

# HORNET® HIGH POWER

## SEMI-RECESSED TRIMLESS MULTIPLE 3 LIGHT LED

HORNET-HP-  
SRTLX-A14-3  
3LT LED



### APPLICATION:

Accent and display lighting for retail, commercial and hospitality environments

### CONSTRUCTION:

Stamped steel mounting frame with integral mounting bars  
Steel plaster frame  
Thermally protected  
Steel driver housing  
Extruded aluminum upper housing with knife-edge and mitered/welded corners  
Complete die-cast optical head construction  
No exposed wiring  
Powder coat paint

### MOUNTING:

For use in sheet rock ceilings, max thickness 1"

### LABELING:

pending approval to UL standards as tested by CSA  
For indoor use only

### OPTICS:

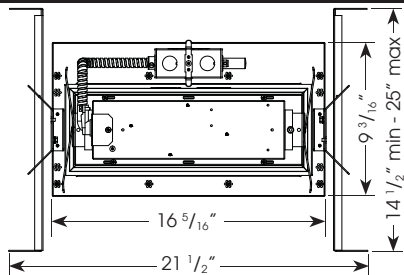
0-45° x 45° tilt, 360°+ rotation  
Available in a variety of beam spreads  
LED:  
Color Temp Options: 2200K, 2700K, 3000K, 3500K, 4000K  
CRI: 83 typ. (2700K, 3000K, 3500K, 4000K)  
90+ typ. (2200K, 2700K, 3000K)  
CrispWhite LED available (16w max)  
R9 Values: 11 (83CRI), 55 (90+CRI)  
Life: 50,000 hrs  
Binning: 3 MacAdam  
Lumen Output (18w, 3000K): SP 1369 lm (75 lm/w)  
CBCP (18w, 3000K): SP 12,215

### ELECTRICAL:

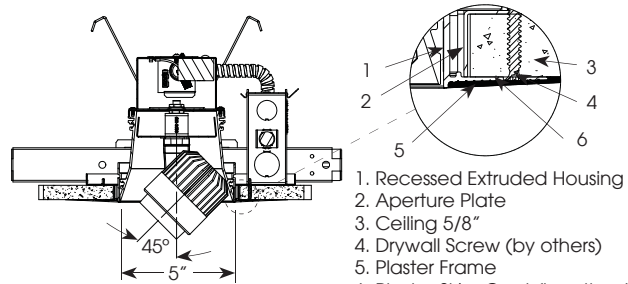
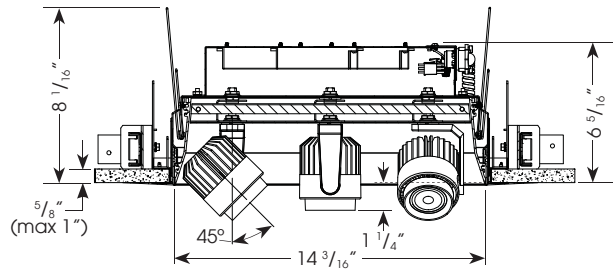
Electronic constant current LED driver, 120v or 277v input  
ELV and Triac dimming standard, 120v and 277v,  
0-10v and Lutron systems also available. See following pages for more information.  
**This product complies with IEEE C62.41 for surge endurance up to 2.5KV. Amerlux® recommends using additional surge protection with this unit (supplied by others), surge damage is not covered by warranty.**

### PROJECT:

TYPE:



Ceiling Cut Out Dimension: 5 9/16" x 14 13/16"



1. Recessed Extruded Housing
2. Aperture Plate
3. Ceiling 5/8"
4. Drywall Screw (by others)
5. Plaster Frame
6. Plaster Skim Coat (by others)

Electrostatic sensitive device, observe precautions for handling



**5** year limited warranty  
AMERLUX LED  
(see website for details)

### ELECTRICAL

Electronic driver

	3x11w		3x16w		3x18w	
	System	Watts	System	Watts	System	Watts
120v	33	0.28	48	0.40	54	0.45
277v	33	0.12	48	0.17	54	0.19

### ORDERING INFORMATION:

FRAME Model	# Heads	Lamp Type	Voltage	Options/Accessories
HORNET-HP-R/SRTLX-FRAME	3	LED	120 277	HILUME - Lutron Hi-lume® dimming driver 0-10V - 0-10v dimming CP - Chicago plenum EM** - emergency battery pack (1 head)

Complete Unit Specification:  
HORNET-HP-R/SRTLX-FRAME-3-LED-120/  
HORNET-HP-SRTLX-TRIM-A14-3-16-LED-WT-120-277-FL-FL-30  
Frame Only: HORNET-HP-R/SRTLX-FRAME-3-LED-120  
Trim Only: HORNET-HP-SRTLX-TRIM-A14-3-18-LED-WT-120-277-FL-FL-30

TRIM Model	# Heads	Wattage	Lamp Type	Housing/Head Finish	Voltage	Beam Spreads* Head 1 Head 2 Head 3	Color Temp (CCT(K)-CRI)	Options/Accessories		
HORNET-HP-SRTLX-TRIM-A14	3	11	LED	WT - white	120-277	SP	27 - 2700-83	SNAH - snoot accessory holder, 1" length, matte black interior, specify exterior color (WT, BT, ST), accepts cross blade plus 2 additional forms of media AH - accessory holder, specify finish (WT, BT, ST), accepts 2 forms of media CB - cross blade, matte black finish, requires snoot HEX - hexcell louver (1/8" x 1/8"), requires SNAH or AH SOL - solite beam softening lens, requires SNAH or AH HILUME - Lutron Hi-lume® dimming driver 0-10V - 0-10v dimming CP - Chicago plenum EM** - emergency battery pack (1 head)		
		16		BT - black		NF	NF		NF	30 - 3000-83
		18		MFL		MFL	MFL		35 - 3500-83	
			FL	FL	FL	40 - 4000-83				
			WF	WF	WF	229 - 2200-90+				
			VWF	VWF	VWF	279 - 2700-90+				
			LS	LS	LS	309 - 3000-90+				
						CRISP - CrispWhite (16W max)				

\*\*EM is not for CP option

\*SP - spot 15°, NF - narrow flood 22°, MFL - medium flood 25°, FL - flood 28°, WF - wide flood 45°, VWF - very wide flood 60°, LS - linear spread 60°x10°

Cat #:

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



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3LT LED



TYPE:

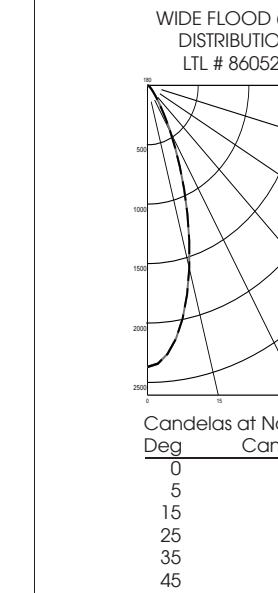
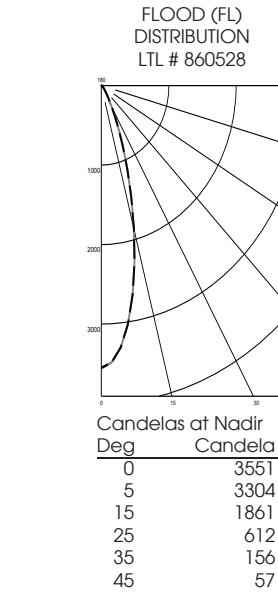
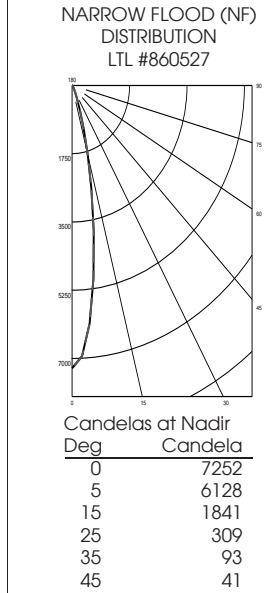
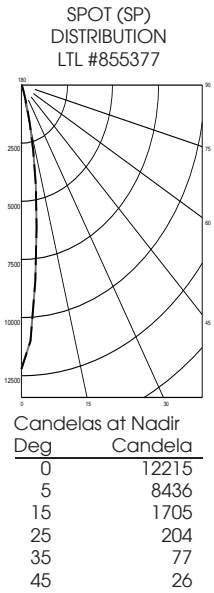


**FIXTURE DATA:** For 11w data, multiply by 0.71; For 16w data, multiply by 0.88

Complete photometric data (ies format) available upon request.

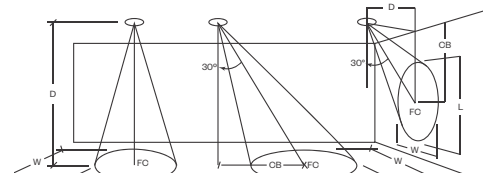
Note: Data per head

### 18W LED



### 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				30° Aiming Angle Horizontal Footcandles					30° Aiming Angle Vertical Footcandles					60° Aiming Angle Vertical Footcandles				
	D	FC	L	W	D	FC	L	W	CB	D	FC	L	W	CB	D	FC	L	W	CB
SPOT	5.0'	484	1.4	1.4	5.0'	313	1.8	1.5	3.0	3.0'	178	3.0	1.6	5.0	3.0'	630	1.6	1.1	2.0
	7.5'	216	2.0	2.0	7.5'	136	2.8	2.4	4.0	4.0'	105	3.8	2.1	6.0	4.0'	450	1.6	1.3	2.0
	10.0'	122	2.7	2.7	10.0'	76	3.7	3.2	6.0	5.0'	67	4.8	2.7	8.0	5.0'	298	2.0	1.6	3.0
	12.5'	78	3.4	3.4	12.5'	46	4.8	4.2	7.0	6.0'	47	5.9	3.2	9.0	6.0'	200	2.4	1.9	3.0
NARROW FLOOD	5.0'	289	1.7	1.7	5.0'	187	2.4	2.1	3.0	3.0'	127	3.3	1.8	4.0	3.0'	422	1.9	1.3	2.0
	7.5'	129	2.8	2.8	7.5'	86	3.5	3.1	4.0	4.0'	70	4.4	2.7	6.0	4.0'	298	1.9	1.5	2.0
	10.0'	73	3.6	3.6	10.0'	47	4.7	4.1	5.0	5.0'	47	5.3	3.2	7.0	5.0'	181	2.5	2.1	3.0
	12.5'	47	4.5	4.5	12.5'	31	5.8	5.2	7.0	6.0'	32	6.7	3.9	8.0	6.0'	133	2.8	2.5	3.0
FLOOD	5.0'	142	2.7	2.7	5.0'	92	3.4	3.1	3.0	3.0'	75	3.8	2.7	4.0	3.0'	232	2.3	1.7	2.0
	7.5'	63	3.9	3.9	7.5'	43	4.9	4.4	4.0	4.0'	44	4.9	3.3	5.0	4.0'	154	2.7	2.4	2.0
	10.0'	36	5.2	5.2	10.0'	25	6.4	5.8	5.0	5.0'	29	6.1	4.1	6.0	5.0'	95	3.4	3.0	2.0
	12.5'	23	6.5	6.5	12.5'	16	8.0	7.2	6.0	6.0'	20	7.4	5.1	7.0	6.0'	69	3.8	3.5	3.0
WIDE FLOOD	5.0'	95	3.2	3.2	5.0'	67	3.9	3.4	2.0	3.0'	63	3.7	2.8	3.0	3.0'	180	2.4	2.0	1.0
	7.5'	42	4.8	4.8	7.5'	30	5.7	5.3	3.0	4.0'	36	4.9	3.7	4.0	4.0'	105	3.2	2.9	2.0
	10.0'	24	6.4	6.4	10.0'	17	7.6	7.1	4.0	5.0'	23	6.1	4.8	5.0	5.0'	69	3.8	3.5	2.0
	12.5'	15	8.0	8.0	12.5'	11	9.6	8.9	5.0	6.0'	16	7.5	5.7	6.0	6.0'	47	4.7	4.3	3.0

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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.

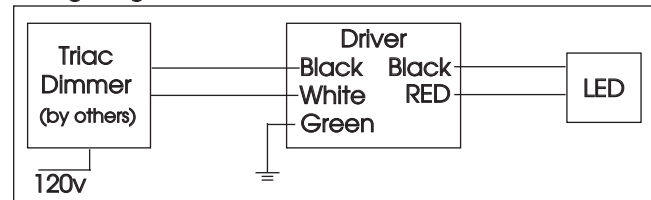
### TRIAC (Forward Phase) DIMMING (standard)

Utilizes "Standard" incandescent dimmers that are in wide use in installations across the US. Best for retrofit applications where Triac dimmers are installed.

#### Notes:

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

#### Wiring Diagram



#### Compatible Dimmers

##### Wall Box (Incandescent Style, Wattage as required)

Lutron "Diva"	Lutron "Vareo"
Lutron "Nova-T"	Lutron "Skylark"
Lutron "Maestro"	

##### Central System

ETC "SR" Rack w/D20 Module	ETC "DRD" Rack w/D20 Module
Lutron "GP" Panel	Lutron Grafix Eye QS

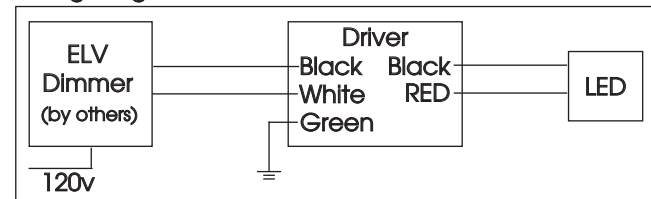
### ELV - Electronic Low Voltage (Reverse Phase) DIMMING (standard)

Utilizes specialized "ELV" dimmers. Best for New Construction applications

#### Notes:

- 120v and 277v
- Dims down to less than 5% light output (most cases)
- Consult Dimming manufacturer for installation instructions - DO NOT SHARE NEUTRALS!
- Must meet dimmer Minimum Load Requirements

#### Wiring Diagram



#### Compatible Dimmers

##### Wall Box (ELV Style)

Lutron "Diva"	Lutron "Vareo"
Lutron "Nova-T"	Lutron "Skylark"
Lutron "Maestro"	
Leviton "Surslide"	Leviton "Vizio"

##### Central System

ETC "SR" Rack w/ELV10 Module	ETC "DRD" Rack w/ELV10 Module
Lutron "GP" Panel with PHPM-PA Interface	Lutron Grafix Eye QS with PHPM-PA Interface

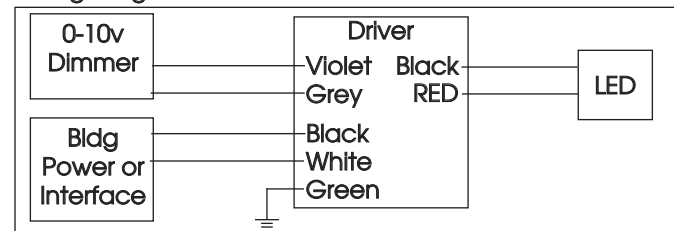
### 0-10V - DIMMING (-0-10V Option)

Integrates into a variety of building management and daylighting controls

#### Notes:

- 120v - 277v
- Dims down to less than 10% light output
- Requires interface to turn off power to driver
- Consult Dimming manufacturer for installation instructions - DO NOT SHARE NEUTRALS!

#### Wiring Diagram



#### Compatible Dimmers

##### Wall Box

Lutron "Diva" - DVTV with PP-120H Interface	Leviton Renoir II 0-10v
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##### Central System

Lutron Grafix Eye with GRX-TVI Interface
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## LUTRON HI-LUME / ECO-SYSTEM (-HILUME Option)

Integrates into a variety of building management and daylighting controls

### Notes:

- 120v or 277v
- Dims down to less than 5% light output
- May use 3-Wire or Ecosystem Control
- Consult Dimming manufacturer for installation instructions - DO NOT SHARE NEUTRALS!

### Compatible Dimmers

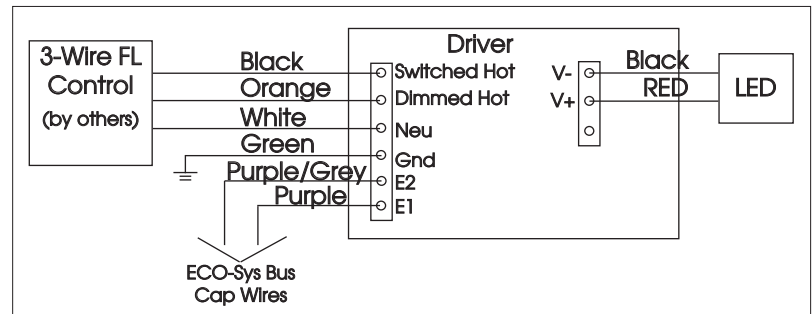
#### Wall Box (3-Wire Fluorescent)

DIVA  
Maestro  
Nova T  
Vareo

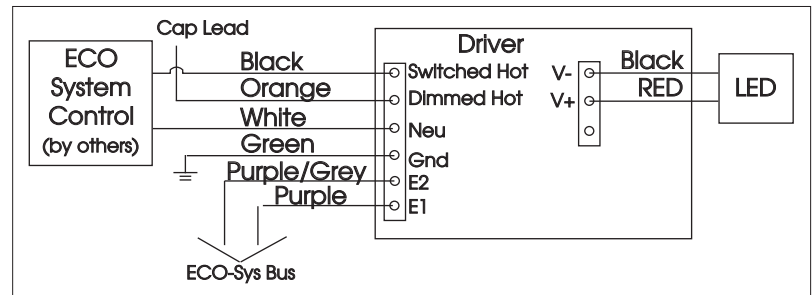
#### Central System

Lutron ECO-System compatible controls  
ETC "SR" Rack w/D20F Module  
ETC "DRD" Rack w/D20F Module

### 3-Wire Wiring Diagram



### ECO System Digital Control Wiring



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TYPE:



ENERGY STAR APPROVED MODEL NUMBERS:



## Certificate of Conformance

### Energy Efficiency Certification

UL conducted an independent evaluation on behalf of:

#### Amerlux Global Lighting Solutions

178 Bauer Dr., Oakland, NJ 07436

for the following products:

Indoor Directional Luminaire

Brand: Amerlux

Model Name: Hornet

Model Numbers: See Appendix A

This product meets all of the necessary  
qualifications pursuant to:

ENERGY STAR® Program Requirements for  
Luminaires, Version 2.0



### Energy Verified

2016-11-01

Certification Date

N/A

Certification Revision Date

Issued by

11470949

UL Product Number

00-VS-F0418, Version 2.0, This is to certify that representative samples of the Certified Product(s) listed above have been investigated by UL to the Standard(s) indicated on this certificate, in accordance with the UL Global Services Agreement and the EEC Terms & Conditions ("Agreement"). The Certificate Holder is entitled to use the UL Energy Verified Mark for the Certified Product(s) listed on the certificate and manufactured at the production site(s) covered by the UL Test Report, in accordance with the terms of the Agreement. This Certificate shall remain valid unless a Standard identified on this Certificate is amended or withdrawn prior to that date or there is a non-compliance with the Agreement.

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HORNET-HP-SRTLX-A14-3  
3LT LED



TYPE:



ENERGY STAR APPROVED MODEL NUMBERS:



Appendix A

Model Number	Additional Model Number	Additional Model Number
HORNET-HP-R/SRTLX-FRAME- #-###-/HORNET-HP-SRTLX- TRIM-A14-#-11-LED-**-**#-###-**- 2700-92	HORNET-HP-R/SRTLX-FRAME-#- ###-/HORNET-HP-SRTLX-TRIM- A14-#-11-LED-**-**#-###-**-3000- 92	HORNET-HP-R/SRTLX-FRAME-#- ###-/HORNET-HP-SRTLX-TRIM- A14-#-11-LED-**-**#-###-**-3500
	HORNET-HP-R/SRTLX-FRAME-#- ###-/HORNET-HP-SRTLX-TRIM- A14-#-11-LED-**-**#-###-**-2700	HORNET-HP-R/SRTLX-FRAME-#- ###-/HORNET-HP-SRTLX-TRIM- A14-#-11-LED-**-**#-###-**-4000
	HORNET-HP-R/SRTLX-FRAME-#- ###-/HORNET-HP-SRTLX-TRIM- A14-#-11-LED-**-**#-###-**-3000	HORNET-HP-R/SRTLX-FRAME-#- ###-/HORNET-HP-SRTLX-TRIM- A14-#-11-LED-**-**#-###-**-CRISP

Model Number	Additional Model Number	Additional Model Number
HORNET-HP-R/SRTLX-FRAME- #-###-/HORNET-HP-SRTLX- TRIM-A14-#-16-LED-**-**#-###-**- 2700-92	HORNET-HP-R/SRTLX-FRAME-#- ###-/HORNET-HP-SRTLX-TRIM- A14-#-16-LED-**-**#-###-**-3000- 92	HORNET-HP-R/SRTLX-FRAME-#- ###-/HORNET-HP-SRTLX-TRIM- A14-#-16-LED-**-**#-###-**-3500
	HORNET-HP-R/SRTLX-FRAME-#- ###-/HORNET-HP-SRTLX-TRIM- A14-#-16-LED-**-**#-###-**-2700	HORNET-HP-R/SRTLX-FRAME-#- ###-/HORNET-HP-SRTLX-TRIM- A14-#-16-LED-**-**#-###-**-4000
	HORNET-HP-R/SRTLX-FRAME-#- ###-/HORNET-HP-SRTLX-TRIM- A14-#-16-LED-**-**#-###-**-3000	HORNET-HP-R/SRTLX-FRAME-#- ###-/HORNET-HP-SRTLX-TRIM- A14-#-16-LED-**-**#-###-**-CRISP

Model Number	Additional Model Number	Additional Model Number
HORNET-HP-R/SRTLX-FRAME- #-###-/HORNET-HP-SRTLX- TRIM-A14-#-18-LED-**-**#-###-**- 2700-92	HORNET-HP-R/SRTLX-FRAME-#- ###-/HORNET-HP-SRTLX-TRIM- A14-#-18-LED-**-**#-###-**-3000- 92	HORNET-HP-R/SRTLX-FRAME-#- ###-/HORNET-HP-SRTLX-TRIM- A14-#-18-LED-**-**#-###-**-3500
	HORNET-HP-R/SRTLX-FRAME-#- ###-/HORNET-HP-SRTLX-TRIM- A14-#-18-LED-**-**#-###-**-2700	HORNET-HP-R/SRTLX-FRAME-#- ###-/HORNET-HP-SRTLX-TRIM- A14-#-18-LED-**-**#-###-**-4000
	HORNET-HP-R/SRTLX-FRAME-#- ###-/HORNET-HP-SRTLX-TRIM- A14-#-18-LED-**-**#-###-**-3000	HORNET-HP-R/SR-FRAME-#- ###-/HORNET-HP-R-TRIM-A14-#- 18-LED-**-**#-###-**-3000-92