |  |
|                         | 7.5'  | 64                                                                                                                               | 2.5 | 2.5 |  |
|                         | 10.0' | 36                                                                                                                               | 3.3 | 3.3 |  |
|                         | 12.5' | 23                                                                                                                               | 3.9 | 3.9 |  |
|                         |       |                                                                                                                                  |     |     |  |

|  |       | 0° Aiming Angle<br>Horizontal<br>Footcandles |     |     |   |
|-------------------------------------------------------------------------------------|-------|----------------------------------------------|-----|-----|---|
|                                                                                     |       | D                                            | FC  | L   | W |
| Medium Flood                                                                        | 5.0'  | 99                                           | 2.1 | 2.1 |   |
|                                                                                     | 7.5'  | 44                                           | 3.2 | 3.2 |   |
|                                                                                     | 10.0' | 25                                           | 4.1 | 4.1 |   |
|                                                                                     | 12.5' | 16                                           | 5.2 | 5.2 |   |
|                                                                                     |       |                                              |     |     |   |

|       |       |  0° Aiming Angle<br>Horizontal<br>Footcandles |     |     |  |
|-------|-------|----------------------------------------------------------------------------------------------------------------------------------|-----|-----|--|
| Flood | D     | FC                                                                                                                               | L   | W   |  |
|       | 5.0'  | 59                                                                                                                               | 3.0 | 3.0 |  |
|       | 7.5'  | 26                                                                                                                               | 4.4 | 4.4 |  |
|       | 10.0' | 15                                                                                                                               | 5.8 | 5.8 |  |
|       | 12.5' | 10                                                                                                                               | 7.3 | 7.3 |  |

|  |       | 0° Aiming Angle<br>Horizontal<br>Footcandles |     |     |  |
|---------------------------------------------------------------------------------------|-------|----------------------------------------------|-----|-----|--|
| Wide Flood                                                                            | D     | FC                                           | L   | W   |  |
|                                                                                       | 5.0'  | 42                                           | 3.5 | 3.5 |  |
|                                                                                       | 7.5'  | 19                                           | 5.3 | 5.3 |  |
|                                                                                       | 10.0' | 11                                           | 7.0 | 7.0 |  |
|                                                                                       | 12.5' | 7                                            | 8.7 | 8.7 |  |
|                                                                                       |       |                                              |     |     |  |

# Hornet® HP

Round Downlights, Dim-To-Warm



PROJECT:

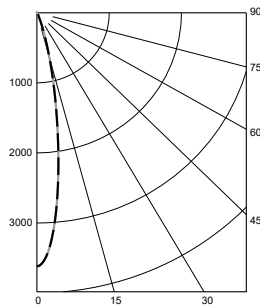
TYPE:

## Performance Data - Round Pinhole Adjustable (HDL-HP-RPA-DTW)

(Complete photometric data (.ies format) available on website)

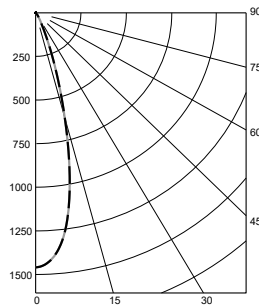
### 15W LED, 3000K-95

Very Narrow Flood (VNF)  
Distribution, 18°  
LTL #11919582.22  
Lumens: 457



| Candelas at Nadir |         |
|-------------------|---------|
| Deg               | Candela |
| 0                 | 3620    |
| 5                 | 2876    |
| 15                | 595     |
| 25                | 60      |
| 35                | 22      |
| 45                | 3       |

Flood (FL)  
Distribution, 28°  
LTL #11919582.23  
Lumens: 376



| Candelas at Nadir |         |
|-------------------|---------|
| Deg               | Candela |
| 0                 | 1460    |
| 5                 | 1375    |
| 15                | 635     |
| 25                | 108     |
| 35                | 25      |
| 45                | 4       |

## Application Data - Round Pinhole Adjustable (HDL-HP-RPA-DTW)

### Notes and Definitions:

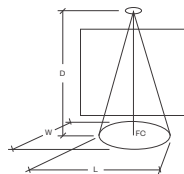
Beam spread is to 50% center beam candlepower (CBCP).

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).



| Very Narrow Flood | 0° Aiming Angle Horizontal Footcandles |     |     |     |
|-------------------|----------------------------------------|-----|-----|-----|
|                   | D                                      | FC  | L   | W   |
|                   | 5.0'                                   | 139 | 1.5 | 1.5 |
|                   | 7.5'                                   | 63  | 2.4 | 2.4 |
|                   | 10.0'                                  | 36  | 3.1 | 3.1 |
|                   | 12.5'                                  | 23  | 3.8 | 3.8 |

| Flood | 0° Aiming Angle Horizontal Footcandles |    |     |     |
|-------|----------------------------------------|----|-----|-----|
|       | D                                      | FC | L   | W   |
|       | 5.0'                                   | 56 | 2.5 | 2.5 |
|       | 7.5'                                   | 25 | 3.6 | 3.6 |
|       | 10.0'                                  | 14 | 4.8 | 4.8 |
|       | 12.5'                                  | 9  | 5.9 | 5.9 |

PROJECT:

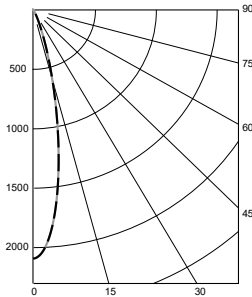
TYPE:

### Performance Data - Round Pinhole Adjustable Shower (HDL-HP-RPASHW-DTW)

(Complete photometric data (.ies format) available on website)

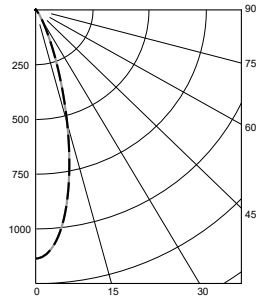
#### 15W LED, 3000K-95

Very Narrow Flood (VNF)  
Distribution, 23°  
LTL #11919582.20  
Lumens: 428



| Candelas at Nadir |         |
|-------------------|---------|
| Deg               | Candela |
| 0                 | 2092    |
| 5                 | 1830    |
| 15                | 641     |
| 25                | 115     |
| 35                | 26      |
| 45                | 7       |

Flood (FL)  
Distribution, 28°  
LTL # 11919582.21  
Lumens: 354



| Candelas at Nadir |         |
|-------------------|---------|
| Deg               | Candela |
| 0                 | 1135    |
| 5                 | 1057    |
| 15                | 545     |
| 25                | 143     |
| 35                | 34      |
| 45                | 9       |

### Application Data - Round Pinhole Adjustable Shower (HDL-HP-RPASHW-DTW)

#### Notes and Definitions:

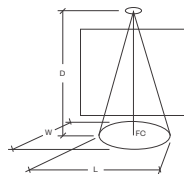
Beam spread is to 50% center beam candlepower (CBCP).

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).



| Very Narrow Flood | 0° Aiming Angle Horizontal Footcandles |    |     |     |
|-------------------|----------------------------------------|----|-----|-----|
|                   | D                                      | FC | L   | W   |
|                   | 5.0'                                   | 81 | 2.0 | 2.0 |
|                   | 7.5'                                   | 36 | 2.9 | 2.9 |
|                   | 10.0'                                  | 21 | 3.9 | 3.9 |
|                   | 12.5'                                  | 13 | 4.9 | 4.9 |

| Flood | 0° Aiming Angle Horizontal Footcandles |    |     |     |
|-------|----------------------------------------|----|-----|-----|
|       | D                                      | FC | L   | W   |
|       | 5.0'                                   | 44 | 2.6 | 2.6 |
|       | 7.5'                                   | 20 | 3.7 | 3.7 |
|       | 10.0'                                  | 11 | 5.0 | 5.0 |
|       | 12.5'                                  | 7  | 6.2 | 6.2 |

# Hornet® HP

Round Downlights, Dim-To-Warm



PROJECT:

TYPE:

## Dimming Compatibility

Amerlux® Hornet® fixtures are compatible with all major dimming protocols prevalent in the United States. Please see below for general compatibilities and wiring diagrams. Amerlux recommends testing your unique dimming configuration as the exact full configuration (Dimmer, Fixture Quantity, Voltage, etc) may affect dimming performance.

--- NOTE: INFORMATION BELOW IS FOR WIRED DIMMERS ONLY. FOR WIRELESS DIMMERS, CONSULT FACTORY ---

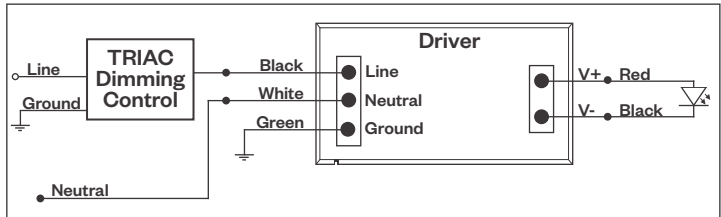
### TRIAC (Forward Phase) DIMMING (Standard)

Utilizes standard TRIAC dimmers that are in wide use in installations across the US. Best for retrofit applications where TRIAC dimmers are installed.

#### Notes:

- 120VAC or 277VAC\*
- Dims down to 5% light output (most cases)
- Consult Dimming manufacturer for installation instructions - **DO NOT SHARE NEUTRALS!**
- Must meet dimmer Minimum Load Requirements per dimming manufacturer

### TRIAC Wiring Diagram



#### Compatible Dimmers†:

| Wall Box (TRIAC 120VAC) | Central System       |
|-------------------------|----------------------|
| Lutron "Diva"           | Lutron "GP" Panel    |
| Lutron "Nova-T"         | Lutron Grafik Eye QS |
| Lutron "Maestro"        |                      |
| Lutron "Skylark"        |                      |

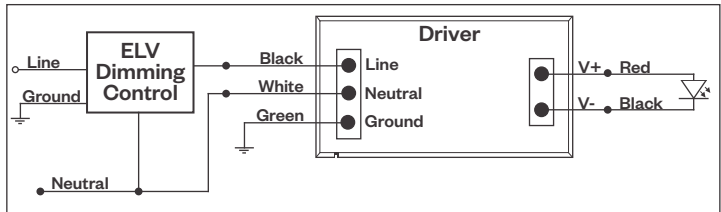
### ELV - Electronic Low Voltage (Reverse Phase) DIMMING (Standard)

Utilizes specialized "ELV" dimmers.

#### Notes:

- 120VAC or 277VAC\*
- Dims down to 5% light output (most cases)
- Consult Dimming manufacturer for installation instructions - **DO NOT SHARE NEUTRALS!**
- Must meet dimmer Minimum Load Requirements per dimming manufacturer

### ELV Wiring Diagram



#### Compatible Dimmers†:

| Wall Box (ELV 120VAC) | Wall Box (ELV 277VAC)     | Central System                               |
|-----------------------|---------------------------|----------------------------------------------|
| Lutron "Diva"         | Leviton Revoir II AWSMT-E | Lutron "GP" Panel with PHPM-PA 120/277VAC    |
| Lutron "Nova-T"       |                           | Lutron Grafik Eye QS with PHPM-PA 120/277VAC |
| Lutron "Maestro"      |                           |                                              |
| Lutron "Skylark"      |                           |                                              |
| Leviton "Surslide"    |                           |                                              |
| Leviton "Vizio"       |                           |                                              |

#### Notes:

\* Driver is 277VAC dimmable with appropriate dimmer (by others). All provided wiring diagrams show 120VAC wiring colors and method. Please refer to 277VAC dimmer installation instructions for 277VAC wiring diagrams.

† The absence of a dimmer from the lists above does not imply incompatibility. Please consult factory for compatibility inquiries.

# Hornet® HP

## Round Downlights, Dim-To-Warm



PROJECT:

TYPE:

### Dimming Compatibility *(continued)*

Amerlux® Hornet® fixtures are compatible with all major dimming protocols prevalent in the United States. Please see below for general compatibilities and wiring diagrams. Amerlux recommends testing your unique dimming configuration as the exact full configuration (Dimmer, Fixture Quantity, Voltage, etc) may affect dimming performance.

**--- NOTE: INFORMATION BELOW IS FOR WIRED DIMMERS ONLY. FOR WIRELESS DIMMERS, CONSULT FACTORY ---**

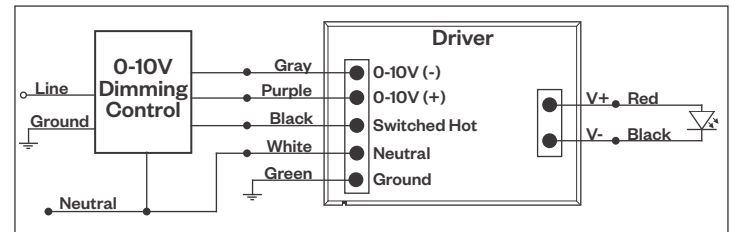
#### 0-10V DIMMING

Integrates into a variety of building management and daylighting controls

##### Notes:

- 120VAC or 277VAC\*
- Dims down to 1% light output
- Requires interface to turn off power to driver
- Consult Dimming manufacturer for installation instructions - **DO NOT SHARE NEUTRALS!**

#### 0-10V Wiring Diagram



##### Compatible Dimmers\*:

| Wall Box                | Central System                           |
|-------------------------|------------------------------------------|
| Lutron "Diva" - DVSTV   | Lutron Grafik Eye with GRX-TVI Interface |
| Leviton Renoir II 0-10V |                                          |

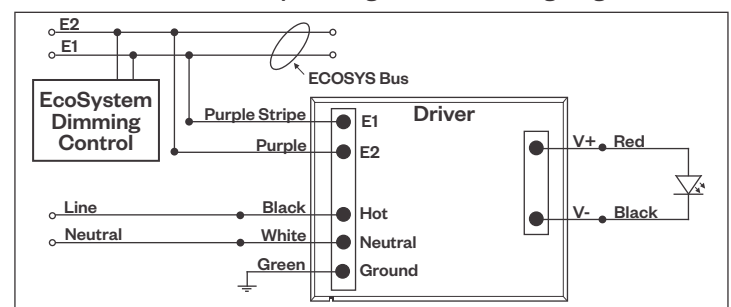
#### LUTRON LDE1 DIMMING

Integrates into Lutron EcoSystem building management

##### Notes:

- 120VAC or 277VAC\*
- Dims down to 1% light output
- EcoSystem Control
- Consult Dimming manufacturer for installation instructions - **DO NOT SHARE NEUTRALS!**

#### LDE1 (HILUME-H-ECO) EcoSystem Digital Control Wiring Diagram



##### Compatible Dimmers\*:

| Lutron ECO System       | Central System                       |
|-------------------------|--------------------------------------|
| Pow Pak Dimming Modules | Lutron EcoSystem compatible controls |
| Energj Savr Node        |                                      |
| Grafik Eye QS/Homeworks |                                      |
| QS Control Unit         |                                      |
| Quantum Hub             |                                      |
| Homeworks QS/My Room    |                                      |

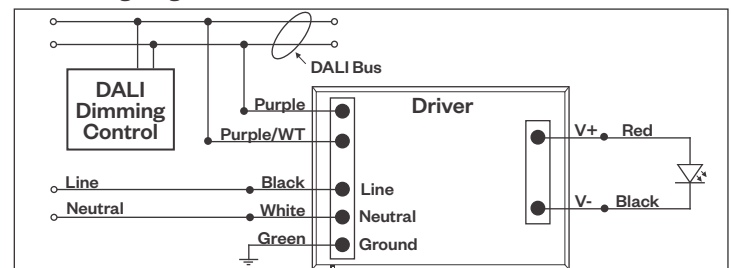
#### DALI DIMMING

Digital control protocol allows individual fixture control

##### Notes:

- 120VAC - 277VAC\*
- Dims down to 1% light output in most cases

#### DALI Wiring Diagram



##### Notes:

\* Driver is 277VAC dimmable with appropriate dimmer (by others). All provided wiring diagrams show 120VAC wiring colors and method. Please refer to 277VAC dimmer installation instructions for 277VAC wiring diagrams.

† The absence of a dimmer from the lists above does not imply incompatibility. Please consult factory for compatibility inquiries.

PROJECT:

TYPE:

## Emergency Battery Pack

### Wiring Diagram

