

HBL

LED Low Bay / High Bay

Product Description

The HBL is the lighting solution for a wide variety of applications and mounting heights. A choice of lumen outputs and color temperatures make the energy-efficient HBL the ideal solution for industrial, commercial and other high bay applications.

Construction

- Vented steel housing provides thermal management through natural convection
- 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 134 lumens per watt
- 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
- 480 volt option available
- Dimming: 0-10V standard

Mounting Options

- Mounting options include V-hook and chain(included), pendant (optional)

Warranty

- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge)
For installations where power surge may be possible, NICOR recommends installing additional surge protection at the fixture or electrical distribution panel

Accessories

Accessories sold separately

Motion Sensor

See ordering chart on final page

Emergency Battery Backup

See ordering chart on final page

Pendant Kit

HBL-10-PENDANT Pendant Kit for HBL

Frosted Diffuser

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

Wireguard

HBL-10-100-WG Wireguard for 110W HBL
HBL-10-150-WG Wireguard for 162W HBL
HBL-10-200-WG Wireguard for 223W HBL
HBL-10-320-WG Wireguard for 321W HBL

PRODUCT INFORMATION

Calculated L70 LED Lifetime (Hrs):	122,000
Reported L70 LED Lifetime (Hrs):	>36,000
Input Voltage (V)	120-277VAC

	HBL-110W 50K	HBL-162W 50K	HBL-223W 50K	HBL-321W 50K
Wattage:	110W	162W	223W	321W
Lumens:	14850 Lm	21870 Lm	30105 Lm	43335 Lm
Efficacy:	135 Lm/W	135 Lm/W	135 Lm/W	135 Lm/W
Length:	23.8 in. (605mm)	23.8 in. (605mm)	46 in. (1166mm)	46 in. (1166mm)
Width:	12.6 in. (320mm)	17.3 in. (440mm)	12.6 in. (320mm)	17.3 in. (440mm)
Height:	3.6 in. (92mm)	3.6 in. (92mm)	3.6 in. (92mm)	3.6 in. (92mm)

Specifications and dimensions subject to change without notice.

Project

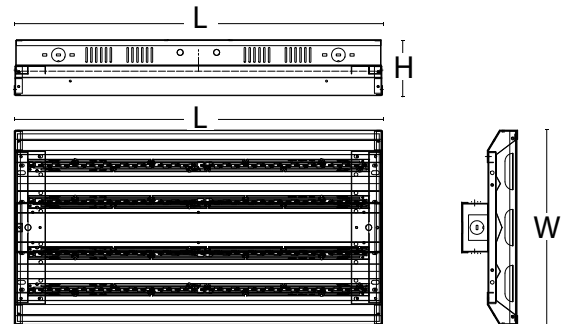
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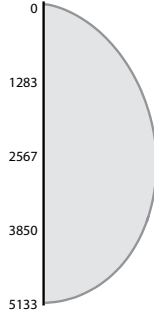
Shown with optional frosted diffuser, wireguard and pendant kit



Photometric Data

HBL-20-110W-UNV-40K

Luminaire	4000K
Input Voltage (VAC)	120-277
System Level Power (W)	110
Delivered Lumens (Lm)	14740
System Efficacy (Lm/W)	134
Correlated Color Temp (K)	4000
Color Rendering Index (CRI)	80



Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	4218	29%
0-40	6981	47%
0-60	12329	84%
0-90	14689	100%
90-180	51	0%
0-180	14740	100%

HBL-20-110W-UNV-50K

Luminaire	5000K
Input Voltage (VAC)	120-277
System Level Power (W)	110
Delivered Lumens (Lm)	14850
System Efficacy (Lm/W)	135
Correlated Color Temp (K)	5000
Color Rendering Index (CRI)	80

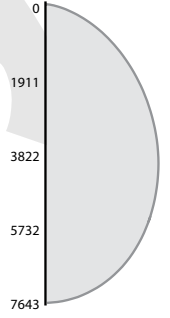


Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	4250	29%
0-40	7033	47%
0-60	12421	84%
0-90	14798	100%
90-180	51	0%
0-180	14850	100%

HBL-20-162W-UNV-40K

Luminaire	4000K
Input Voltage (VAC)	120-277
System Level Power (W)	162
Delivered Lumens (Lm)	21708
System Efficacy (Lm/W)	134
Correlated Color Temp (K)	4000
Color Rendering Index (CRI)	80

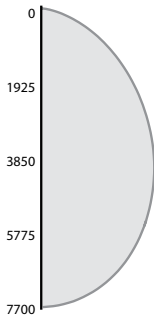


Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	6152	28%
0-40	10181	47%
0-60	18038	83%
0-90	21645	100%
90-180	62	0%
0-180	21708	100%

HBL-20-162W-UNV-50K

Luminaire	4000K
Input Voltage (VAC)	120-277
System Level Power (W)	162
Delivered Lumens (Lm)	21870
System Efficacy (Lm/W)	135
Correlated Color Temp (K)	5000
Color Rendering Index (CRI)	80

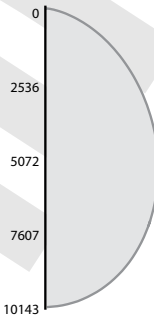


Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	6198	28%
0-40	10257	47%
0-60	18173	83%
0-90	21807	100%
90-180	63	0%
0-180	21870	100%

HBL-20-223W-UNV-40K

Luminaire	4000K
Input Voltage (VAC)	120-277
System Level Power (W)	223
Delivered Lumens (Lm)	29882
System Efficacy (Lm/W)	134
Correlated Color Temp (K)	4000
Color Rendering Index (CRI)	80

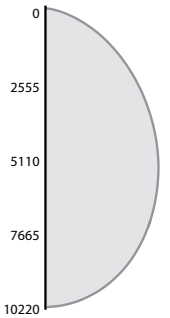


Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	8460	28%
0-40	14009	47%
0-60	24899	83%
0-90	29801	100%
90-180	81	0%
0-180	29882	100%

HBL-20-223W-UNV-50K

Luminaire	5000K
Input Voltage (VAC)	120-277
System Level Power (W)	223
Delivered Lumens (Lm)	30105
System Efficacy (Lm/W)	135
Correlated Color Temp (K)	5000
Color Rendering Index (CRI)	80

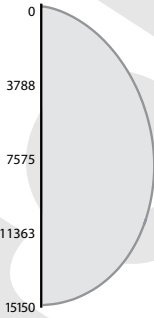


Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	8523	28%
0-40	14114	47%
0-60	25085	83%
0-90	30024	100%
90-180	82	0%
0-180	30105	100%

HBL-20-321W-UNV-40K

Luminaire	4000K
Input Voltage (VAC)	120-277
System Level Power (W)	321
Delivered Lumens (Lm)	43014
System Efficacy (Lm/W)	134
Correlated Color Temp (K)	4000
Color Rendering Index (CRI)	80



Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	12067	28%
0-40	19979	46%
0-60	35565	83%
0-90	42901	100%
90-180	113	0%
0-180	43014	100%

HBL-20-321W-UNV-50K

Luminaire	5000K
Input Voltage (VAC)	120-277
System Level Power (W)	321
Delivered Lumens (Lm)	43335
System Efficacy (Lm/W)	135
Correlated Color Temp (K)	5000
Color Rendering Index (CRI)	80



Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	12157	28%
0-40	20129	46%
0-60	35831	83%
0-90	43221	100%
90-180	114	0%
0-180	43335	100%

Specifications and dimensions subject to change without notice.

Ordering Information

HBL Ordering Information

Example: HBL-20-162W-HV-50K-DMF

Series	Version	Wattage	Voltage	CCT	Lens	Motion Sensor (Factory Install)	Emergency	Wiring Options	Plug Options ¹
HBL	20 (2.0)	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

Additional Accessories

Wireguard

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

Pendant Kit

HBL-10-PENDANT	Pendant kit for HBL
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Lenses

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

Questions? Contact NICOR for info & pricing

¹ Plug option requires cord wiring option