Hornet® HP
Square Downlights

Downlight

Adjustable
(Trimless version shown)

Adjustable
(Millwork version shown)

Pinhole Adjustable
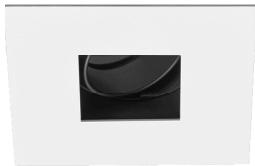
Pinhole Adjustable Shower

Features

Small in size but big on performance. The Hornet® downlights deliver the output of the 20W ceramic metal halide, but with the control and crisp color of the MR16 halogen. 3.5" round trim available as a fixed downlight, adjustable or pinhole adjustable aperture. Remodeler, Trimless and Millwork options available.

Product Overview

Type:	Recessed Square Downlight
Wattage:	13, 18, 20
Lumen Output:	1,305 max; 65 Lm/W (spot optic)
CBCP:	12,503 max (spot optic)
Color Temp:	2200K, 2700K, 3000K, 3500K, 4000K, CRISP
CRI:	83 typ. (2700K, 3000K, 3500K, 4000K) 90+ typ. (2200K, 2700K, 3000K, 3500K, 4000K) CrispWhite (18W max) & 3K Class A available
Dimming:	TRIAC & ELV (120/277VAC)- 5% Dim Lutron Hi-lume® H Series/EcoSystem - 1% dim with soft on, fade to black, 120/277VAC 0-10V (120/277VAC) - 1% Dim DALI (120/277VAC) - 1% Dim

PROJECT:
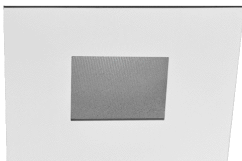
TYPE:

Fixture Type

Round/Square	New Construction	Remodeler	Trim	Trimless	Millwork
Yes	Yes	Yes	Yes	Yes	Yes

See separate spec sheet for Round trims

Performance Chart

Watts	Delivered Lumens	LPW	CBCP	Color Temp
13	848	65	8,127	3000K-83
18	1,175	65	11,253	3000K-83
20	1,305	65	12,503	3000K-83

Data is based on 3000K-83 IES files available on website
Data is based on Spot optic. See pg 6 for other beam spreads
All wattage and LPW includes 2W thermal protector

Electrical Data

	13W		18W		20W	
	System Watts	Amps	System Watts	Amps	System Watts	Amps
120V	13	0.11	18	0.15	20	0.17
277V	13	0.05	18	0.06	20	0.07

Electronic constant current LED driver

5 year limited warranty
AMERLUX LED

Title 24 Compliant

Hornet® HP

Square Downlights

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PROJECT: _____ **TYPE:** _____

Housing/Frame Ordering Information

_____ . _____ . _____ . _____ . _____ . _____

    1   **2**   **3**   **4**   **5**   **6**

1   Model
For New Construction
HDL-HP-S-NC-A17‡ (New Construction)
HDL-HP-S-CP-A17‡ (Chicago Plenum (CCEA) housing)
HDL-HP-S-IC-A17‡* (Insulated Ceiling/air tight, 13W & 18W only)
For Existing Ceilings
HDL-HP-S-REM-A17‡ (Remodeler)

2   Style
T - trimmed
TL - trimless
MWKᴿ - millwork (for 1/2" - 11/16" ceiling thickness)
MWK1ᴿ - millwork (for 3/4" - 1-1/2" ceiling thickness)
MWK2ᴿ - millwork (for 1-1/2" - 2" ceiling thickness)
ᴿ Not available for use with Remodeler model

3   Wattage
13*
18*
20 (not available for use with IC housing)

4   Voltage
120
277
120/277 (for use with IC housing only)

5   Driver (for non-dimming, select LE/TE option)
LE/TE* - TRIAC/ELV dimming
HILUME-H-ECO - Lutron Hi-lume® H Series, EcoSystem, 1% dim with soft on, fade to black
0-10V* - 0-10V dimming, 1% dim
DALI - DALI dimming, 1% dim

6   Options/Accessories
EM - emergency battery pack with remote test switch (not available for use with REM, CP or IC options)
HB49 - hanger bars from min 29" to max 49" (not available for use with REM options)

Trim Ordering Information

_____ . _____ . _____ . _____ . _____ . _____

    1   **2**   **3**   **4**   **5**   **6**

1   Model
HDL-HP-SD-A17‡ (downlight)
HDL-HP-SA-A17‡ (adjustable)
HDL-HP-SPA-A17‡ (pinhole adjustable)
HDL-HP-SPASHW-A17‡ (shower, not available in trimless)

2   Style
T - trimmed
TL - trimless (not for use with SPASHW trim)
MWK - millwork (not available for use with SPASHW trim)

3   Finish - SD/SA Trims:
Trimmed
MBW - matte black, white flange
MWW - matte white, white flange
SLVW - matte silver, white flange
MBB - matte black, black flange
SLVS - matte silver, silver flange

Trimless/Millwork
MB - matte black
MW - matte white
SLV - matte silver

Finish - SPA/SPASHW Trims (Trimmed, Trimless or Millwork):
MB - matte black
MW - matte white
SLV - matte silver
PC‡ - polished chrome
BN‡ - brushed nickel
‡ Consult factory for availability with SPASHW trim, not available for use with MWK

4   Beam Spreads

SD/SA	SPA/SPASHW
SP*	**SP***
NF*	**NF***
MFL*	**MFL***
FL*	**FL***
WF*	
VWF*	
LS	

SP- spot 15º, **NF**- narrow flood 22º, **MFL**- medium flood 25º, **FL**- flood 28º, **WF**- wide flood 45º, **VWF**- very wide flood 60º, **LS**- linear spread lens 60º x 10º

5   Color Temp

83 CRI	90+ CRI	
27 - 2700K-83	**229** - 2200K-90+	**CRISP** - CrispWhite
30 - 3000K-83	**279*** - 2700K-90+	(18W max)
35 - 3500K-83	**309*** - 3000K-90+	**3CLA** - 3K Class A
40 - 4000K-83	**359** - 3500K-90+	
	409 - 4000K-90+	

6   Options/Accessories
HEX - hexcell louver (not available for use with SPASHW trim)
SOL - solite beam softening lens (comes standard with SPASHW trim)

* Title 24 Compliant
‡ The "A" refers to the sequential revision in a year and "XX" refers to the year of update. Updates coincide with improved performance while not changing the overall fixture aesthetic and are reflected in the published performance data. Please contact your Amerlux representative for explanations of changes.

Hornet® HP

Square Downlights

PROJECT: **TYPE:**

Specifications

Application

Retail 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

Tilt: 0-30º (RA/RPAS trims), 0-20º (RPA/RPASHW trims)

Beam spreads: Spot, 15º; Narrow Flood, 22º; Medium Flood, 25º; Flood, 28º; Wide Flood, 45º; Very Wide Flood, 60º; Linear Spread, 60º x 10º

LED

Color Temp Options: 2200K, 2700K, 3000K, 3500K, 4000K

CRI: 83 typ. (2700K, 3000K, 3500K, 4000K)

90+ typ. (2200K, 2700K, 3000K, 3500K, 4000K)

CrispWhite* LED available, 18W max

Class A** 3000K (high CRI, high gamut)

R9 Values: 11 (83 CRI), 55 (92 CRI)

Binning: 3 MacAdam (SDCM)

Life: 50,000+ hrs, > 70% of initial lumens at 50,000 hrs

*CrispWhite: CrispWhite Technology delivers the warmth of colors expected from a high 90 CRI solution but also creates the natural crisp white color that is pleasing to the eye. It creates the most impactful lighting ever available, by revealing the richest whites and vibrant colors that pop.

**Class A LED: Class A LED's have a CRI > 80 and a GAI > 80. CRI defines color "Naturalness" and GAI defines color "Saturation." Both being high delivers rich colors and pure whites.

Electrical

Wattage: 13, 18, 20

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/Trailing Edge, ELV, reverse phase

0-10V, Lutron and DALI systems also available

See pages 11-13 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, 13W & 18W only)

Title 24 Compliant (see ordering page for options that apply)

Damp location
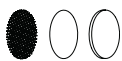
Wet location (RPASHW trim only)

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/AT versions)

Accessories (diagrams show installation order)

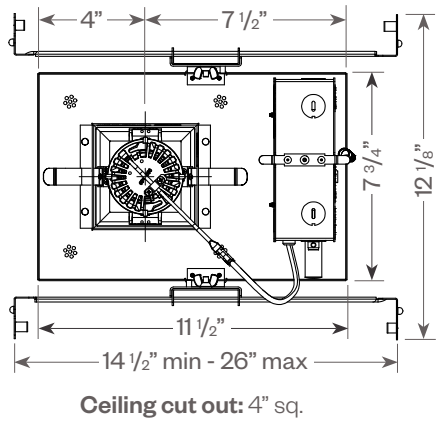

Hexcell, optical film, solite lens
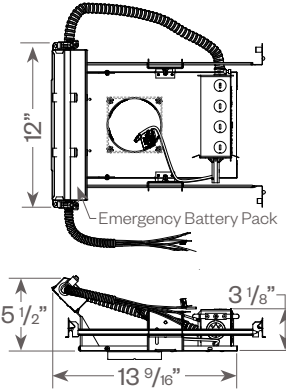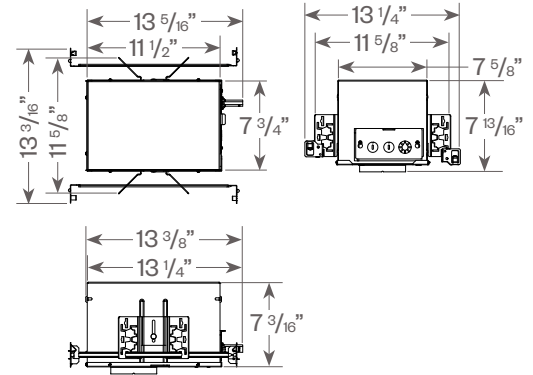
Hornet® HP

Square Downlights

PROJECT: **TYPE:**

Hornet HP Square Downlights:

4"   7 1/2"

7 3/4"   12 1/8"

11 1/2"

14 1/2" min - 26" max

Ceiling cut out: 4" sq.

Frame with Emergency Battery Pack

12"

Emergency Battery Pack

5 1/2"   3 1/8"

13 9/16"

Optional CP or IC/AT housing
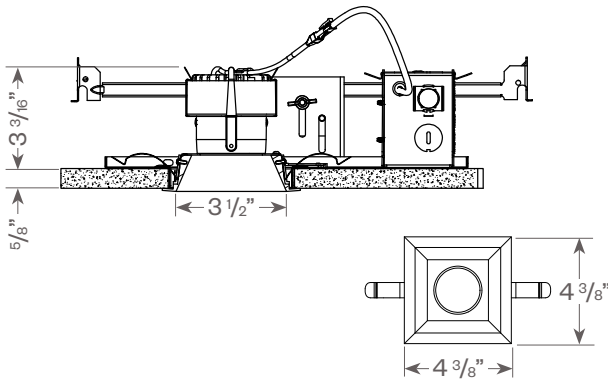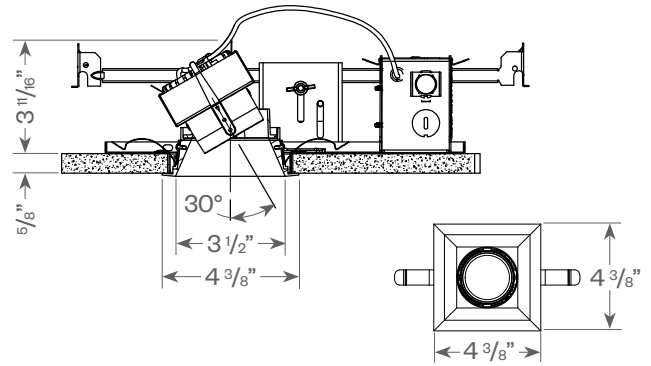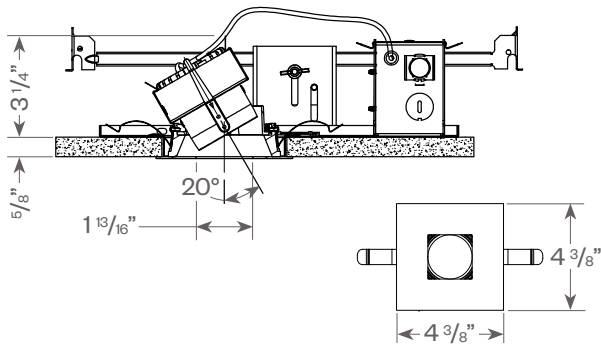
13 5/16"   13 1/4"
11 1/2"   11 5/8"   7 5/8"

13 3/16"   11 5/8"   7 3/4"   7 13/16"

13 3/8"
13 1/4"   7 3/16"

Downlight

3 3/16"
5/8"
3 1/2"

4 3/8"
4 3/8"

Adjustable

3 11/16"
5/8"
30°
3 1/2"
4 3/8"

4 3/8"
4 3/8"

Pinhole Adjustable

3 1/4"
5/8"
20°
1 13/16"

4 3/8"
4 3/8"

Pinhole Adjustable Shower

3 1/4"
5/8"
20°
1 13/16"

4 3/8"
4 3/8"

Hornet® HP
Square Downlights

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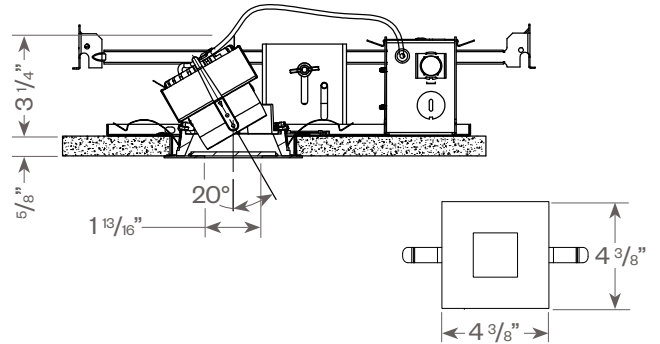
PROJECT: **TYPE:**

Hornet HP Square Downlight:

Trimless
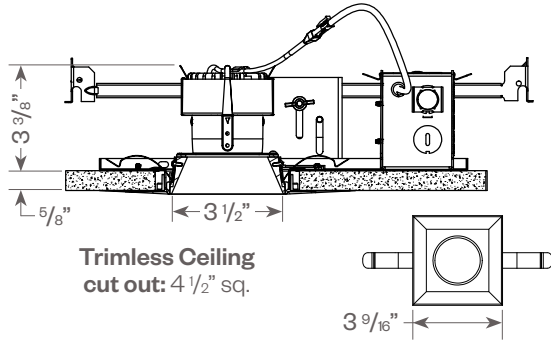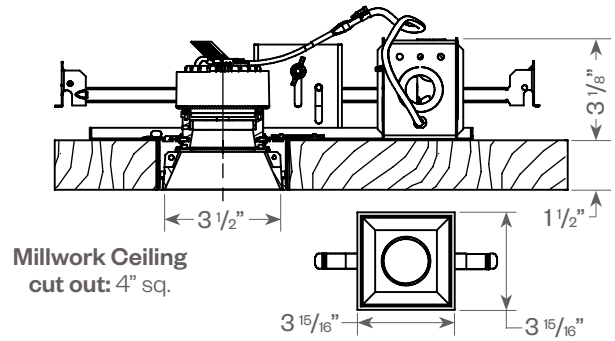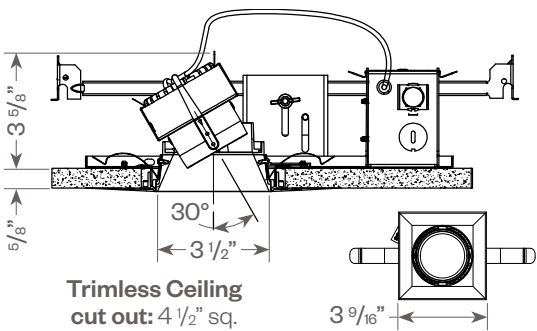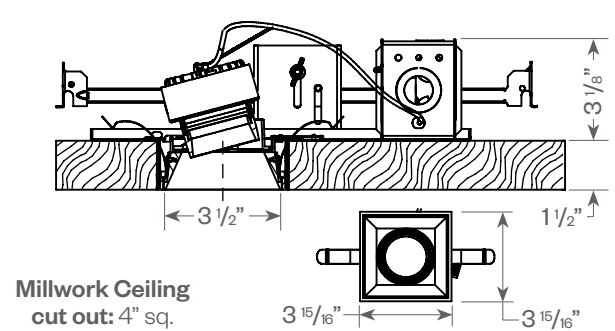
Trimless Ceiling cut out: 4 1/2" sq.

3 3/8" 5/8" 3 1/2" 3 9/16"

Millwork

Millwork Ceiling cut out: 4" sq.

3 1/8" 3 1/2" 1 1/2" 3 15/16" 3 15/16"

Hornet HP Square Adjustable:

Trimless

Trimless Ceiling cut out: 4 1/2" sq.

3 5/8" 5/8" 30° 3 1/2" 3 9/16"

Millwork

Millwork Ceiling cut out: 4" sq.

3 1/8" 3 1/2" 1 1/2" 3 15/16" 3 15/16"

Hornet HP Square Pinhole Adjustable:

Trimless

Trimless Ceiling cut out: 4 1/2" sq.

3 1/4" 5/8" 20° 1 13/16" 1 13/16" 3 5/8"

Millwork

Millwork Ceiling cut out: 4" sq.

3 1/8" 1 13/16" 3 1/2" 1 1/2" 1 13/16" 3 15/16"
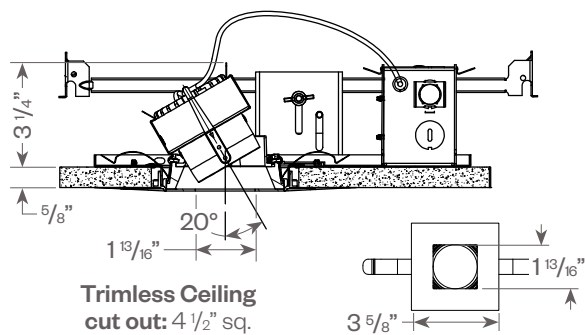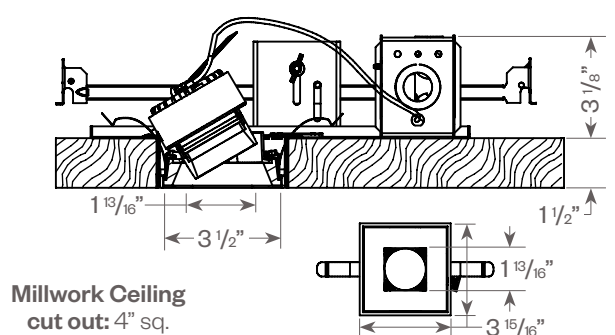
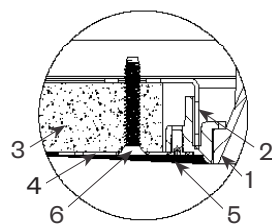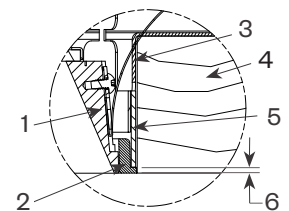## Plaster Frame Installation Detail (for trimless fixture only)

1. Reflector Trim
2. Aperture plate
3. Ceiling ⅝"
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)
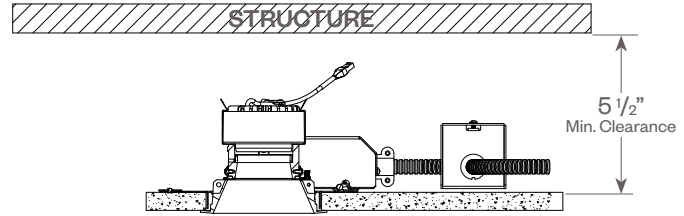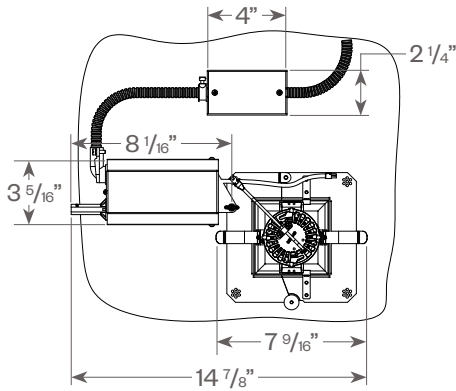6. 1/16" required for trim to be flush with ceiling
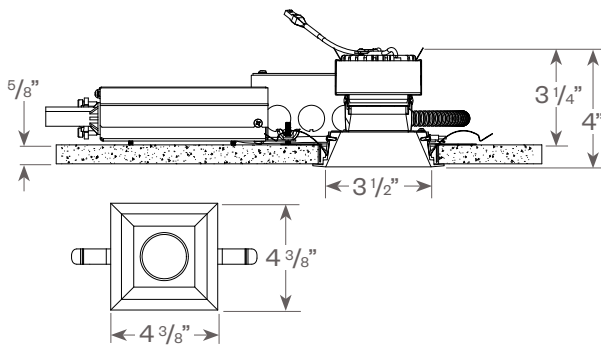
Hornet® HP

Square Downlights

PROJECT: **TYPE:**
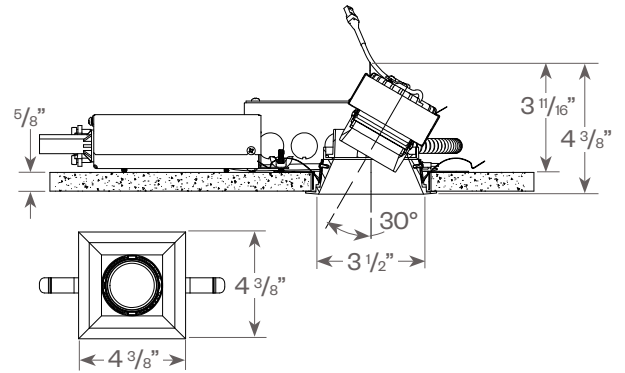
Hornet HP Square Downlights - Remodeler:

4"

2 1/4"

8 1/16"

3 5/16"

7 9/16"

14 7/8"

STRUCTURE

5 1/2"
Min. Clearance

Ceiling cut out: 4" sq.

Downlight

5/8"

3 1/4"

4"

3 1/2"

4 3/8"

4 3/8"

Adjustable

5/8"

3 11/16"

4 3/8"

30°

3 1/2"

4 3/8"

4 3/8"

Pinhole Adjustable

5/8"

3 3/16"

4"

20°

1 13/16"

4 3/8"

4 3/8"

Pinhole Adjustable Shower

5/8"

3 3/16"

4"

20°

1 13/16"

4 3/8"

4 3/8"
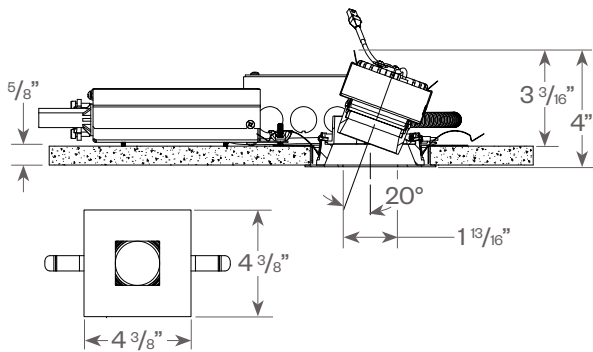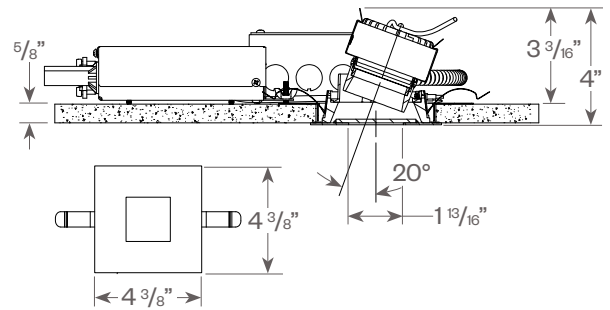
Hornet® HP
Square Downlights

PROJECT: **TYPE:**

Hornet HP Downlight: Remodeler Trimless

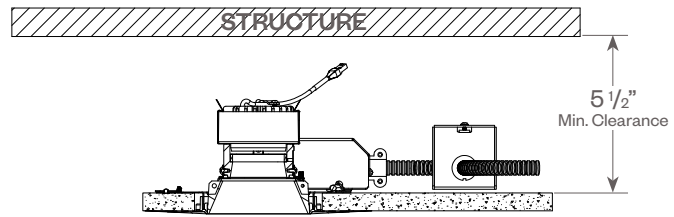
4"
2 1/4"
8 1/16"
3 5/16"
7 9/16"
14 7/8"

STRUCTURE

5 1/2"
Min. Clearance
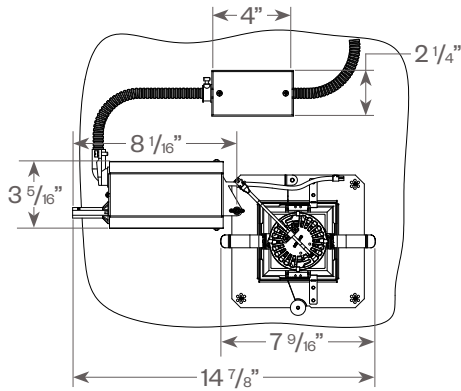
Ceiling cut out: 4 1/2" sq.

Downlight
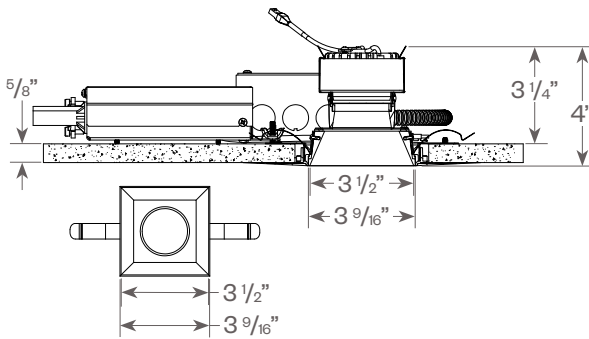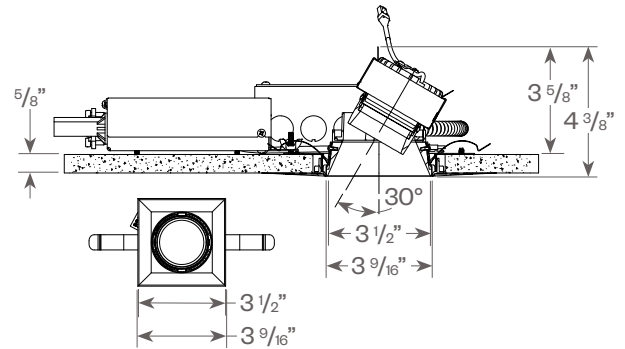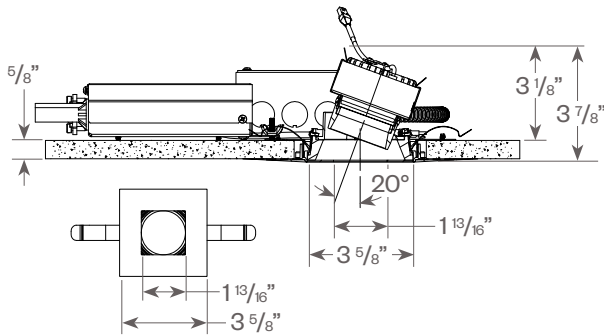
5/8"
3 1/4"
4"
3 1/2"
3 9/16"
3 1/2"
3 9/16"

Adjustable

5/8"
3 5/8"
4 3/8"
30°
3 1/2"
3 9/16"
3 1/2"
3 9/16"

Pinhole Adjustable

5/8"
3 1/8"
3 7/8"
20°
1 13/16"
3 5/8"
1 13/16"
3 5/8"

Plaster Frame Installation Detail (for trimless fixture only)

1. Reflector Trim
2. Aperture plate
3. Ceiling ⅝"
4. Cast Aluminum Plaster Frame
5. Plaster Skim Coat (by others)
6. 6-32 Type F Thread Cutting Screw

3
2
4
1
6
5

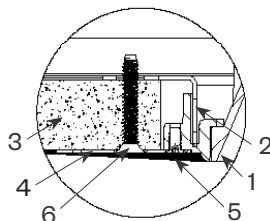# Hornet® HP

Square Downlights

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PROJECT: **TYPE:**

Hornet HP Square Downlight:

FIXTURE DATA: (Complete photometric data (.ies format) available upon request)

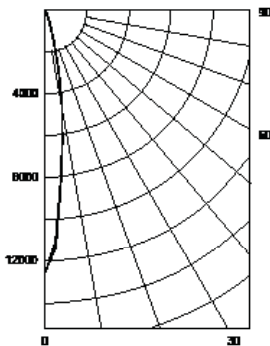**MULTIPLYING FACTORS:** (Multiplying Factor is based on 3000K-83 120V IES file on website)

Wattage:	13W	18W	20W
Factor:	0.65	0.90	1.0

CCT:	2700K-83	3000K-83	3500K-83	4000K-83
Factor:	0.96	1.0	1.02	1.04

CCT:	2200K-90+	2700K-90+	3000K-90+	3500K-90+	4000K-90+	CRISP	3CLA
Factor:	0.71	0.80	0.83	0.87	0.90	0.65	0.75

20W LED, 3000K-83

Spot (SP) Distribution, 15º
LTL #818202
Lumens: 1,305

Candelas at Nadir

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

Narrow Flood (NF) Distribution, 22º
LTL#818203
Lumens: 1,216
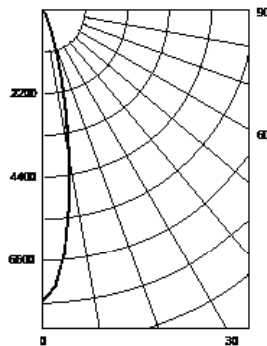
Candelas at Nadir

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

Flood (FL) Distribution, 28º
LTL # 818205
Lumens: 1,170
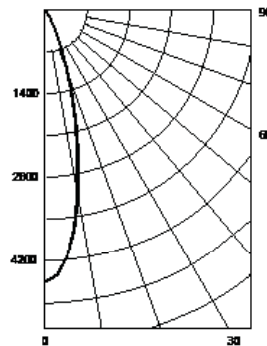
Candelas at Nadir

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

Wide Flood (WF) Distribution, 45º
LTL # 818206
Lumens: 1,166
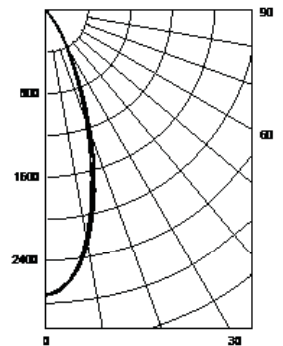
Candelas at Nadir

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

Application Data:

0º 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

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.

Hornet® HP

Square Downlights

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PROJECT: **TYPE:**

Hornet HP Square Adjustable:

FIXTURE DATA: (Complete photometric data (.ies format) available upon request)

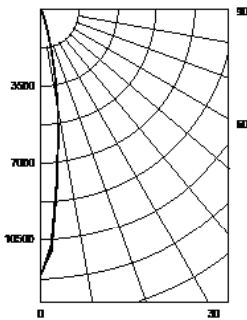**MULTIPLYING FACTORS:** (Multiplying Factor is based on 3000K-83 120V IES file on website)

Wattage:	13W	18W	20W
Factor:	0.65	0.90	1.0

CCT:	2700K-83	3000K-83	3500K-83	4000K-83
Factor:	0.96	1.0	1.02	1.04

CCT:	2200K-90+	2700K-90+	3000K-90+	3500K-90+	4000K-90+	CRISP	3CLA
Factor:	0.71	0.80	0.83	0.87	0.90	0.65	0.75

20W LED, 3000K-83

Spot (SP) Distribution, 15º
LTL #818193
Lumens: 1,300

Candelas at Nadir

Deg	Candela
0	12031
5	7996
15	1673
25	203
35	40
45	3

Narrow Flood (NF) Distribution, 22º
LTL#818194
Lumens: 1,239
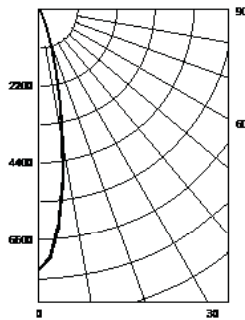
Candelas at Nadir

Deg	Candela
0	7431
5	6154
15	1767
25	279
35	53
45	5

Flood (FL) Distribution, 28º
LTL # 818196
Lumens: 1,160
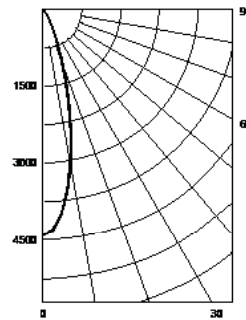
Candelas at Nadir

Deg	Candela
0	4396
5	3992
15	1958
25	503
35	86
45	6

Wide Flood (WF) Distribution, 45º
LTL # 818238
Lumens: 1,156
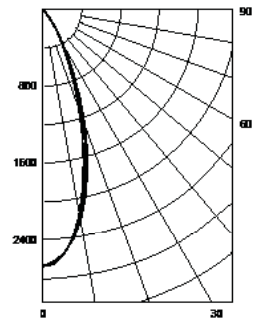
Candelas at Nadir

Deg	Candela
0	2669
5	2537
15	1759
25	763
35	177
45	9

Application Data:

0º Aiming Angle Horizontal Footcandles

Spot

D	FC	L	W
5.0'	281	1.9	1.9
7.5'	156	2.6	2.6
10.0'	98	3.2	3.2
12.5'	66	3.7	3.7

Narrow Flood

D	FC	L	W
5.0'	215	2.2	2.2
7.5'	112	3.0	3.0
10.0'	67	3.7	3.8
12.5'	44	4.6	4.7

Flood

D	FC	L	W
5.0'	151	2.6	2.6
7.5'	73	3.6	3.5
10.0'	43	4.8	4.7
12.5'	28	5.9	5.8

Wide Flood

D	FC	L	W
5.0'	95	3.3	3.3
7.5'	45	4.9	4.6
10.0'	26	6.4	6.0
12.5'	17	7.9	7.4

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.

Hornet® HP

Square Downlights

amerlux
A Delta Group Company

PROJECT: **TYPE:**

Hornet HP Square Pinhole Adjustable:

FIXTURE DATA: (Complete photometric data (.ies format) available upon request)

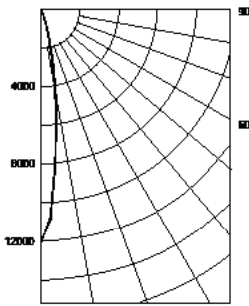**MULTIPLYING FACTORS:** (Multiplying Factor is based on 3000K-83 120V IES file on website)

Wattage:	13W	18W	20W
Factor:	0.65	0.90	1.0

CCT:	2700K-83	3000K-83	3500K-83	4000K-83
Factor:	0.96	1.0	1.02	1.04

CCT:	2200K-90+	2700K-90+	3000K-90+	3500K-90+	4000K-90+	CRISP	3CLA
Factor:	0.71	0.80	0.83	0.87	0.90	0.65	0.75

20W LED, 3000K-83

Spot (SP) Distribution, 15°
LTL #818198
Lumens: 1,181

Candelas at Nadir

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

Narrow Flood (NF) Distribution, 22°
LTL#818199
Lumens: 1,070
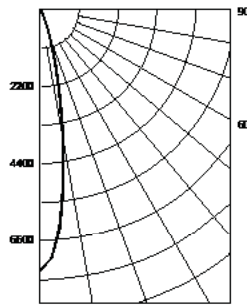
Candelas at Nadir

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

Medium Flood (MFL) Distribution, 25°
LTL # 818200
Lumens: 1,010
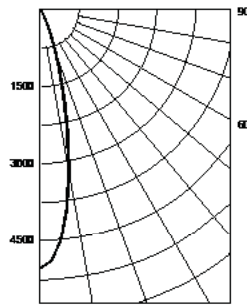
Candelas at Nadir

Deg	Candela
0	5022
5	4486
15	1651
25	210
35	12
45	0

Flood (FL) Distribution, 28°
LTL # 818201
Lumens: 958
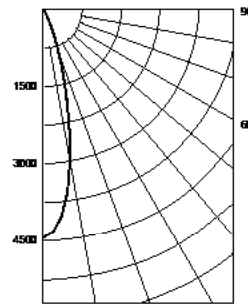
Candelas at Nadir

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

Application Data:

0° Aiming Angle Horizontal Footcandles

Spot

D	FC	L	W
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

D	FC	L	W
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

Flood

D	FC	L	W
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

Wide Flood

D	FC	L	W
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
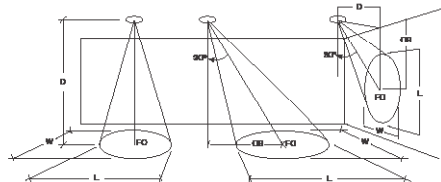
Notes and Definitions:

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.

Hornet® HP
Square Downlights

amerlux
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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 ---
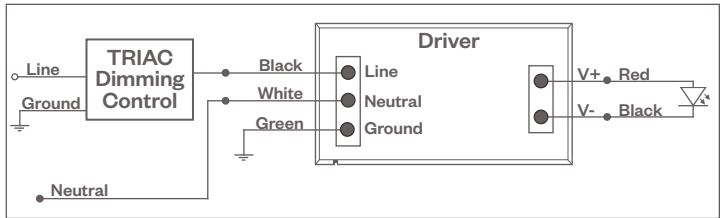
TRIAC (Forward Phase) DIMMING (Standard)

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†:

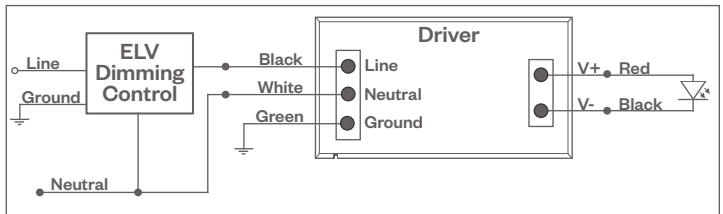| Wall Box (TRIAC 120VAC)	Central System
Lutron "Diva"	Lutron "GP" Panel
Lutron "Nova-T"	Lutron Grafik Eye QS
Lutron "Maestro"	
Lutron "Vareo"	
Lutron "Skylark"	

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

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 "Vareo"		
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 manufacturer 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
Square Downlights

amerlux
A Delta Group Company

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 ---
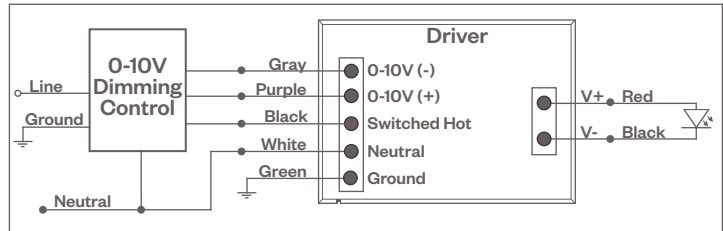
0-10V DIMMING
Integrates into a variety of building management and daylighting controls

0-10V Wiring Diagram

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!

Compatible Dimmers†:

| Wall Box		Central System
Lutron "Diva" - DVTV with PP-120H Interface	Leviton Renoir II 0-10V	Lutron Grafik Eye with GRX-TVI Interface

LUTRON H-SERIES / ECOSYSTEM DIMMING
Integrates into Lutron EcoSystem building management

HILUME-H-ECO, HILUME-5-ECO
EcoSystem Digital Control Wiring Diagram

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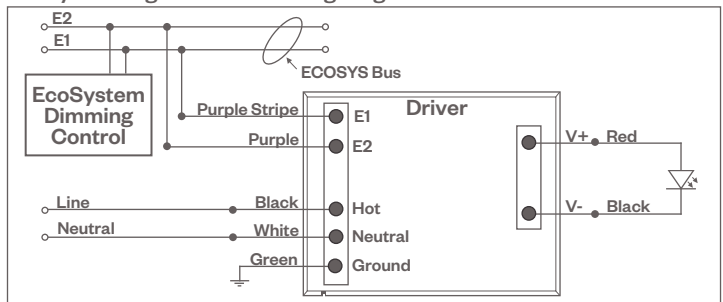
Compatible Dimmers†:

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

DALI DIMMING
Digital control protocol allows individual fixture control

DALI Wiring Diagram

Notes:
- 120VAC - 277VAC*
- Dims down to 1% light output in most cases
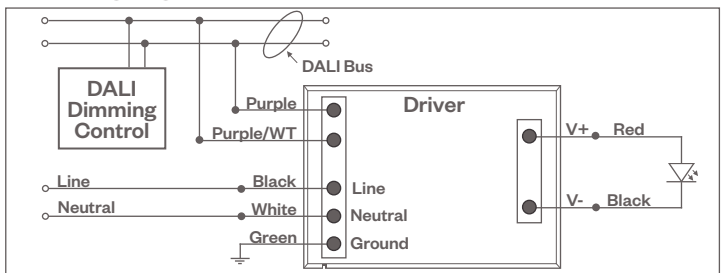
Compatible Dimmers†:

Wall Box (3-Wire Fluorescent)	Central System
Leviton CD250 Controller	Dynalite
	Fifth Light

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 manufacturer 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

Square Downlights

PROJECT: **TYPE:**

EMERGENCY DIMMING (-EM OPTION)

Wiring Diagram