

HBLC SERIES SEVERE LOCATION LED HIGH BAY



HUBBELL
Industrial Lighting

CAT.#	APPROVALS
JOB	TYPE

SPECIFICATIONS

Applications

The HBLC LED High Bay is specifically designed to be used on heavy industrial bridge cranes while utilizing AC or DC input voltage. Custom engineered LED optics provide evenly distributed light for bridge crane operators and others working under the crane for increased visibility and safety.

Construction -

- High performance LED design delivering up to 100 lumens per watt
- Specialized thermal management allows up to 60°C ambient temperature ratings
- Vibration tested at 3G in 3 Axis for 100,000 cycles
- LED count is 72 and is driven at 700 mA
- Minimum operating temperature of -40°C
- Direct electrical connection to crane with 250V DC or 120V AC - 277V AC and built in surge protection
- Fixture weight: 29 lbs. Shipped weight: 33 lbs.
- Special heavy duty latch

Optics/Electrical System -

- Custom engineered LED optics providing optimally controlled and evenly distributed light
- Sealed optic for long life and durability

LED Light Engine -

- High output LEDs
- 60,000 hours, long life at L70
- 5000°K Color Temperature
- 68 CRI

Thermal Performance -

- -40°C TO 60°C

Certifications -

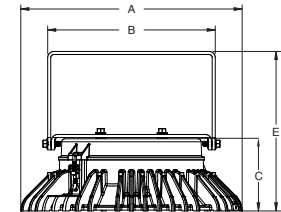
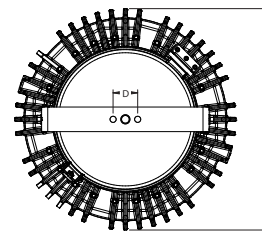
- Tested to UL1598A wet location
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 06/01/2020. [See Buy American Solutions](#)

Warranty -

- Five years from date of purchase when used on supply AC power
- One year from date of purchase when used on supply DC power



DIMENSIONS



HBLC	A	B	C	D	E
	18"	11"	6"	5"	13"



See Certification Specifications

ORDERING INFORMATION

ORDERING LOGIC: HBLC-72L-U-Y-2-N-GR-WG-R12

HBLC	-	72L	-	U	-	Y	-	2	-	N	-	GR	-	WG	-	R12
Series		# of LEDs		Voltage		Mount		Hub		Distribution		Color		Wire Guard		Top Luminaire Retainer 12'

ACCESSORIES

HBLC-C10P3 10' Cord and 250V Plug

HBLC-TLR10 Top Luminaire Retainer 10'

Note: Standard fixture includes WG and R12. Consult factory for other options.

LED Driver -

CIRCUIT LOADING INFORMATION

120v - 277v AC	170v - 390v DC
1.50 amps @ 120v 60 Hz	1.10 amps @ 170 VDC
0.75 amps @ 240v 60 Hz	0.80 amps @ 250 VDC
0.65 amps @ 277v 60 Hz	0.50 amps @ 390 VDC
Power factor greater than 0.90	Power Factor N/A on DC

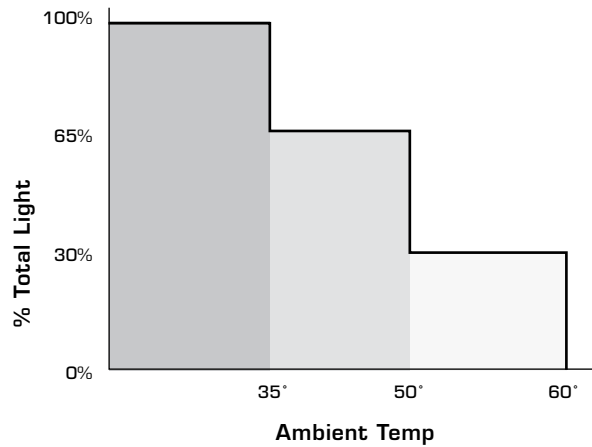
LED SYSTEM INFORMATION

CATALOG NUMBER	NUMBER OF LED's	COLOR TEMPERATURE	WATTS	TOTAL LUMENS	LUMENS PER WATT	CRI
HBLC-72LU-Y2-N-GR-WG-R12	72	5000°K	169	16808	99	68

DESIGNED FOR TOUGH HIGH-AMBIENT BRIDGE CRANE APPLICATIONS

Crane Light Thermal Protection

- Full Light Output up to 35°C
- 65% Light Output 35°C - 50°C
- 30% Light Output 50°C - 60°C



PHOTOMETRIC REPORT

REPORT NUMBER: HBLC72LUNWG

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
0-20	4305.42	25.60
0-30	8502.49	50.50
0-40	12880.45	76.50
0-60	16619.62	98.70
0-80	16809.51	99.80
0-90	16841.06	100.00
10-90	15624.82	92.80
20-40	8575.03	50.90
20-50	11872.07	70.50
40-70	3847.18	22.80
60-80	189.90	1.10
70-80	81.88	0.50
80-90	31.55	0.20
0-180	16844.05	100.00

