


LED Linear Low/High Bay

HBL-20



Delivering Optimal Performance with Improved Efficiency



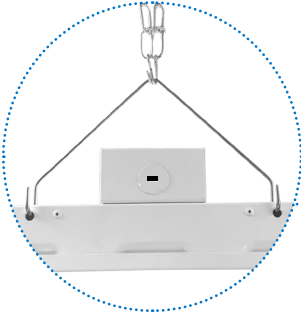
An Economical, Energy-Efficient Lighting Solution for Most High Bay Applications



The HBL LED Linear Low Bay/High Bay provides a lumen package that is ideal for replacing metal halide and linear fluorescent low bay systems. With output greater than 135 lumens per watt, this energy-efficient and economical fixture offers high performance and long life, excellent color rendering, and even uniformity. The HBL is available in 4000K and 5000K color temperatures and has suggested mounting heights from 15ft to 80ft, making it an ideal solution for warehouses, gymnasiums, garages and other storage areas, commercial and manufacturing facilities, as well as open and stack aisle applications.



High Performance Design Can be Customized for Your Environment



Hassle-Free Mounting

Easy mounting with chain and hook or optional pendant kit

Junction Box

Easy access to wiring makes installation hassle-free

Surge Protection

Built-in 10kA surge protection standard

Rounded Edges

Smooth rounded edges provide safer handling of fixture

High Efficacy LEDs

Provide long-lasting, efficient performance with uniform color and light distribution

Lens

Fixture comes standard with clear lens and has optional frosted diffuser available



At a glance HBL-20/HBL-10 comparison









HBL-20 | HBL-10



HBL-20 Series | 5000K



HBL-10 Series | 5000K

	HBL-20 Series 5000K				HBL-10 Series 5000K			
Delivered Lumens	14850 Lm	21870 Lm	30105 Lm	43335 Lm	13030 Lm	20317 Lm	28392 Lm	40474 Lm
Power Draw	110W	162W	223W	321W	108W	160W	220W	315W
System Efficacy	135Lm/W				120 Lm/W	126 Lm/W	129 Lm/W	128 Lm/W
LED Lifetime TM-21	122,000				136,000			
DLC Premium	✓				✓			
CCT Options	40K / 50K				40K / 50K			
Optional Emergency	✓				✓			
Surge Protection	10kA				10kA			
Warranty	5 Year				5 Year			
Certifications	   				   			
Input Voltage	120-277V				120-277V			
	Accessory Options				Accessory Options			
Motion Sensor	✓				✓			
Wire-guard	✓				✓			
Diffuser	✓				✓			
347-480V	✓				✓			
Pendant	✓				✓			

Full product details can be found at nicorlighting.com

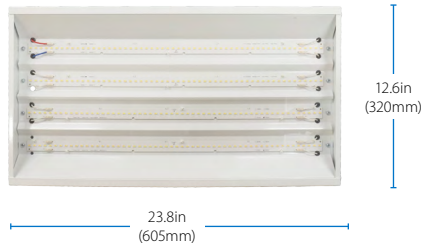


Wattage Options

HBL-110W Greater Than 14,000 Lumens

Dimensions: 23.8in (605mm) x 12.6in (320mm) x 3.6in (92mm)

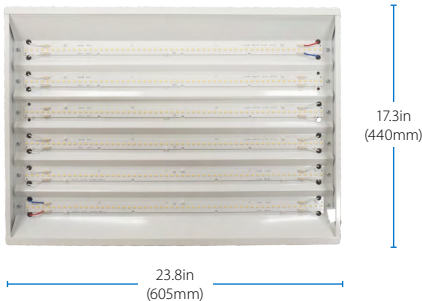
- Rack & Aisle
- Storage areas
- Small Warehouses
- Garages



HBL-162W Greater Than 21,000 Lumens

Dimensions: 23.8in (605mm) x 17.3in (440mm) x 3.6in (92mm)

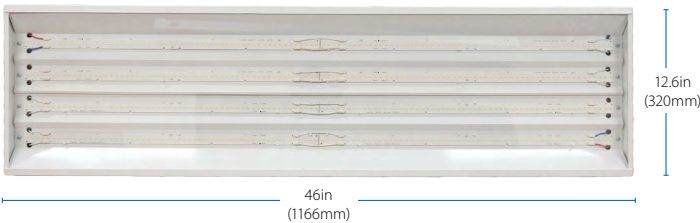
- Manufacturing Facilities
- Gymnasiums
- Warehouses
- Garages



HBL-223W Greater Than 30,000 Lumens

Dimensions: 46in (1166mm) x 12.6in (320mm) x 3.6in (92mm)

- Showrooms
- Gymnasiums
- Warehouses
- Garages

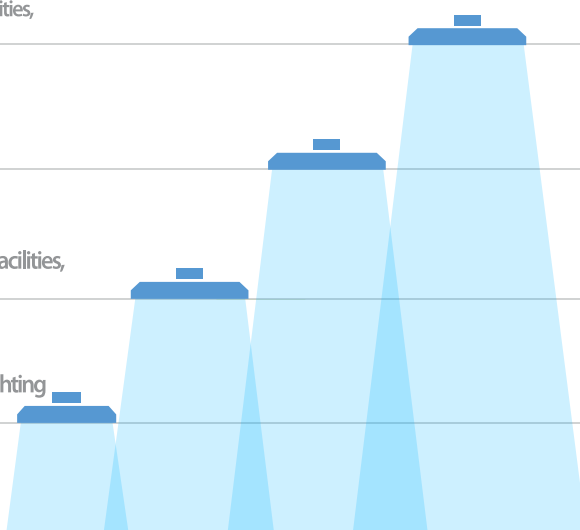


HBL-321W Greater Than 43,000 Lumens

Dimensions: 46in (1166mm) x 17.3in (440mm) x 3.6in (92mm)

- Manufacturing Facilities
- Airports
- Warehouses
- Sports complex



HBL Module Comparison		NICOR [®] LED HBL w/ Clear Lens	HID	Fluorescent
	Warehouses, manufacturing facilities, airports, sports complex 50-80' Ceilings	321W 43,335 LM	750W MH 859W	12 lamp T5 648W
	Warehouses, gymnasiums, showrooms, garages 25-35' Ceilings	223W 30,105 LM	400W PSMH 458W	8 lamp T5 468W
	Warehouses, manufacturing facilities, garages, gymnasiums 20-35' Ceilings	162W 21,870 LM	400W MH 458W	6 lamp T5 351W
	Storage areas, garages, aisle lighting small warehouses 15-25' Ceilings	110W 14,850 LM	250W MH 297W	4 lamp T5 234W



HBL-20

Ordering Information

Construction

Durable steel construction with powder coat finish
Vented steel housing provides thermal management through natural convection
Top Mounted wireway cover for easy wire access
Offers four power level categories 110W, 162W, 223W, 321W
Rated for use in damp locations

Optical System

Clear acrylic lens protects LEDs and provides optimal lumen output
Frosted acrylic lens also available

Electrical

Long-life LED system coupled with electrical driver to deliver optimal performance with over 135 lumens per watt with clear lens
Utilizes advanced high-powered LED technology with CCT of 4000K and 5000K with 80 CRI
Operating temperature rating of -0°F to 104°F (-18°C to 40°C)
10kA surge protection standard
Input voltage of 120-277V
347-480V input option available
Dimming: 0-10V standard
DLC Premium Qualified

Mounting and Installation

V-hook and chain mounting system included
Optional pendant mount kit available
Motion Sensor options available
Six foot cord or FMC option available
Wireguard option available for increased fixture protection
For installations where power surge may be possible, NICOR recommends installing additional surge protection at the fixture or electrical distribution panel

Warranty

5-year limited system warranty standard
Warranty does not cover product failure due to an overvoltage event (power surge)
TM-21 Projected L70 (9K) life > 122,000 hours
LM-79, LM-80 testing performed in accordance with IESNA standards

Performance Data			
Model Number	Lumens	Watts	Lumens/Watt
HBL-20-110W-UNV-50K	14850	110	135
HBL-20-162W-UNV-50K	21870	162	135
HBL-20-223W-UNV-50K	30105	223	135
HBL-20-321W-UNV-50K	43335	321	135



Ordering Information									
Example: HBL-20-162W-HV-50K-DMF									
Series	Version	Wattage	Voltage	CCT	Lens	Motion Sensor (Factory Install)	Emergency	Wiring Options	Plug Options
HBL	20	110W	UNV (120-277V)	40K (4000K)	(Blank) Clear	(Blank) No Motion Sensor	(Blank) No Emergency Backup	(Blank) No Cord	(Blank) No Plug
		162W	HV (347-480V)	50K (5000K)	D Diffused	M PIR Sensor	E Emergency Backup	C ¹ Cord	1 (S15P) 15 amp 120V Straight Blade Plug
		223W				W Microwave Sensor		F Flexible Metal Conduit	2 (L515P) 15 amp 120V Twist Lock Plug
		321W							3 (L615P) 15 amp 240V Twist Lock Plug
									4 (L720P) 20 amp 277V Twist Lock Plug
									5 (L2420P) 20 amp 347V Twist Lock Plug
									6 (L820P) 20 amp 480V Twist Lock Plug
									7 (L715P) 15 amp 277V Twist Lock Plug

¹ Plug option requires cord wiring option

Specifications and dimensions subject to change without notice.



Additional Accessories



Microwave Motion Sensor

Offering stand-by dimming during vacancy at 50, 30, 20 and 10 percent light output, this sensor facilitates greater energy savings.



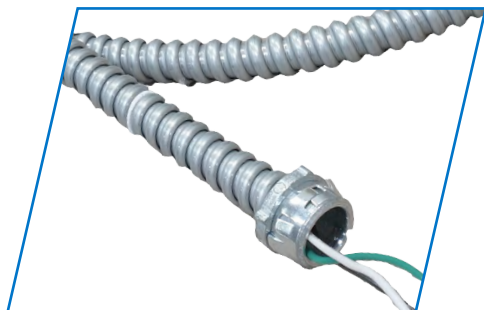
Infrared Motion Sensor

Multiple options to provide automatic control and energy savings.



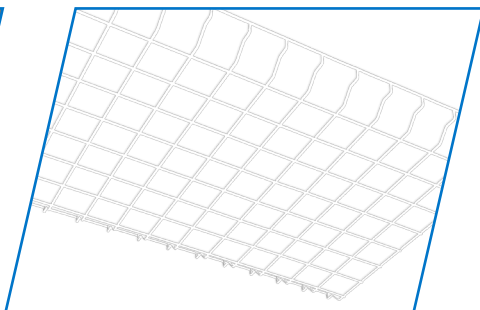
Cord & Plug Option

Standard 6ft cord with custom lengths available for wiring fixture.



Flexible Metal Conduit Option

Flexible metal conduit provides more wire protection and a secure fit.



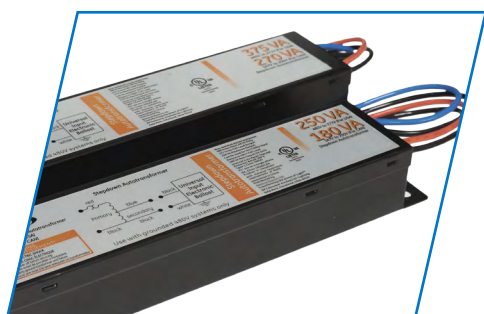
Wire Guard Option

Wire guard options for HBL add protection to the lens from any potential damage.



Pendant Mount Option

The pendant mount option is available for all HBL fixtures.



High Voltage Transformers

High voltage transformers allow the fixture to receive a higher power input of 347V - 480V.



Frosted Lens Option

The frosted lens option provides an even light spread and is ideal for lower ceiling applications



Emergency Battery Back-up

The emergency battery back-up provides 90 minutes of power to your fixture in the event of power failure.

Wireguard Accessories*

Wireguard for 110W HBL (23" x 12")	HBL-10-100-WG
Wireguard for 162W HBL (23" x 17")	HBL-10-150-WG
Wireguard for 223W HBL (46" x 12")	HBL-10-200-WG
Wireguard for 321W HBL (46" x 17")	HBL-10-320-WG

Lens Accessories*

HBL 110W Frosted Diffuser	HBL-10-100-FROS-DIFU
HBL 162W Frosted Diffuser	HBL-10-150-FROS-DIFU
HBL 223W Frosted Diffuser	HBL-10-200-FROS-DIFU
HBL 321W Frosted Diffuser	HBL-10-320-FROS-DIFU

Pendant Kit*

Pendant Kit for HBL	HBL-10-PENDANT
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Motion Sensors*

Microwave Motion Sensor	MWOS360
Infrared Motion Sensor	HBOS360WH

*HBL-20 is a version upgrade and accessories will use the current part number for ease of transition

Warehouse Locations

Albuquerque, NM
Atlanta, GA
Detroit, MI
Hayward, CA
Indianapolis, IN

Miami, FL
San Antonio, TX
Santa Fe Springs, CA
Syracuse, NY
Wood Dale, IL

T 800.821.6283

F 800.892.8393

www.nicorlighting.com

2200 Midtown Pl. NE
Albuquerque, NM 87107 USA



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