

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

FEATURES

- Efficiently lights any large interior space such as heavy industrial settings, warehouses, gyms, churches, swimming pools/natatorium and shopping malls
- High performance LED design delivering up to 100 lumens per watt
- IP65/66 rated
- UL Sanitation Certified per NSF Standards
- Ambient Temperature range from -40°C to 55°C
- Three distinct distributions: aisle, narrow and wide



SPECIFICATIONS

CONSTRUCTION

- LED count ranges from 72 to 60 to 48 and all three LED counts are driven at 700 mA
- Ambient limited to 35°C for Ceiling Mount (X) option
- Fixture weight: 29 lbs. Shipped weight: 33 lbs.

OPTICS

- Custom engineered LED optics providing optimally controlled and evenly distributed light
- Sealed optic for long life and durability
- 70 CRI

ELECTRICAL

- High output LEDs
- 60,000 hours, long life at L70
- Surge protection is included standard
- Circuit Loading Information
- 1.50 amps @ 120v 60 Hz
- 0.75 amps @ 240v 60 Hz
- 0.65 amps @ 277v 60 Hz
- Power factor greater than 0.90
- Standard 0–10V dimmable drivers
- FCC 47CFR Part 15 Class B Compliant
- 48 LED units @ -40°C TO 55°C
- 60 LED units @ -40°C TO 50°C
- 72 LED units @ -40°C TO 45°C

CONTROLS

- Dimming control sensor for occupancy and ambient light level detection

CERTIFICATIONS

- CSA tested to UL 1598 Wet Location, IP65
- UL Sanitation Certified per NSF Standards
- IP66 with factory installed ENCG option
- This product qualifies as a “designated country construction material” per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 06/01/2020.

WARRANTY

- 5 year warranty

KEY DATA	
Lumen Range	10213–16808
Wattage Range	112–169
Efficacy Range (LPW)	91–101
Reported Life (Hours)	60,000/L70

ORDERING GUIDE

Example: HBL-72LU-A2-5K-N-070-ND-WH

CATALOG #

HBL											070					
Model	# of LEDs		Voltage ¹		Mount		Hub		Color Temp ⁶		Distribution	Drive Current		Dimming		
HBL Severe Location High Bay	48L	48 High Performance LEDs	U	120–277V	A	Pendant	2	¾" ³	27K	2700K	N	Narrow	070	700 mA	CD	Continuous Dimming
			1	120V	C	Cone	3	1" ⁴	3K	3000K	W	Wide			ND	Non Dimming
	60L	60 High Performance LEDs	2	208V	S	Straight stanchion	4	1 ½" ⁵	35K	3500K	A	Aisle				
			3	240V	X	Ceiling ²	5	1 ½" ⁵	4K	4000K						
	72L	72 High Performance LEDs	4	277V	Y	Yoke			5K	5000K						

Colors	Options
BL Black	F(x) Fusing (replace "x" with voltage) ⁷
GR Gray	ENCA Frosted Acrylic Protective Lens
WH White	ENCG Glass Protective Lens
	OCS360 Occupancy Detector 360° Pattern ^{1,8}
	OCSA Occupancy Detector Aisle Pattern ^{1,8}
	WG Zinc Plated Wire Guard
	ENCSL Sag Lens Translucent white
	FP UL Sanitation for Food Processing
	TLRX Top Luminaire Retainer

Accessories (Order Separately)

- ☐ HOOK/LOOP Fixture Mounting Hook
- ☐ BLA-C4HLPX Cord and Plug Set
- ☐ LG250 Dual-Lite 250 VA LiteGear® Emergency Lighting Inverter
- ☐ TLRX Top Luminaire Retainer

Notes:

- 1 Voltage must be specified for Fusing and Occupancy Sensor compatibility
- 2 Ceiling Mount limited to 35°C ambient conditions
- 3 Available with A, C, X and Y Mount
- 4 Available with A, C, X Mount
- 5 Available with S Mount
- 6 See Color Temp De-Rating factors table on pg.3
- 7 F(X) Fixture fuse. Replace X with voltage:
1 = 120V, 2 = 208V, 3 = 240V, 4 = 277V
- 8 OCS unavailable with SL, ENCA or ENCG

ORDERING INFORMATION

Factory installed; order with fixture by adding suffix.

CORD, HOOK/LOOP	
-C4HL	4' Cord, Hook/Loop
-C6HL	6' Cord, Hook/Loop
-C8HL	8' Cord, Hook/Loop
-C10HL	10' Cord, Hook/Loop
-C12HL	12' Cord, Hook/Loop

CORD, HOOK/LOOP & 20A PLUG					
	Length x =	120V	208V	240V	277V
-C4HLP (X)	4'	1	2	3	4
-C6HLP (X)	6'	1	2	3	4
-C8HLP (X)	8'	1	2	3	4
-C10HLP (X)	10'	1	2	3	4
-C12HLP (X)	12'	1	2	3	4

CORD, HOOK/LOOP & 15A PLUG					
	Length x =	120V	208V	240V	277V
-C4HLP(X)-15a	4'	1	2	3	4
-C6HLP(X)-15a	6'	1	2	3	4
-C8HLP(X)-15a	8'	1	2	3	4
-C10HLP(X)-15a	10'	1	2	3	4
-C12HLP(X)-15a	12'	1	2	3	4

NOTE: 1. Plugs are Twist-Lock® type as manufactured by Hubbell Wiring Devices
2. -A (Pendants) and -C (Cone) mount only with option 2 Hubb (¾")

MOUNTING ACCESSORIES

Order separately.

Plugs are Twist-Lock® type as manufactured by Hubbell Wiring Devices.

BLA-C4HLP-1	4' Cord, Hook/Loop and 120V 20A Twist-Lock® Plug
BLA-C4HLP-4	4' Cord, Hook/Loop and 277V 20A Twist-Lock® Plug
BLA-C4HLP1-15A	4' Cord, Hook/Loop and 120V 15A Twist-Lock® Plug
BLA-C4HLP4-15A	4' Cord, Hook/Loop and 277V 15A Twist-Lock® Plug
HOOK/LOOP ¹	Hook - cast aluminum ¾" NPS male; includes safety screw; converts to Loop with strap included

¹ Cord, Hook/Loop and Plug must be added to fixture as option. Example: -C2HLP4.
NOTE: Cord used with above accessories is 16/3 SOWA 105°C NEMA configurations.

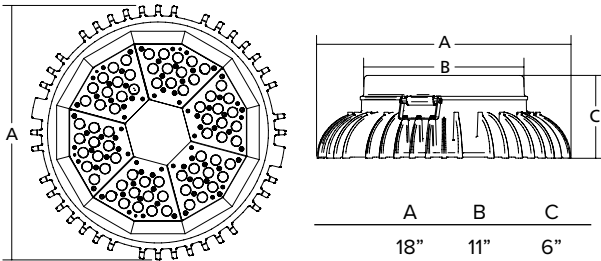
WARNING: Improper selection, installation, operation, servicing, removal, and disposal of lighting products may create serious hazards including fires, explosions, shock, burns, cuts, impaired vision, falling objects and environmental contamination. Reduce risks by using luminaire retainers/safety cables of equipment, the guidance of licensed professionals throughout the product life cycle and following individual product, component, and accessory safety instructions and labels. We offer this in the interest of safety for our customers, who may not be aware of the potentially high risk involved in the misuse of these products.

DELIVERED LUMENS

Fixture	Number of LEDs	Color Temp	Input Watts	Total Lumens	Lumens Per Watt	CRI	Ambient Temp
HBL-48LU-5K-N-070-WH	48	5000K	112	11206	100	70	55°C
HBL-48LU-5K-W-070-WH				10778	96		
HBL-48LU-5K-A-070-WH				10213	91		
HBL-60LU-5K-N-070-WH	60		139	14007	101		50°C
HBL-60LU-5K-W-070-WH				13472	97		
HBL-60LU-5K-A-070-WH				12776	92		
HBL-72LU-5K-N-070-WH	72		169	16808	99		45°C
HBL-72LU-5K-W-070-WH				16166	96		
HBL-72LU-5K-A-070-WH				15319	91		

COLOR TEMPERATURE DE-RATING FACTORS

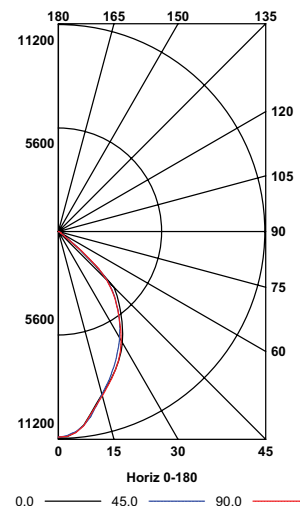
Color Temp	48 LEDs			60 LEDs			72 LEDs		
	Narrow	Aisle	Wide	Narrow	Aisle	Wide	Narrow	Aisle	Wide
5000K	11206	10213	10778	14007	12776	13472	16808	15319	16166
4000K	9301	8477	8946	11626	10604	11182	13951	12715	13418
3500K	9189	8375	8838	11486	10476	11047	13783	12562	13256
3000K	8853	8068	8515	11066	10093	10643	13278	12102	12771
2700K	8517	7762	8191	10645	9710	10239	12774	11642	12286

DIMENSIONS**PHOTOMETRY****HBL-72LU-5K-N-070-WH****LUMINAIRE DATA**

Test No.	5056_2
Description	HBL Severe Location, Highbay 18" diameter LED with custom engineered TIR optics
Delivered Lumens	14,063
Watts	162.00
Efficacy	87
Mounting	Specialty
Spacing Criterion	0° = 0.96 90° = .096

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	7098	50.5
0-40	10751	76.4
0-60	13,876	98.7
0-90	14,061	100.0
0-180	14,063	100.0

POLAR GRAPH

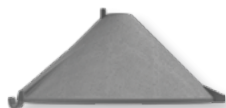
DATE:	LOCATION:
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ADDITIONAL INFORMATION

MOUNTING OPTIONS



Pendant Mount



Cone Mount



Ceiling Mount



Stanchion (0°) Mount



Yoke (0°) Mount

347V / 480V MOUNTING — Consult factory for availability

