

# HBLH

HEAVY INDUSTRIAL HAZARDOUS LOCATION HIGH BAY

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

## FEATURES

- Designed to efficiently light classified areas in heavy industrial settings and warehouses
- High performance LED design delivering up to 100 lumens per watt
- UL Sanitation Certified per NSF Standards
- Ambient Temperature range from -40°C to 55°C
- Three distinct distributions: aisle, narrow and wide



## RELATED PRODUCTS

- Ø [UTB2](#)
- Ø [HBL](#)

## 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
- 2700–5000K Color temperature (see ordering logic for details)

### 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 Listed to UL844
- CSA Listed to UL 1598 Wet Location
- UL Sanitation Certified per NSF Standards
- Class I, Division 2, Groups A, B, C & D
- 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. [See Buy American Solutions](#)

### WARRANTY

- 5 year warranty
- See [HLI Standard Warranty](#) for additional information

KEY DATA	
Lumen Range	11,000–15,000
Wattage Range	112–169
Efficacy Range (LPW)	91–101
Reported Life (Hours)	L70 @ 60,000

**ORDERING GUIDE**

Example: HBLH-72LU-A2-5K-N-070-CD-TN

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

HBLH Model	# of LEDs	U Voltage	Mount	Hub	Color Temp <sup>4</sup>	Distribution	070 Drive Current	Dimming
HBLH Hazardous LED High Bay	48L 48 High Performance LEDs	U 120-277V	A Pendant	2 ¾" <sup>1</sup>	27K 2700K	N Narrow W Wide A Aisle	070 700 mA	CD Continuous Dimming ND Non Dimming
	60L 60 High Performance LEDs		C Cone	3 1" <sup>2</sup>	3K 3000K			
	72L 72 High Performance LEDs		S Straight stanchion	4 1¼"	35K 3500K			
			X Ceiling	5 1½" <sup>3</sup>	4K 4000K			
			Y Yoke		5K 5000K			

TN Colors	Options
TN Tan	ENCA Acrylic Protective Lens ENCG Glass Protective Lens WG Bottom Wire Guard SL Sag Lens, Clear TLRX Top Luminaire Retainer ENCSL Translucent Sag Polycarbonate Lens

- Notes:
- 1 Available with A, C, X and Y Mount
  - 2 Available with A, C, X Mount
  - 3 Available with S Mount
  - 4 See Color Temp De-Rating factors table on pg.3

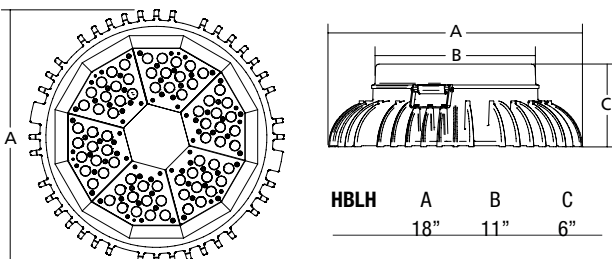
**DELIVERED LUMENS**

Fixture	Number of LEDs	Color Temp	Input Watts	Total Lumens	Lumens Per Watt	Class I, Div 2	Ambient Temp				
HBLH-48LU-5K-N-070-TN	48	5000K	112	11206	100	T5	55°C				
HBLH-48LU-5K-W-070-TN				10778	96						
HBLH-48LU-5K-A-070-TN				10213	91						
HBLH-60LU-5K-N-070-TN	60		5000K	139	14007		101	T5	50°C		
HBLH-60LU-5K-W-070-TN					13472		97				
HBLH-60LU-5K-A-070-TN					12776		92				
HBLH-72LU-5K-N-070-TN	72			5000K	169		16808		99	T5	45°C
HBLH-72LU-5K-W-070-TN							16166		96		
HBLH-72LU-5K-A-070-TN							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										

**DIMENSIONS**



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## PHOTOMETRY

### HBLH60LU5KW070WH

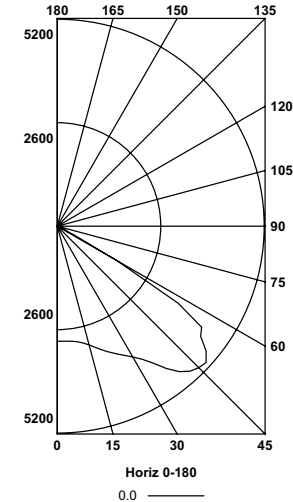
#### LUMINAIRE DATA

Test No.	7183
Description	HBLH Classified Location, Extreme Environment, 18" diameter LED with custom engineered wide TIR optics
Delivered Lumens	13,352
Watts	142.20
Efficacy	94
Mounting	Specialty
Spacing Criterion	0° = 2.10 90° = 2.10

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	2808	21.0
0-40	5481	41.0
0-60	12,871	96.4
0-90	13,352	100.0
0-180	13,352	100.0

#### POLAR GRAPH



### HBLH60LU5KA070WH

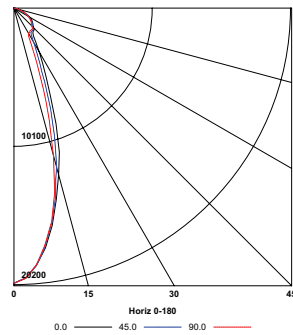
#### LUMINAIRE DATA

Test No.	7181
Description	HBLH Classified Location, Extreme Environment, 18" diameter LED with custom engineered wide TIR optics
Delivered Lumens	12,842
Watts	142.00
Efficacy	90
Mounting	Specialty
Spacing Criterion	0° = 0.60 90° = 0.53

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	7155	55.7
0-40	8613	67.1
0-60	11,464	89.3
0-90	12,842	100.0
0-180	12,842	100.0

#### POLAR GRAPH



## ADDITIONAL INFORMATION

### MOUNTING OPTIONS



Pendant Mount



Cone Mount



Ceiling Mount



Stanchion (0°) Mount



Yoke (0°) Mount

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