

**tradeSELECT™**



**FEATURES**

- The HBLHA LED High Bay is designed to efficiently light 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
- UL Sanitation Certified per NSF Standards
- Ambient Temperature range from -40°C to 65°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
- 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
- 2700–5000K Color temperature (see ordering logic for details)
- 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 65°C
- 60 LED units @ -40°C TO 65°C
- 72 LED units @ -40°C TO 65°C

**CERTIFICATIONS**

- CSA Listed 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: HBLHA-72L-U-A-2-5K-N-070-WH

CATALOG #

HBLHA							070	
Model	# of LEDs	Voltage <sup>3</sup>	Mount	Hub	Color Temp <sup>7</sup>	Distribution	Drive Current	Dimming
HBLHA High Ambient LED High Bay	48L 48 High Performance LEDs <sup>1</sup>	U 120-277V 1 120V	A Pendant C Cone S Straight stanchion X Ceiling Y Yoke	2 ¾" <sup>4</sup> 3 1" <sup>5</sup> 4 1¼" <sup>6</sup> 5 1½" <sup>6</sup>	27K 2700K 3K 3000K 35K 3500K 4K 4000K 5K 5000K	N Narrow W Wide A Aisle	070 700 mA	BL Black GR Grey WH White
	60L 60 High Performance LEDs <sup>1</sup>	2 208V 3 240V 4 277V						
	72L 72 High Performance LEDs <sup>2</sup>							

WG		
Wire Guard	Options	
WG Mandatory Zinc Plated Wire Guard	ENCA	Acrylic Protective Lens
	ENCG	Glass Protective Lens
	TLRX	Top Luminaire Retainer
	F(x)	Fusing (replace "x" with voltage) <sup>8</sup>

Accessories (Order Separately)	
<input type="checkbox"/> HOOK/LOOP	Fixture Mounting Hook
<input type="checkbox"/> BLA-C4HLPX	Cord and Plug Set
<input type="checkbox"/> TLRX	Top Luminaire Retainer

Notes:

- 1 48L and 60L configurations are approved for all available mounting configurations. Mounting restrictions are not applicable when the fixture is used in a cooler or freezer.
- 2 72L configurations must be mounted at least 6" below the finished ceiling for proper thermal performance. Mounting restrictions are not applicable when the fixture is used in a cooler or freezer.
- 3 Voltage must be specified for Fusing and Occupancy Sensor compatibility.
- 4 Available with A, C, X and Y Mount
- 5 Available with A, C, X Mount
- 6 Available with S Mount
- 7 See Color Temp De-Rating factors table on pg.3
- 8 F(X) Fixture fuse. Replace X with voltage:  
1= 120V, 2 = 208V, 3 = 240V, 4 = 277V

**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
<b>NOTE:</b> Plugs are Twist-Lock® type as manufactured by Hubbell Wiring Devices	

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

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 <sup>1</sup>	Hook - cast aluminum ¾" NPS male; includes safety screw; converts to Loop with strap included
<sup>1</sup> 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.	

-C4HLP1-15a	4' Cord, Hook/Loop & 15A 120V Plug
-C6HLP1-15a	6' Cord, Hook/Loop & 15A 120V Plug
-C8HLP1-15a	8' Cord, Hook/Loop & 15A 120V Plug
-C10HLP1-15a	10' Cord, Hook/Loop & 15A 120V Plug
-C12HLP1-15a	12' Cord, Hook/Loop & 15A 120V Plug
-C4HLP4-15a	4' Cord, Hook/Loop & 15A 277V Plug
-C6HLP4-15a	6' Cord, Hook/Loop & 15A 277V Plug
-C8HLP4-15a	8' Cord, Hook/Loop & 15A 277V Plug
-C10HLP4-15a	10' Cord, Hook/Loop & 15A 277V Plug
-F(X)	Fixture fuse. Replace X with voltage: 1-120V, 2-208V, 3-240V, 4-277V
<b>NOTE:</b> Luminaire retainers/safety cables reduce risk of equipment falling	

**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.

# HBLHA

HEAVY INDUSTRIAL HIGH AMBIENT HIGH BAY

DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG #: \_\_\_\_\_

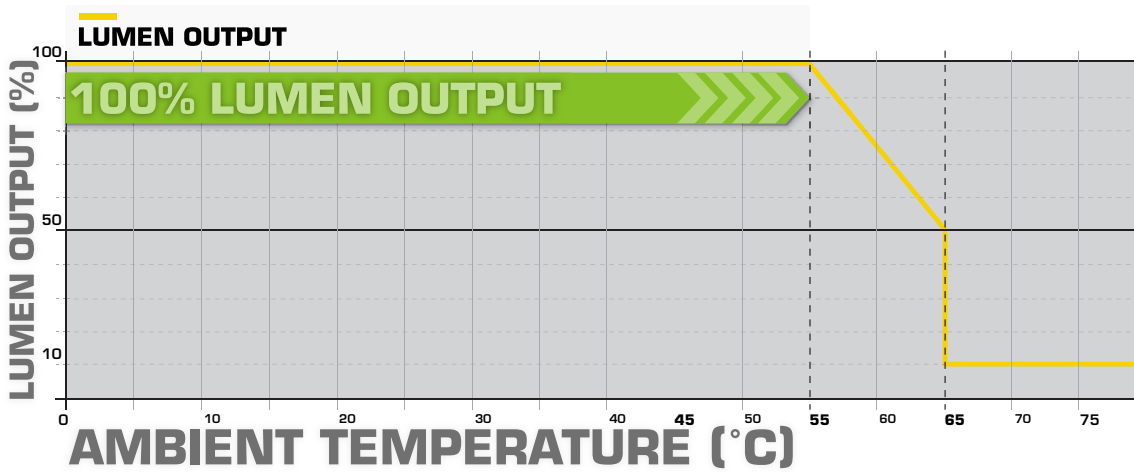
## DELIVERED LUMENS

Fixture	Number of LEDs	Color Temp	Input Watts	Total Lumens	Lumens Per Watt	Class I, Div 2	Ambient Temp
HBLHA-48LU-5K-N-070-WH	48	5000K	112	11206	100	T5	65°C
HBLHA-48LU-5K-W-070-WH				10778	96		
HBLHA-48LU-5K-A-070-WH				10213	91		
HBLHA-60LU-5K-N-070-WH	60		139	14007	101		65°C
HBLHA-60LU-5K-W-070-WH				13472	97		
HBLHA-60LU-5K-A-070-WH				12776	92		
HBLHA-72LU-5K-N-070-WH	72		169	16808	99		65°C
HBLHA-72LU-5K-W-070-WH				16166	96		
HBLHA-72LU-5K-A-070-WH				15319	91		

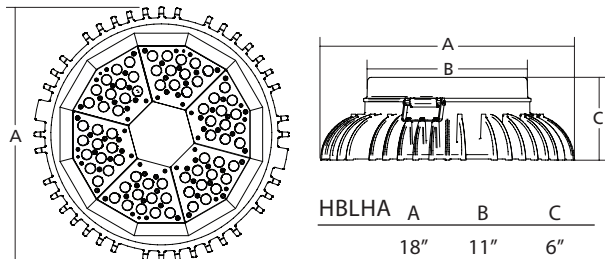
## COLOR TEMPERATURE DE-RATING FACTORS

Number of LEDs	5000K	CRI	4000K	CRI	3500K	CRI	3000K	CRI	2700K	CRI
48	1	68	0.74	80	0.77	80	0.74	80	0.72	80
60										
72										

## THERMAL PERFORMANCE MATRIX



## DIMENSIONS



DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG #: \_\_\_\_\_

**PHOTOMETRY**

**HBL-72LU-5K-N-070-WH**

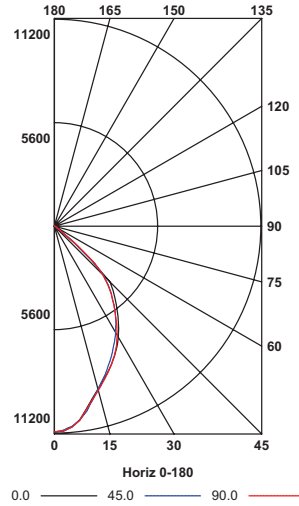
**LUMINAIRE DATA**

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**



**ADDITIONAL INFORMATION**

**MOUNTING OPTIONS**

