

HBLH SERIES HAZARDOUS LED FLOOD



HUBBELL
Industrial Lighting

CAT.#		APPROVALS
JOB	TYPE	

SPECIFICATIONS

Applications -

Designed to efficiently light classified areas in heavy industrial settings and warehouses.

Construction -

- High performance LED design delivering up to 100 lumens per watt
- Specialized thermal management allows up to 55°C ambient temperature ratings
- LED count ranges from 72 to 60 to 48 and all three LED counts are driven at 700 mA
- Minimum operating temperature of -40°C
- **Fixture weight:** 29 lbs. **Shipped weight:** 33 lbs.

Optic System -

- Custom engineered LED optics
- Three distinct distributions: Aisle, Narrow and Wide

LED Light Engine -

- High output LEDs
- 60,000 hours, long life @ L70
- 2700-5000°K Color temperature - See ordering logic for details
- 68 CRI for 5000°K color, all others are 80 CRI

LED Driver -

- 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 to 10v dimmable drivers
- FCC 47CFR Part 15 Class B Compliant

Thermal Performance -

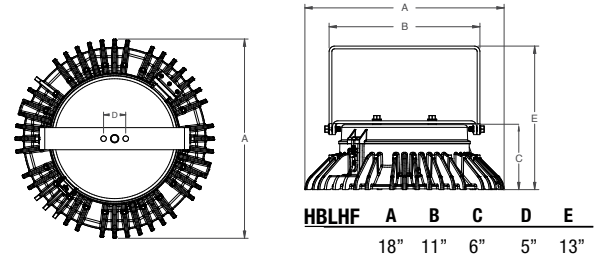
- 48 LED units @ -40°C TO 55°C
- 60 LED units @ -40°C TO 50°C
- 72 LED units @ -40°C TO 45°C

Certifications -

- CSA Listed to UL844
- CSA Listed to UL1598 Wet Location
- Wet Location listed up to 90 degrees



DIMENSIONS



- Damp location listed at greater than 90 degrees mounting angle
- 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 -

- Five years from date of purchase

Aiming Angle Limitations -

- Not to be aimed greater than 40° above horizontal



See Certification Specifications

ORDERING INFORMATION

ORDERING EXAMPLE: HBLH-72L-U-Y-2- - - 070 - - TN -

HBLH	-		-	U	-	Y	-	2	-		-	070	-		-	TN	-			
Series		# of LEDs		Voltage		Mount		Hub		Color Temp		Distribution		Drive Current		Dimming		Colors		Options

SERIES

HBLH LED High Bay Series

NUMBER OF LEDs

48L 48 High Performance LEDs

60L 60 High Performance LEDs

72L 72 High Performance LEDs

VOLTAGE

U 120 - 277

MOUNT

Y Yoke

HUB

2 3/4" Hub

COLOR TEMPERATURE

27K 2700° K

3K 3000° K

35K 3500° K

4K 4000° K

5K 5000° K

NOTE: See color temperature de-rating factors table on pg.2

DISTRIBUTION

N Narrow

W Wide

A Aisle

DRIVE CURRENT

070 700MA

DIMMING

CD Continuous Dimming

ND Non-Dimming

COLORS

TN Tan

OPTIONS

ENCA Acrylic Protective Lens

ENCG Glass Protective Lens

WG Bottom Wire Gaurd

SL Sag Lens, Clear

IP66 Requires Glass Bottom Lens

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LED SYSTEM INFORMATION

CATALOG NUMBER	INPUT WATTS	LEDS	COLOR TEMPERATURE	CRI	TOTAL LUMENS	LUMENS PER WATT	AMBIENT TEMPERATURE	CLASS I DIV 2
HBLH-48LU-5K-N-070-WH	112	48	5000°K	68	11206	100	55°C	T5
HBLH-48LU-5K-W-070-WH	112	48	5000°K	68	10778	96	55°C	T5
HBLH-48LU-5K-A-070-WH	112	48	5000°K	68	10213	91	55°C	T5
HBLH-60LU-5K-N-070-WH	139	60	5000°K	68	14007	101	50°C	T5
HBLH-60LU-5K-W-070-WH	139	60	5000°K	68	13472	97	50°C	T5
HBLH-60LU-5K-A-070-WH	139	60	5000°K	68	12776	92	50°C	T5
HBLH-72LU-5K-N-070-WH	169	72	5000°K	68	16808	99	45°C	T5
HBLH-72LU-5K-W-070-WH	169	72	5000°K	68	16166	96	45°C	T5
HBLH-72LU-5K-A-070-WH	169	72	5000°K	68	15319	91	45°C	T5

COLOR TEMPERATURE DE-RATING FACTORS

NUMBER OF LEDES	5000K	CRI	4000K	CRI	3500K	CRI	3000K	CRI	2700K	CRI
48	1.00	68	0.74	80	0.77	80	0.74	80	0.72	80
60										
72										

HAZARDOUS LED FLOOD - HBLH SERIES

PHOTOMETRIC REPORT

REPORT NUMBER: HBL72LU5KN070

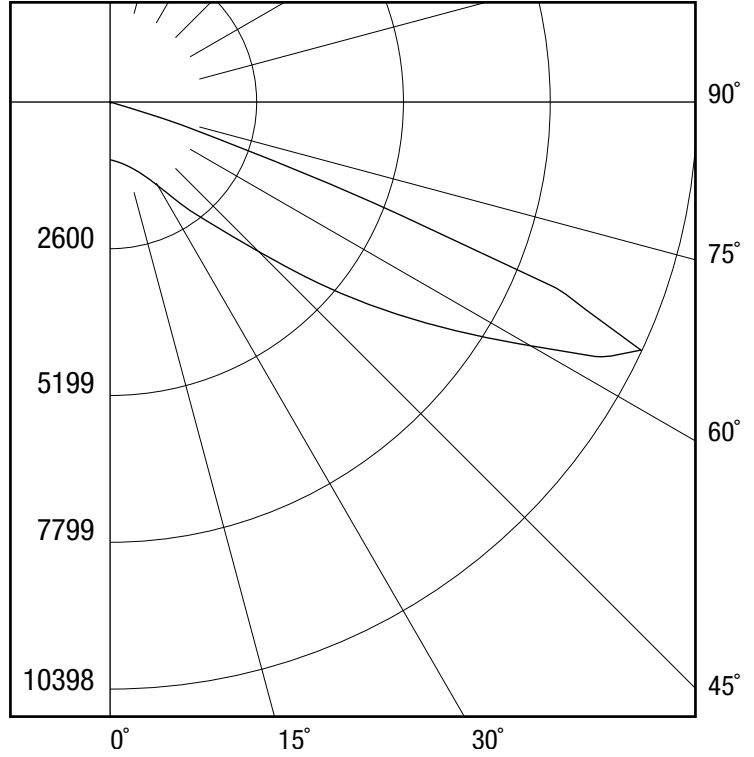
ISSUE DATE: 04/03/12

LUMINANCE DATA (cd/sq.m)

ANGLE IN DEGREES	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
45	124163	108788	108147
55	8759	10769	10159
65	4823	4239	6675
75	3500	4694	3898
85	4252	4489	4961

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0-30	8502.49	50.50
0-40	12880.45	76.50
0-60	16619.62	98.70
0-90	16841.06	100.00
0-180	16844.05	100.00



PHOTOMETRIC REPORT

REPORT NUMBER: HBL72LU5KW070

ISSUE DATE: 09/27/12

LUMINANCE DATA (cd/sq.m)

ANGLE IN DEGREES	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
45	86909	86909	93251
55	93251	93251	10159
65	4618	4618	4618
75	2060	2060	2060
85	808	808	808

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0-30	3441	21.3
0-40	6709	41.5
0-60	15645	96.7
0-90	16174	100.00
0-180	16174	100.0

