

# HBLH

HEAVY INDUSTRIAL HAZARDOUS LOCATION HIGH BAY

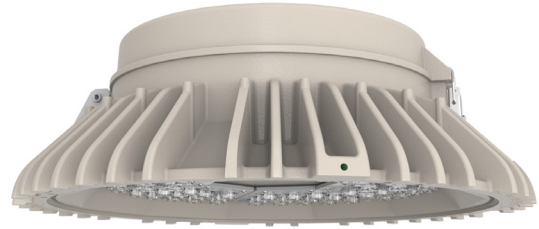
DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

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



## 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.

### WARRANTY

- 5 year warranty

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

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**ORDERING GUIDE**

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

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

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

TN	Colors	Options
<b>TN</b> Tan		<b>ENCA</b> Acrylic Protective Lens <b>ENCG</b> Glass Protective Lens <b>WG</b> Bottom Wire Guard <b>SL</b> Sag Lens, Clear <b>TLRX</b> Top Luminaire Retainer <b>ENCSL</b> 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

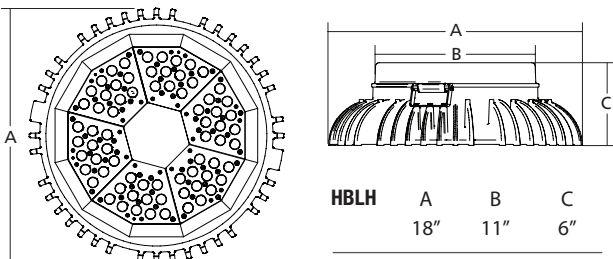
**DELIVERED LUMENS**

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**



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

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**PHOTOMETRY**

**HBLH60LU5KW070WH**

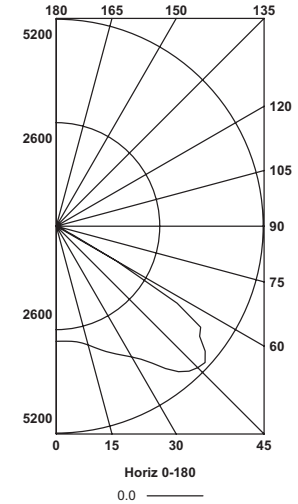
**LUMINAIRE DATA**

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**

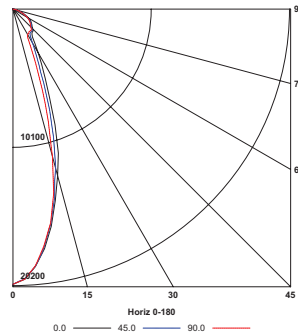
**LUMINAIRE DATA**

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**

