

HORNET® TRACK HEAD

LED

APPLICATION

Accent and display lighting for retail environments

CONSTRUCTION:

Complete die-cast construction
No exposed wiring
Powder coat paint

ELECTRICAL:

Electronic constant current LED driver
120v or 277v input
Dimming options available for Triac and ELV systems. 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.

MOUNTING:

Track, canopy and busway
- Not for use on vertically mounted track

OPTICS:

0-180° tilt, 360° rotation
Available in a variety of beam spreads
LED:
Color Temp Options: 2700K, 3000K, 3500K, 4000K
CRI: 85 typ. (2700K, 3000K, 3500K, 4000K)
90+ typ. (3000K)
Life: 50,000 hrs
Lumen Maintenance: >70% of initial lumens @ 50,000 hrs
Lumen Output (3000K): Spot, 15° - 830 lm typ
Flood, 28° - 810 lm typ
Wide Flood, 45° - 815 lm typ

ACCESSORIES:

Snoot: Die-cast aluminum, 1" length, painted finish
Cross Blade: Stamped steel painted optical matte black cross blade sits in snoot which must be ordered when using cross blade

LABELING:



For indoor use only

HORNET 15W



PROJECT:

TYPE:

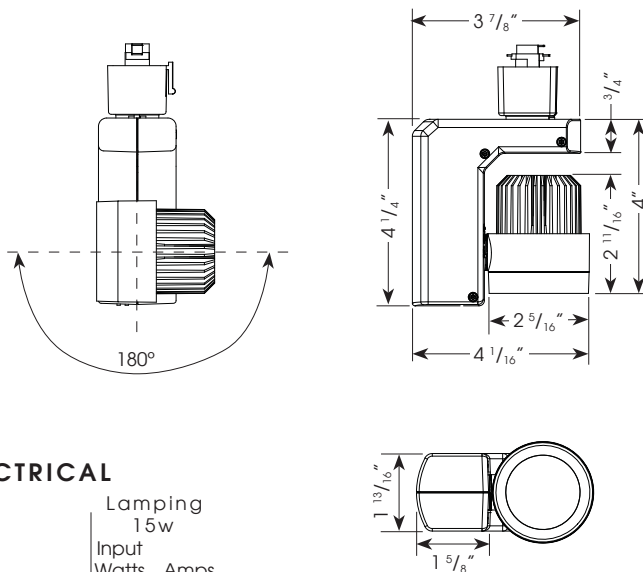


Electrostatic sensitive device,
observe precautions for
handling



10 year limited
warranty
AMERLUX LED

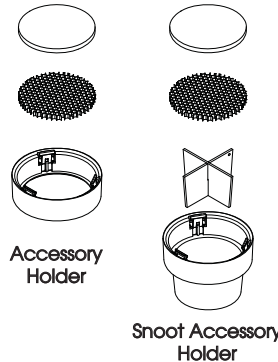
(see website for details)



ELECTRICAL

Driver	Lamping 15w	
	Input Watts	Amps
Electronic 120v	15	.13
277v	15	.05

Accessory Options:



ORDERING INFORMATION:

Model	Wattage	Lamp Type	Driver	Finish	Mounting	Voltage	Beam Spread	Color Temp	Options/Accessories*
HORNET	15	LED	E - electronic	WT - white texture BT - black texture ST - silver texture - (other RAL)	TN1 - Global 1cir/H-Style, 120v TEK - Global 2cir/2neut, 120v TN3 - Global 3cir, 120v TN2 - Global 2cir/2neut, 277v CT - J-Style LOL - L-Style LLAB - Litelab Bus Run, 120v B - busway C - canopy CCL2 - C-clamp with SCP - straight cord, 6' CCP - coil cord, 5'	120 277	NSP - narrow spot, 12° SP - spot, 15° NF - narrow flood, 20° MFL - medium flood, 24° FL - flood, 28° WF - wide flood, 45° VWF - very wide flood, 60° LS - linear spread, 60° x 10°	2700 3000 3500 4000 3000-90* (90CRI)	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 AH or SNAH DIM-ELV - ELV dimming (120v only) DIM-TRIAC - Triac dimming (120v only)

* NOTE: 3000-90 option & accessories are not Energy Star rated.

Example: HORNET-15-LED-E-WT-TN1-120-FL-3000

Cat #:

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

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15W



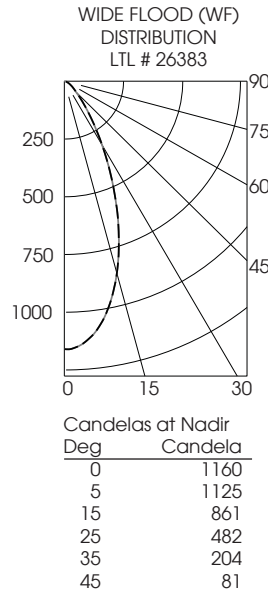
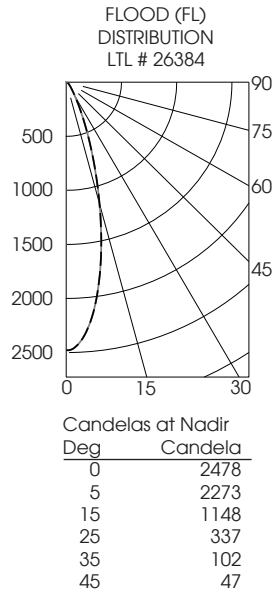
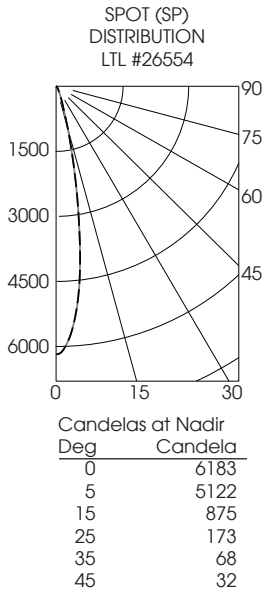
TYPE:



FIXTURE DATA:

Complete photometric data (ies format) available upon request.

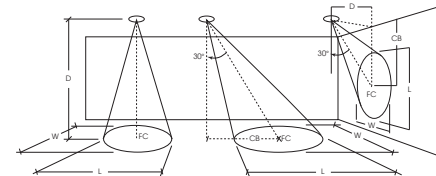
15W LED



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'	247	1.4	1.4	5.0'	155	2.2	1.7	3.0	3.0'	107	2.8	1.7	4.3	3.0'	443	1.3	1.1	1.7
	7.5'	110	2.5	2.5	7.5'	73	3.0	2.8	4.0	4.0'	60	3.8	2.2	5.7	4.0'	255	1.6	1.5	2.3
	10.0'	62	3.2	3.2	10.0'	41	4.0	3.5	5.0	5.0'	39	4.7	2.8	7.3	5.0'	165	2.0	1.8	2.8
	12.5'	40	3.9	3.9	12.5'	26	5.1	4.5	7.0	6.0'	27	5.6	3.3	8.8	6.0'	115	2.4	2.1	3.3
FLOOD	5.0'	99	2.5	2.5	5.0'	63	3.2	2.8	2.0	3.0'	52	3.5	2.4	3.8	3.0'	180	1.9	1.7	1.3
	7.5'	44	3.6	3.6	7.5'	30	4.5	4.0	4.0	4.0'	29	4.7	3.1	4.8	4.0'	104	2.4	2.2	1.7
	10.0'	25	4.8	4.8	10.0'	17	5.9	5.4	5.0	5.0'	19	5.9	3.9	6.3	5.0'	67	3.0	2.7	2.3
	12.5'	16	5.9	5.9	12.5'	11	7.4	6.6	6.0	6.0'	13	7.0	4.7	7.3	6.0'	47	3.6	3.2	2.8
WIDE FLOOD	5.0'	46	3.6	3.6	5.0'	34	4.1	3.8	2.0	3.0'	34	3.7	3.0	2.7	3.0'	95	2.5	2.3	1.3
	7.5'	21	5.4	5.4	7.5'	15	6.1	5.7	3.0	4.0'	19	4.9	4.0	3.8	4.0'	53	3.3	3.1	1.8
	10.0'	12	7.1	7.1	10.0'	9	8.1	7.7	4.0	5.0'	12	6.1	4.9	4.8	5.0'	34	4.1	3.9	2.2
	12.5'	7	8.9	8.9	12.5'	6	10.1	9.5	5.0	6.0'	9	7.3	6.0	5.3	6.0'	24	4.9	4.6	2.3

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15W



TYPE:



DIMMING COMPATIBILITY:

Amerlux® "Hornet" track head is compatible with TRIAC and ELV 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.

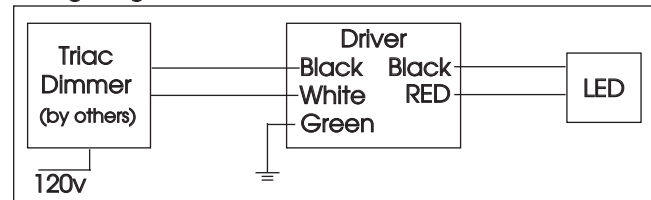
TRIAC (Forward Phase) DIMMING (-DIM-TRIAC Option) ---not compatible with 12w module---

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 ONLY
- 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

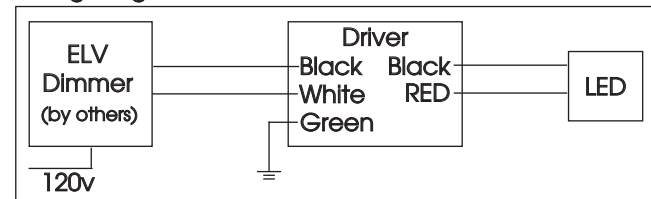
ELV - Electronic Low Voltage (Reverse Phase) DIMMING (-DIM-ELV Option)

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

Notes:

- 120v ONLY
- 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