



Catalog #: \_\_\_\_\_ Project: \_\_\_\_\_

Prepared By: \_\_\_\_\_ Date: \_\_\_\_\_ Type: \_\_\_\_\_

# AHB

## Advantage Series High Bay



OVERVIEW	
Lumen Range	18,000 - 30,000
CCT	4000K, 5000K
Wattage Range	130 - 220
Efficacy Range (LPW)	125 - 140
Weight lbs (kg)	7.2 - 9 (3.3 - 4.1)

### QUICK LINKS

[Ordering Guide](#)[Performance](#)[Photometrics](#)[Dimensions](#)

### FEATURES & SPECIFICATIONS

#### Construction

- High quality compact 2ft steel construction with white paint-after-fabrication finish
- Acrylic resin lens

#### Optical System

- Minimum CRI of 80
- Available in 4000K and 5000K
- 90 degree beam angle wide distribution
- Frosted lens design for maximum light output

#### Electrical

- 0-10V dimming (10%-100%) standard
- Standard Universal Voltage (120-277 VAC) only

- L70 Calculated Life: >60K hours

- Operating Temperature -40 to +50C (-40F to +122F)

#### Installation

- Standard 3' chain mount and V hooks included
- Optional single or double pendant mount box (3/4" stem not included)
- 2 Wireguard accessories available
  - 18L/24L - 2 pack each 4" wide
  - 30L - 2 pack each 5 1/4" wide
- Shipping qty 2 per carton

#### Warranty

- Complete warranty terms located at: <https://www.lsicorp.com/resources/terms-conditions-warranty/>

#### Listings

- Listed to UL 1598 and UL 8750
- Damp location
- DLC standard qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.





# Advantage Series High Bay

## ORDERING GUIDE

[Back to Quick Links](#)TYPICAL ORDER EXAMPLE: **AHB 18L 840 EM15 OMS1**

Family	Lumen Package	Color Temperature	EM Options	Options
AHB <sup>1</sup>	18L - 18,000 Lumens 24L - 24,000 Lumens 30L - 30,000 Lumens	840 - 4000K 80CRI 850 - 5000K 80CRI	EM15 - 15W Emergency Battery <sup>2</sup>	C6CD - 6' black cord 16/5 dimming (no plug) installed on TOP CENTER C10CD - 10' black cord 16/5 dimming (no plug) installed on TOP CENTER OMS1 - External PIR motion sensor up to 20ft mounting height OMS2 - External PIR motion sensor up to 40ft mounting height OMSBT1W - External Bluetooth PIR motion and photo sensor up to 8ft mounting height OMSBT2W - External Bluetooth PIR motion and photo sensor up to 20ft mounting height OMSBT3W - External Bluetooth PIR motion and photo sensor up to 40ft mounting height IMSBT1W - Integral Bluetooth™ PIR motion and photo sensor up to 8ft mounting height IMSBT2W - Integral Bluetooth™ PIR motion and photo sensor up to 20ft mounting height IMSBT3W - Integral Bluetooth™ PIR motion and photo sensor up to 40ft mounting height

**FOOTNOTES:**

- 1 - Standard chain mount included  
2 - EM Operating temperature - 0 to +50C (+32F to +122F)  
3 - Not available with EM15 option

## Mounting Accessories

Description	Order Number
Single Pendant Mount Kit <sup>3</sup>	757494
Double Pendant Mount Kit	757496
4" Wireguards (2 pack) for 18L/24L	757498
5 1/4" Wireguards (2 pack) for 30L	757921

**Standard Chain Mount****Pendant Mount Kit**

## PERFORMANCE

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Lumen Package	840 (80CRI, 4000K)			850 (80CRI, 5000K)		
	Delivered Lumens	Efficacy	Wattage	Delivered Lumens	Efficacy	Wattage
18L	17,170	133	129	17,049	133	128
24L	21,171	129	165	23,111	138	168
30L	28,390	132	215	27,364	127	215

Electrical Data (Amps)*					
Lumen Package	Wattage	120V	204V	240V	277V
18L	128	1.07	0.627	0.533	0.462
24L	165	1.38	0.809	0.688	0.596
32L	215	1.79	1.05	0.896	0.776

AHB 18L						
Recommended Lumen Maintenance <sup>1</sup>						
Ambient Temp C	Initial <sup>2</sup>	25k hr <sup>2</sup>	50k hr <sup>2</sup>	75k hr <sup>3</sup>	100k hr <sup>3</sup>	
25	100%	95%	90%	86%	81%	
30	100%	95%	90%	86%	81%	
35	100%	95%	90%	86%	81%	
40	100%	95%	90%	86%	81%	
45	100%	95%	90%	85%	80%	
50	100%	94%	89%	84%	79%	

AHB 24L						
Recommended Lumen Maintenance <sup>1</sup>						
Ambient Temp C	Initial <sup>2</sup>	25k hr <sup>2</sup>	50k hr <sup>2</sup>	75k hr <sup>3</sup>	100k hr <sup>3</sup>	
25	100%	95%	90%	86%	81%	
30	100%	95%	90%	86%	81%	
35	100%	95%	90%	86%	81%	
40	100%	95%	90%	85%	81%	
45	100%	95%	89%	84%	80%	
50	100%	94%	89%	84%	79%	

AHB 30L						
Recommended Lumen Maintenance <sup>1</sup>						
Ambient Temp C	Initial <sup>2</sup>	25k hr <sup>2</sup>	50k hr <sup>2</sup>	75k hr <sup>3</sup>	100k hr <sup>3</sup>	
25	100%	95%	90%	86%	81%	
30	100%	95%	90%	86%	81%	
35	100%	95%	90%	85%	80%	
40	100%	94%	89%	84%	79%	
45	100%	94%	88%	83%	78%	
50	100%	94%	88%	82%	77%	





# Advantage Series High Bay

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## PHOTOMETRICS

Luminaire photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. As specified by IESNA LM-79-08 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

See <https://www.lsicorp.com/product/advantage-high-bay/> for detailed photometric data.

### AHB-18L-850

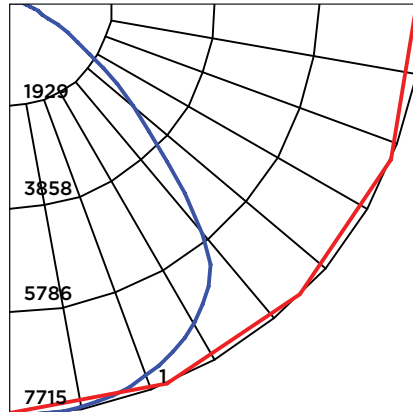
#### LUMINAIRE DATA

Wide Distribution	
Description	5000 Kelvin, 80 CRI
Delivered Lumens	17,049
Watts	128
Efficacy	133

#### Zonal Lumen Summary

Zone	Lumens	%Luminaire
Low (0-30)°	6203.0	36.4%
Medium (30-60)°	8949.0	52.5%
High (60-80)°	1657.0	9.7%
Very High (80-90)°	239.0	1.4%
Uplight (90-180)°	0.0	0.0%
Total Flux	17049.0	100%

#### POLAR CURVE



### AHB-24L-850

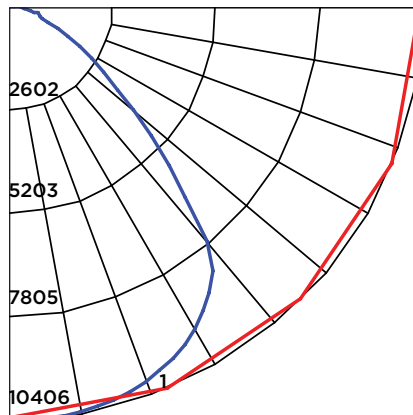
#### LUMINAIRE DATA

Wide Distribution	
Description	5000 Kelvin, 80 CRI
Delivered Lumens	23,111
Watts	168
Efficacy	138

#### Zonal Lumen Summary

Zone	Lumens	%Luminaire
Low (0-30)°	8378.0	36.3%
Medium (30-60)°	12769.0	52.7%
High (60-80)°	2245.0	9.7%
Very High (80-90)°	318.0	1.4%
Uplight (90-180)°	0.0	0.0%
Total Flux	23111.0	100%

#### POLAR CURVE



### AHB-30L-850

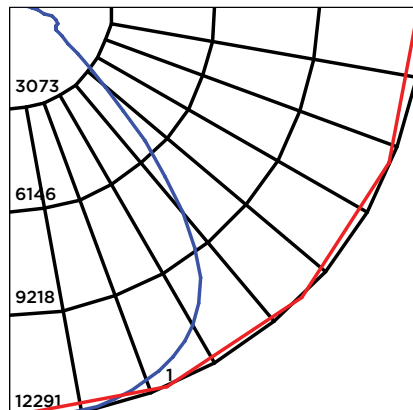
#### LUMINAIRE DATA

Wide Distribution	
Description	5000 Kelvin, 80 CRI
Delivered Lumens	27,364
Watts	215
Efficacy	127

#### Zonal Lumen Summary

Zone	Lumens	%Luminaire
Low (0-30)°	9914.0	36.2%
Medium (30-60)°	13717.0	50.1%
High (60-80)°	3181.0	11.6%
Very High (80-90)°	550.0	2.0%
Uplight (90-180)°	0.0	0.0%
Total Flux	27364.0	100.0%

#### POLAR CURVE



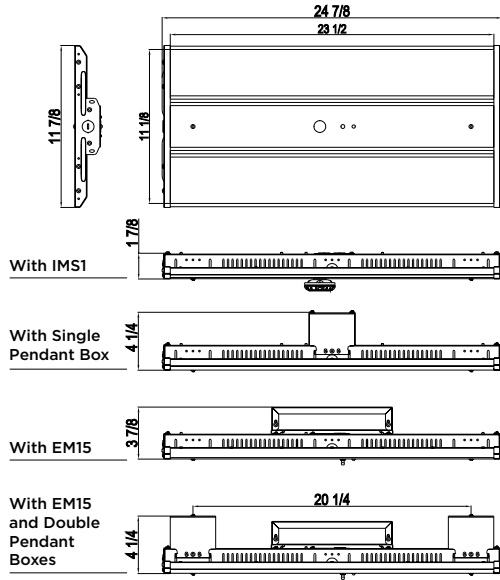


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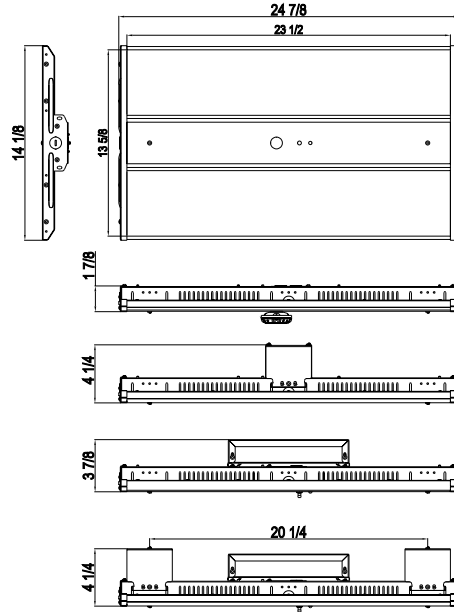
## PRODUCT DIMENSIONS

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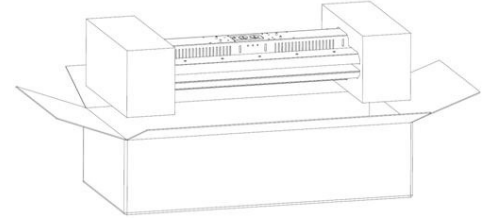
### 18L - 24L



### 30L



### Shipping Configuration (2 units/box)



### SHIPPING WEIGHTS

Unit	Qty per Box	LBS per unit	LBS per Box
18L	2	7.3	18.6
24L	2	8.2	20.1
30L	2	9.1	22.1