

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 100W (108 Watts actual), 150W (160 Watts actual), 200W (220 Watts actual), 320W (315 Watts actual)

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 120 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

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 100W HBL

HBL-10-150-FROS-DIFU Frosted Diffuser for 150W HBL

HBL-10-200-FROS-DIFU Frosted Diffuser for 200W HBL

HBL-10-320-FROS-DIFU Frosted Diffuser for 320W HBL

Wireguard

HBL-10-100-WG Wireguard for 100W HBL

HBL-10-150-WG Wireguard for 150W HBL

HBL-10-200-WG Wireguard for 200W HBL

HBL-10-320-WG Wireguard for 320W HBL

PRODUCT INFORMATION

Projected L70 LED Lifetime (Hrs):	>70,000
Input Voltage (V)	120-277VAC

	HBL-100W 50K	HBL-150W 50K	HBL-200W 50K	HBL-320W 50K
Power Category:	100W	150W	200W	320W
Power (actual):	108W	160W	220W	315W
Lumens:	13,030 Lm	20,317 Lm	28,392 Lm	40,474 Lm
Efficacy:	120 Lm/W	126 Lm/W	129 Lm/W	128 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)

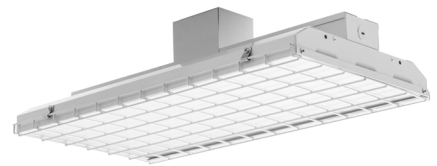
Ordering Information

See final page for a detailed ordering chart

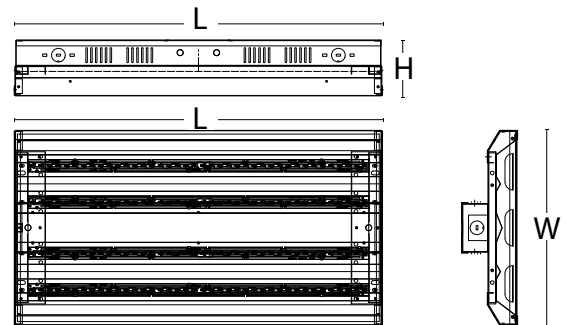
Project

Catalog

Type



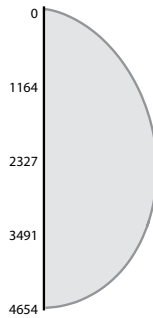
Shown with optional frosted diffuser, wireguard and pendant kit



Photometric Data

HBL-10-100W-UNV-40K

Luminaire	4000K
Input Voltage (VAC)	120-277
System Level Power (W)	108
Delivered Lumens (Lm)	12360
System Efficacy (Lm/W)	114
Correlated Color Temp (K)	4168
Color Rendering Index (CRI)	84

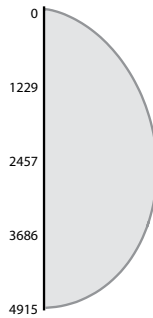


Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	3657	30%
0-40	6035	49%
0-60	10688	86%
0-90	12360	100%
90-180	0	0%
0-180	12360	100%

HBL-10-100W-UNV-50K

Luminaire	5000K
Input Voltage (VAC)	120-277
System Level Power (W)	108
Delivered Lumens (Lm)	13030
System Efficacy (Lm/W)	120
Correlated Color Temp (K)	5337
Color Rendering Index (CRI)	84

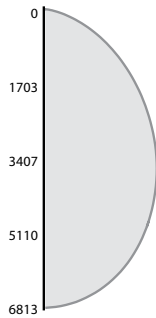


Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	3862	30%
0-40	6373	49%
0-60	11287	87%
0-90	13030	100%
90-180	0	0%
0-180	13030	100%

HBL-10-150W-UNV-40K

Luminaire	4000K
Input Voltage (VAC)	120-277
System Level Power (W)	160
Delivered Lumens (Lm)	19350
System Efficacy (Lm/W)	120
Correlated Color Temp (K)	4187
Color Rendering Index (CRI)	84

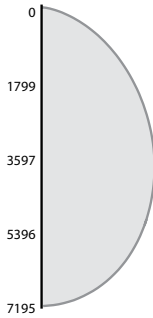


Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	5350	28%
0-40	8829	46%
0-60	15649	81%
0-90	19350	100%
90-180	0	0%
0-180	19350	100%

HBL-10-150W-UNV-50K

Luminaire	4000K
Input Voltage (VAC)	120-277
System Level Power (W)	160
Delivered Lumens (Lm)	20317
System Efficacy (Lm/W)	126
Correlated Color Temp (K)	5289
Color Rendering Index (CRI)	84

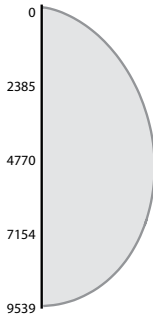


Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	5650	28%
0-40	9323	46%
0-60	16525	81%
0-90	20317	100%
90-180	0	0%
0-180	20317	100%

HBL-10-200W-UNV-40K

Luminaire	4000K
Input Voltage (VAC)	120-277
System Level Power (W)	220
Delivered Lumens (Lm)	27040
System Efficacy (Lm/W)	122
Correlated Color Temp (K)	4182
Color Rendering Index (CRI)	84



Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	8112	30%
0-40	12383	46%
0-60	22009	81%
0-90	27040	100%
90-180	0	0%
0-180	27040	100%

HBL-10-200W-UNV-50K

Luminaire	5000K
Input Voltage (VAC)	120-277
System Level Power (W)	220
Delivered Lumens (Lm)	28392
System Efficacy (Lm/W)	129
Correlated Color Temp (K)	5220
Color Rendering Index (CRI)	84

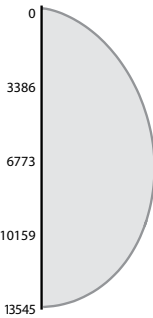


Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	8566	30%
0-40	13076	46%
0-60	23242	81%
0-90	28392	100%
90-180	0	0%
0-180	28392	100%

HBL-10-320W-UNV-40K

Luminaire	4000K
Input Voltage (VAC)	120-277
System Level Power (W)	315
Delivered Lumens (Lm)	38400
System Efficacy (Lm/W)	122
Correlated Color Temp (K)	4182
Color Rendering Index (CRI)	84

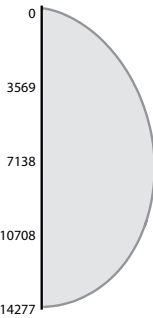


Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	8112	21%
0-40	12382	32%
0-60	22009	57%
0-90	27040	70%
90-180	0	0%
0-180	38400	100%

HBL-10-320W-UNV-50K

Luminaire	5000K
Input Voltage (VAC)	120-277
System Level Power (W)	315
Delivered Lumens (Lm)	40474
System Efficacy (Lm/W)	128
Correlated Color Temp (K)	5220
Color Rendering Index (CRI)	84



Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	8566	21%
0-40	13076	32%
0-60	23242	57%
0-90	28500	70%
90-180	0	0%
0-180	40474	100%

Ordering Information

HBL Ordering Information

Example: HBL-10-150W-HV-50K-DMF

Series	Version	Power Category	Voltage	CCT's	Lens	Motion Sensor (Factory Install)	Emergency	Wiring Options	Plug Options ¹
HBL	10 (1.0)	100W	UNV (120-277V)	40K (4000K)	(Blank) Clear	(Blank) No Motion Sensor	(Blank) No Emergency Backup	(Blank) No Cord	(Blank) No Plug
		150W	HV (347-480V)	50K (5000K)	D Diffused	M PIR Sensor	E Emergency Backup	C ¹ Cord	1 (515P) 15 amp 120V Straight Blade Plug
		200W				W Microwave Sensor		F Flexible Metal Conduit	2 (L515P) 15 amp 120V Twist Lock Plug
		320W							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 100W HBL (23" x 12")
HBL-10-150-WG	Wireguard for 150W HBL (23" x 17")
HBL-10-200-WG	Wireguard for 200W HBL (46" x 12")
HBL-10-320-WG	Wireguard for 320W HBL (46" x 17")

Pendant Kit

HBL-10-PENDANT	Pendant kit for HBL
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Lenses

HBL-10-100-FROS-DIFU	HBL 100W Frosted Diffuser
HBL-10-150-FROS-DIFU	HBL 150W Frosted Diffuser
HBL-10-200-FROS-DIFU	HBL 200W Frosted Diffuser
HBL-10-320-FROS-DIFU	HBL 320W Frosted Diffuser

Questions? Contact NICOR for info & pricing

¹ Plug option requires cord wiring option