

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

HBL Flood

HEAVY INDUSTRIAL FLOOD LIGHT

FEATURES

- The HBL Flood Light offers flexibility to fit all of your tough industrial flood lighting applications
- Three lumen packages and a Spot and Flood beam
- 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
- Narrow and wide distribution options available



RELATED PRODUCTS

- Ø [UTB2](#)
- Ø [CRN](#)

SPECIFICATIONS

CONSTRUCTION

- Rugged low copper alloy aluminum die-cast design coupled with a heavy duty yoke
- 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.
- Vibration tested to 3G for 100K cycles

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 more information)
- 68 CRI

ELECTRICAL

- High output LEDs
- 60,000 hours, long life at L70
- 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

CERTIFICATIONS

- CSA tested to UL 1598 Wet Location, IP56
- Wet Location listed up to 90 degrees
- Damp location listed at greater than 90 degrees mounting angle
- 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	8191–16808
Wattage Range	112–169
Efficacy Range (LPW)	96–101
Reported Life (Hours)	60,000/L70

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ORDERING GUIDE

Example: HBL-72LU-Y2-5K-N-070-ND-WH

CATALOG # _____

HBL			Y	2			070	
Model	# of LEDs	Voltage ¹	Mount	Hub	Color Temp ²	Distribution	Drive Current	Dimming
HBL High Bay HBL Series	48L 48 High Performance LEDs	U 120-277V 1 120V	Y Yoke	2 ¾"	27K 2700K 3K 3000K 35K 3500K 4K 4000K 5K 5000K	N Narrow W Wide	070 700 mA	CD Continuous Dimming ND Non Dimming
	60L 60 High Performance LEDs	2 208V 3 240V						
	72L 72 High Performance LEDs	4 277V						

Colors	Options
BL Black	F(x) Fusing (replace "x" with voltage) ³
GR Gray	ENCA Frosted Acrylic Protective Lens
WH White	ENCG Glass Protective Lens
	WG Zinc Plated Wire Guard
	SL Sag Lens Translucent white
	FP UL Sanitation for Food Processing

Accessories (Order Separately)

- LG2S Dual-Lite 250 VA LiteGear® Emergency Lighting Inverter

Notes:

- 1 Voltage must be specified for Fusing and Occupancy Sensor compatibility
- 2 See Color Temp De-Rating factors table on pg.3
- 3 F(X) Fixture fuse. Replace X with voltage:
1 = 120V, 2 = 208V, 3 = 240V, 4 = 277V

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	68	55°C
HBL-48LU-5K-W-070-WH				10778	96		
HBL-60LU-5K-N-070-WH	60		139	14007	101		50°C
HBL-60LU-5K-W-070-WH				13472	97		
HBL-72LU-5K-N-070-WH	72		169	16808	99		45°C
HBL-72LU-5K-W-070-WH				16166	96		

COLOR TEMPERATURE DE-RATING FACTORS

Color Temp	48 LEDs		60 LEDs		72 LEDs	
	Narrow	Wide	Narrow	Wide	Narrow	Wide
5000K	11206	10778	14007	13472	16808	16166
4000K	9301	8946	11626	11182	13951	13418
3500K	9189	8838	11486	11047	13783	13256
3000K	8853	8515	11066	10643	13278	12771
2700K	8517	8191	10645	10239	12774	12286

HBL Flood

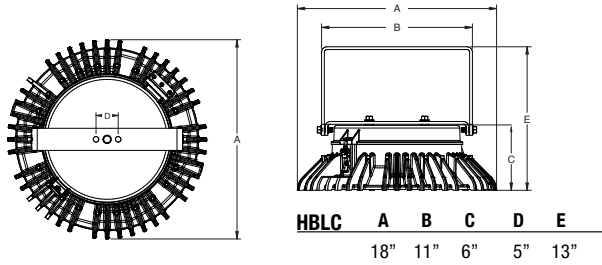
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DIMENSIONS



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

