

HBLC SERIES SEVERE LOCATION LED HIGHBAY



CAT.#		APPROVALS
JOB	TYPE	

SPECIFICATIONS

Applications

The HBLC LED Highbay 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
- 100,000 hours, long life at L70
- 5000°K Color Temperature
- 68 CRI

Thermal Performance -

- -40°C TO 60°C

Listings -

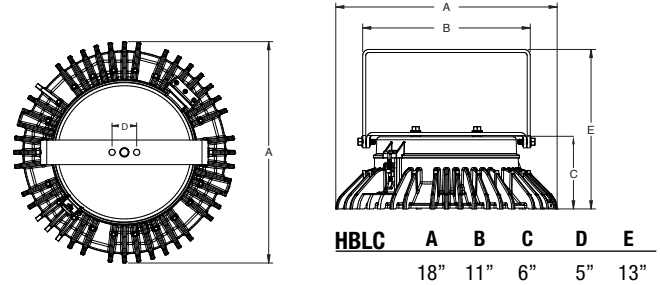
- Tested to UL1598A wet location

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



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

ORDERING INFORMATION

ORDERING EXAMPLE: HBLC-72L-U-Y-2-N-GR-WH

HBLC	-	72L	-	U	-	Y	-	2	-	N	-	GR	-	WG
Series		# of LEDs		Voltage		Mount		Hub		Distribution		Color		Wire Guard

ACCESSORIES

HBLC-C10P3	10' Cord and 250V Plug
HBLC-TLR10	Top Luminaire Retainer 10'
R12	Luminaire Retainer

HIGHBAY HBLC SERIES - SEVERE LOCATION

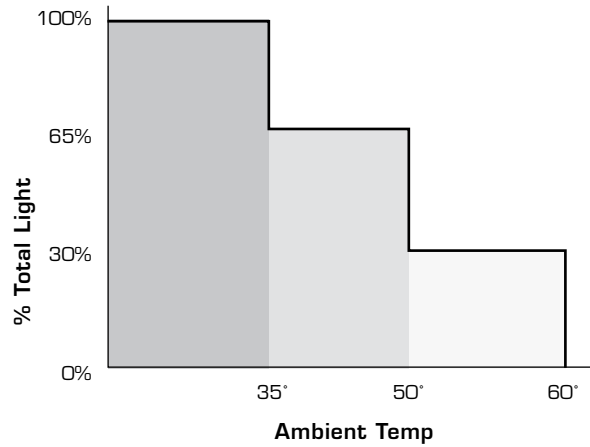
LED SYSTEM INFORMATION

CATALOG NUMBER	NUMBER OF LED's	COLOR TEMPERATURE	WATTS	TOTAL LUMENS	LUMENS PER WATT	CRI
HBLC-72L-U-Y-2-N-GR-VWH	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

