

| | |
|------------|-----------|
| DATE: | LOCATION: |
| TYPE: | PROJECT: |
| CATALOG #: | |

HBLH Flood

HEAVY INDUSTRIAL HAZARDOUS LOCATION FLOOD LIGHT

FEATURES

- Designed to efficiently light classified areas in heavy industrial settings and warehouses
- High performance LED design delivering up to 101 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



tradeSELECT®



RELATED PRODUCTS

- Ø [UTB2](#)
- Ø [HBL](#)
- Ø [CRN](#)

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.
- Not to be aimed greater than 40° above horizontal

OPTICS

- Custom engineered LED optics
- 2700–5000K Color temperature (see ordering logic for details)
- 68 CRI for 5000°K color, all others are 80 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

CONTROLS

- Dimming control sensor for occupancy and ambient light level detection

CERTIFICATIONS

- CSA Listed to UL844
- CSA Listed to UL 1598 Wet Location
- Wet Location listed up to 90 degrees
- 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

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

| KEY DATA | |
|-----------------------|-------------|
| Lumen Range | 10213–16808 |
| Wattage Range | 112–169 |
| Efficacy Range (LPW) | 91–101 |
| Reported Life (Hours) | 60,000/L70 |

HBLH Flood

HEAVY INDUSTRIAL HAZARDOUS LOCATION FLOOD LIGHT

DATE: _____ LOCATION: _____

TYPE: _____ PROJECT: _____

CATALOG #: _____

ORDERING GUIDE

Example: HBLH-72L-U-Y-2-5K-N-070-TN

CATALOG # _____

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

| WH | Options |
|---------------|--|
| Colors | |
| WH White | ENCA Acrylic Protective Lens |
| | ENCG Glass Protective Lens |
| | WG Bottom Wire Guard |
| | SL Sag Lens, Clear |
| | IP66 Requires Glass Bottom Lens |

Notes:
1 See Color Temp De-Rating factors table on pg.2

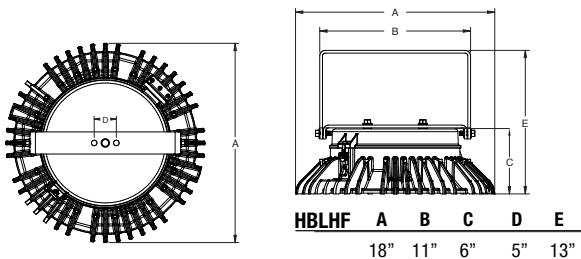
DELIVERED LUMENS

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

DIMENSIONS



HBLH Flood

HEAVY INDUSTRIAL HAZARDOUS LOCATION FLOOD LIGHT

PHOTOMETRY

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

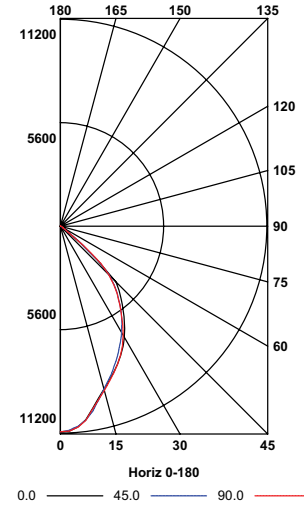
LUMINAIRE DATA

| | |
|-------------------|---|
| 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



All product and company names, logos and product identifiers are trademarks ™ or registered trademarks ® of Hubbell Lighting, Inc. or their respective owners. Use of them does not necessarily imply any affiliation with or endorsement by such respective owners.