

ALH Series

Architectural LED Linear Highbay



DESCRIPTION

The slim profile, architectural ALH highbay is ideally suited for retail, industrial, commercial, manufacturing, warehousing, gymnasium, large meeting spaces and other applications that utilize a traditional HID or linear fluorescent highbay with mounting heights up to 50'.

Trace-Lite's ALH utilizes high efficacy, high-output LEDs to provide over 55% energy savings compared to HID technology. Precisely engineered LED light engines deliver uniform lighting without pixilation for exceptional light quality for any task. The ALH is offered in three wattages up to 26,166 lumens with a diffused lens, and is supplied standard with adjustable aircraft cable mounts. The ALH highbay is suitable for ambient temperatures up to 50°C (122°F).

SPECIFICATIONS

Construction:

- Extruded aluminum light bar heat sinks with hinged driver housing in a white finish
- Two light bars for the 80 Watts and 150 Watts models; Four light bars for the 200 Watt model
- Driver housing isolated from aluminum LED heat sinks to optimize heat dissipation, with tool-less access from below the fixture
- Diffused flat polycarbonate lens over each LED light bar

Optics/ LEDs:

- General distribution (120°)
- Diffused lens to eliminate pixilation
- 4000K or 5000K CCT
- CRI ≥ 80
- L70 > 50,000 hours at 50°C (122°F)

Electrical:

- Class 1 power supply, voltage sensing 120-277VAC, 1-10V dimming

Installation:

- Adjustable cable mounts with integral Y-toggles included (10')

Options:

- 6' Line Cord (LC6)
- Side-mounted 0-10V digital high/low infrared sensor wired at factory, Wattstopper FS-221 with 360° lens (SCE)

Accessories:

- On/off occupancy sensor (TL-OCCSNS-120/277)
- Side-mounted 1-10V digital high/bay infrared sensor, daylight harvesting Wattstopper FSP221 with 360° lens, maximum coverage 100' diameter from 40' height (TL-SCE)
- 1-10V Digital high/low infrared sensor controller, Wattstopper FSIR-100 (TL-FSIR-100) for use with TL-SCE sensor (Optional)
- Surface mount kit (ALH-SM) includes two brackets and mounting hardware

Testing & Compliance:

- UL/cUL Listed for Dry Locations
- LED modules comply with IESNA LM-79 and LM-80
- Adheres to TM21 industry standards
- Operating temperatures: -40°C to 50°C (-40°F to 122°F)

Warranty:

- Five year warranty (terms and conditions apply)

AVAILABLE WHILE SUPPLIES LAST



Shown with included aircraft cable mounts.

Specs At A Glance*			
Series	ALH08	ALH15	ALH2
Wattage (W)	80	150	200
Lumens (lm)	9503	19,360	26,166
Efficacy (LPW)	121	122	123
Equivalency	4-lamp T8/T5HO, Up to 250W HID	6-lamp T5HO, 8-lamp T8, Up to 400W HID	
Distribution	General 120° distribution - Diffused lens		
CCT	4000K, 5000K		
CRI	≥80		
Input Voltage	120 - 277VAC, 50/60Hz		
Ambient Temp	-40°C to 50°C (-40°F to 122°F)		
Certifications	UL/cUL Listed		
Warranty	5 Years		
Dimensions	22.7" (L) 9.6" (W)	43" (L) 9.6" (W)	43" (L) 14" (W)
Weight	13 lbs	16 lbs	21 lbs

* Nominal Wattage, tested at 5000K CCT. Values at 120/277VAC. See performance table for more detailed lumen information.

Note: Environment and application will affect actual performance. Typical values and 25°C (77°F) used for testing. Specifications subject to change without notice.

Model: _____ Date: _____
 Accessories: _____
 Job Name: _____ Type: _____

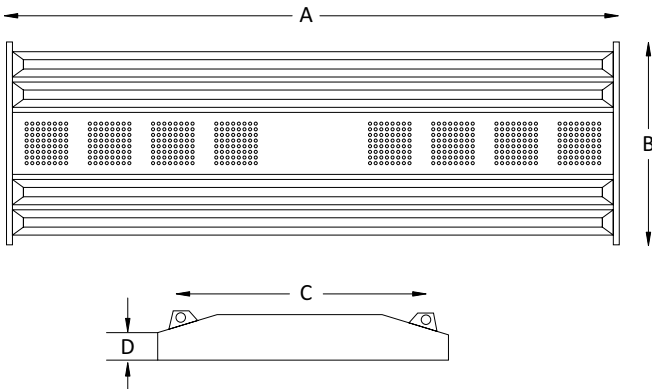
Ordering Information (Example: ALH15-D-VS-5K)

Series	Distribution	Input Voltage	CCT	Options
ALH08 = 80W	D = Diffused general distribution	VS = 120/277VAC	4K = 4000K	LC6 ¹ = 6' Line Cord
ALH15 = 150W			5K = 5000K	SCE ¹ = Side-mounted 0-10V digital high/low infrared sensor, Wattstopper FSP-221, L7 Lens
ALH2 = 200W				
				Accessories³ (Field Installed)
Notes				ALH-SM = Surface mount kit, includes two brackets and mounting hardware
¹ Made to order, operating temperature may vary				TL-FSIR-100 ² = Wattstopper digital high/low infrared sensor controller (optional)
² For use with SCE/TL-SCE				TL-OCCSNS-120/277 = On/off occupancy sensor
³ Order as separate line item; shipped in separate box for final installation in field				TL-SCE = Side-mounted 1-10V digital high/low infrared sensor, Wattstopper FSP-221, L7 lens

Performance Data

Model	Wattage (W)	CCT	Distribution	Lumen Output (lm)	Efficacy (LPW)	HID Equivalency
ALH08-D-VS-4K	78.1	4000K	General 120°	9451	120	4-lamp T5HO / T8, Up to 250W HID
ALH08-D-VS-5K	78.1	5000K		9503	121	
ALH15-D-VS-4K	156.5	4000K		19,107	122	
ALH15-D-VS-5K	157.5	5000K		19,360	122	6-lamp T5HO, 8-lamp T8, Up to 400W HID
ALH2-D-VS-4K	205.4	4000K		25,251	122	
ALH2-D-VS-5K	212.6	5000K		26,166	123	

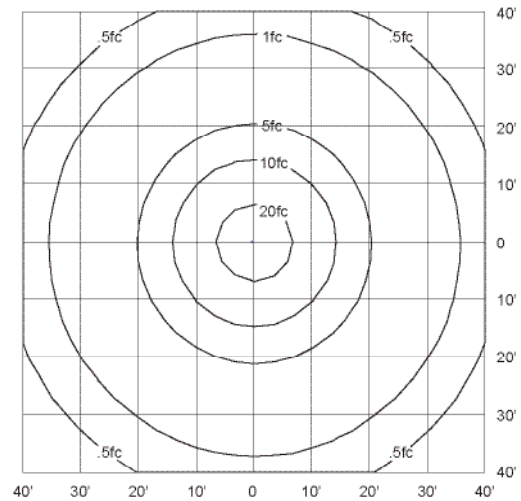
Dimensions



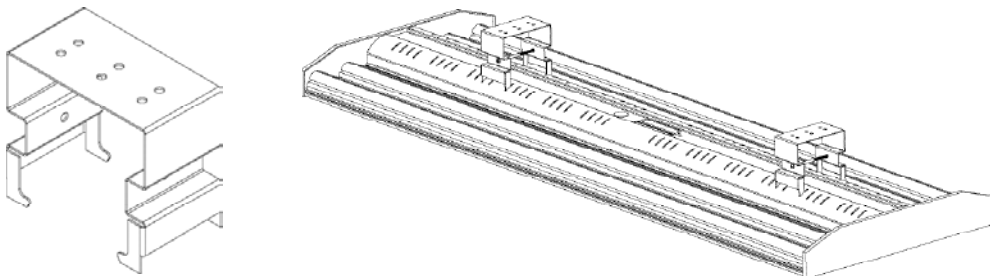
Model	A	B	C	D	Weight (lbs)
ALH08	22.7"	9.6"	7.3"	2.3"	13 lbs
ALH15	43.0"	9.6"	7.3"	2.3"	16 lbs
ALH2	43.0"	14.0"	11.8"	2.3"	21 lbs

Sample Photometrics

ALH2-D-VS-5K
MOUNTING HEIGHT: 20'
TILT: ZERO



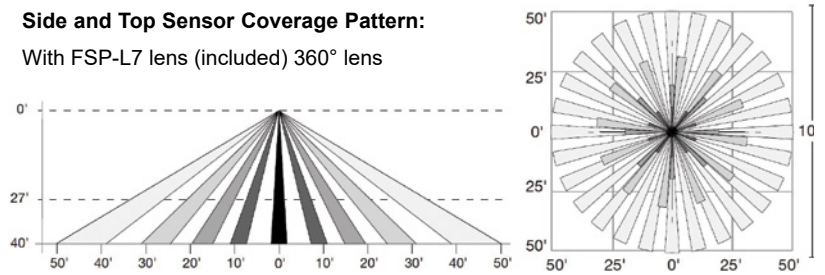
Surface Mount (ALH-SM accessory)



Sensor Details (TL-SCE accessory)



Side and Top Sensor Coverage Pattern:
With FSP-L7 lens (included) 360° lens



Settings for TL-SCE sensor

	Settings	Default
High mode:	0-10V	10V
Low mode:	Off, 0-9.8V	1V
Time delay:	30 Seconds; 5-30 Minutes	5 Minutes
Cut off delay:	None, 1-60 Min, 1-5 Hours	1 Hour
Sensitivity:	None, Low, Medium, Max	Max
Set point:	None, 1-250 fc, Auto	Disabled
Ramp-up time:	None, 1-60 Seconds	Disabled
Fade-down time:	None, 1-60 Seconds	Disabled

NOTE:

To change settings in the field, please order TL-FSIR-100 controller.

