

AMPLIN

LINEAR HIGH BAY

Indoor Lighting | High Bays



OVERVIEW

Power	100W 150W 200W 240W 300W
Voltage	277-480V, 50/60 Hz
Power Factor	0.973
Surge Protection	5kV
Efficacy	Up to 149lm/W
CCT	5000K
Color Rendering (CRI)	85
R9 (Red Value)	22
R13 (Skin Tones)	84
Beam Angle	120°
Light Distribution	Type VS
BUG Rating	B4-U2-G2
Dimmable	Continuous Dimming to 10% or Below
Operating Temperature	-10°F ~ +120°F
Suitable Location	DAMP
Ingress Protection Rating (IP)	IP54
Average Life (Hours)	75,000
LED Source	Bridgelux 2835
Driver	Inventronics
Power Supply	Hard Wired
Housing	Aluminum
Cover Material	Polycarbonate
Diffuser	Frosted
Finish	White (Powder Coated)

Product Description

The Amplin Linear High Bay is a federal compliant solution designed for high-ceiling applications such as warehouses and manufacturing facilities. It offers wide-angle illumination for varied mounting heights. Its frosted lenses and high-quality LEDs provide glare-free, uniform lighting, ensuring comfort and productivity. Equipped with integrated surge protection and advanced thermal management, it guarantees stable operation and high-quality illumination in federal projects.

Features

- Premium quality with BAA & BABAA compliance, manufactured using Tier-1 domestically sourced materials to exceed the 65% federal procurement standard for performance and reliability.
- Precision-engineered optical lenses provide wide-angle light distribution, designed and validated for maximum uniformity across varying mounting heights.
- Equipped with frosted lenses and high-efficacy LEDs, delivering consistent, flicker-free illumination.

Application Areas

Manufacturing Facilities, Warehouses, Gymnasiums, Athletic Facilities, Workshops, Large Areas, Parking Lots

Warranty



Warranty Limitations: To ensure eligibility, the product must be installed by a certified electrician in accordance with the guidelines outlined in the installation sheet. The fixture is designed for operation within ambient temperatures of -10°F to +120°F. The 10-year warranty remains valid only if all operating conditions strictly adhere to the parameters specified in the installation sheet. Any installation errors or deviations from the provided instructions will void warranty coverage.

Additional coverage options may be available for purchase—please contact IKIO representatives for more information. Warranty claims must be initiated by submitting a completed RMA form. For full warranty details and terms, refer to the comprehensive [warranty document](#).

AMPLIN | LINEAR HIGH BAY | Indoor Lighting



Product Specifications

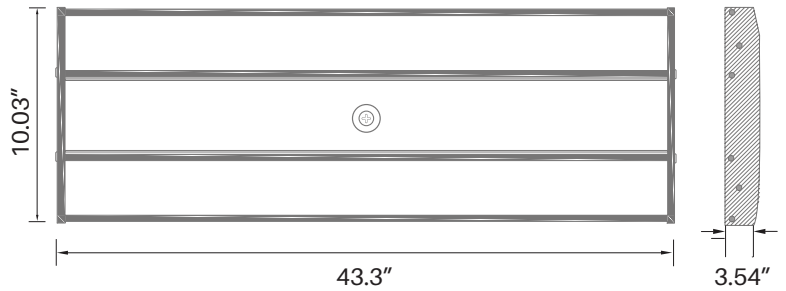
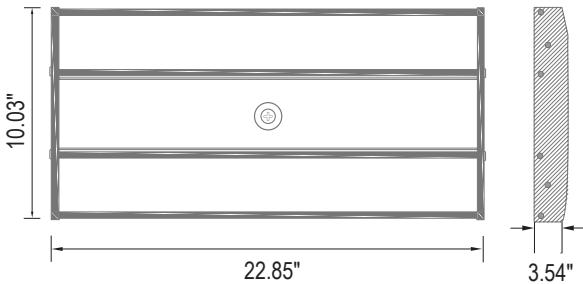
PART NUMBER	POWER	VOLTAGE	LUMEN OUTPUT	EFFICACY	CRI	CCT	CURRENT	THD	LIGHT DISTRIBUTION
	W	V	lm	lm/W		K	A		
IK-LHB1-02-F0100-HV-D-50K-WD-02-WH-BFU	100	277-480V	14805	148	85	5000	0.22	13.4%	Type VS
IK-LHB1-02-F0150-HV-D-50K-WD-02-WH-BFU	150	277-480V	21905	146	84	5000	0.32	6.7%	Type VS
IK-LHB1-04-F0200-HV-D-50K-WD-02-WH-BFU	200	277-480V	28193	141	86	5000	0.44	8.8%	Type VS
IK-LHB1-04-F0240-HV-D-50K-WD-02-WH-BFU	240	277-480V	35532	148	85	5000	0.52	6.4%	Type VS
IK-LHB1-04-F0300-HV-D-50K-WD-02-WH-BFU	300	277-480V	44101	147	84	5000	0.64	7.9%	Type VS

Note: Custom manufacturing options in CCT, wattage, voltage, light distribution, finish, and more are available upon request, subject to MOQ and lead time considerations.

Dimensions

2': IK-LHB1-02 (100W | 150W)

4': IK-LHB1-04 (200W | 240W | 300W)



Product Ordering Information

Typical order example: IK-LHB1-02-F0100-HV-D-50K-WD-02-WH-BFU

LUMINAIRE FAMILY		ELECTRICAL / LIGHTING PERFORMANCE							CONSTRUCTION	
IK	LHB1	SIZE	POWER (W)	VOLTAGE (V)	DIMMING	CCT (K)	DISTRIBUTION	DRIVER	FINISH	MANUFACTURER
IK IKIO	LHB1 AMPLIN LINEAR HIGH BAY	02 2'	F0100 100W	HV 277-480V	D DIMMABLE	50K 5000K	WD WIDE DISTRIBUTION	02 INVENTRONICS	WH WHITE	BFU BRIGHT FUTURE USA, INC
			F0150 150W							
		04 4'	F0200 200W							
			F0240 240W							
			F0300 300W							

Note: Please ensure power compatibility with this specific fixture size when selecting this option.



Accessories Ordering Information

PRODUCT CODE	DESCRIPTION	IMAGE	DOWNLOAD
IK-ACC-ARC	Suspension Cable Kit		Download
IK-OCCS	Microwave Smart Controller (Black Sensor)		Download
IK-HD05R-Digital	Microwave Motion Sensor Remote		Download

PRODUCT CODE	DESCRIPTION	IMAGE	DOWNLOAD
IK-EMH-18170-HY	Emergency Pack For Led Fixture 18W/90 Min/Split Type/L (On Field)		Download
IK-10W-ED	Emergency Pack For Led Fixture 10W/90 Min/Split Type/L (Factory Installed)		Download
IK-ACC-HD07VR	3 Pin Microwave Motion Sensor		Download