

HB03 Induction Highbay Series



DISC INDUCTION GENERATOR
CIRCULAR INDUCTION
 120W – 250W
MOUNTING HEIGHT
 10' TO 40'
DIMMING WATTAGES
 CIRCULAR 150W-250W

The **HB03 Induction Highbay Series** can be used in a variety of applications including manufacturing, gymnasiums, warehouse facilities, exhibition halls, industrial, and commercial environments. Optimized for heights of 10ft to 40ft. Highly polish aluminum housing for higher illumination and an even distribution with the polycarbonate lens. The Induction system operates well in cold temperatures with an instant ON/re-strike capability. The long life and superior lumen maintenance of Induction significantly reduces maintenance costs and provides a significant reduction in the total cost of ownership.

APPLICATION -

- Manufacturing
- Gymnasiums
- Warehouse
- Intended use for Replacements of HID Luminaire

- Exhibition Hall
- Large Area Retail
- Industrial

CONSTRUCTION -

- Aluminum Housing, Vacuum Coated Inner Surface
- Disc Generator – Externally Mounted (IP43), Powder Coated White (Standard)
- Aluminum Finish

- Polycarbonate Lens (Available Without Lens Upon Request)
- Pendant Mount or Hook

ELECTRICAL -

- Universal Voltage (120V – 277V)
- High Power Factor (>.95)
- Ambient Temperature Rating: -20°C to 40°C
- Input Frequency: 50/60 Hz
- Operating Frequency: 250 kHz
- Generator Type: Class P Type 1 outdoor, IP43
- Step Down Transformer Voltage: 347V/480V to 277V
- CE: 208V-240V

- Pre-Wired Output Connector (Plug and Play)
- Constant Wattage Output With Less Than 3% Variance
- No Variation Over a Wide Range of Temperatures and Voltage Fluctuation
- Instant On
- No Noise Compare to HID Systems
- THD %: < 10%

LAMP TYPE/WATTAGES -

- Circular Induction Lamps Available: 120W, 150W, 200W, 250W, 300W
- CRI >80
- Wide Range of Color Temperature Options 2700K – 6500K Available
- Pre-Wired Input Connector
- Vibration and Shock Resistant: No Filament

- Standard Kelvin Temperature is 5000K: Provides a Cooler Color Temperature
- Low Lumen Depreciation, >70% Lumen Maintenance at 60,000 Hours

COMPLIANCE -

- UL listed – UL 1598 (E363375)
- cUL listed – UL 1598 (E363375)
- CE listed: 120W, 150W, 200W, 250W

- IP20: For use in Dry Locations only
- Surge Immunity – IEC 61000-4-5: Class 4
- FCC Part 18-A

DIMMING INDUCTION GENERATOR SPECIFICATIONS -

- Dimming interface is electrically isolated for safety and reliability
- Dimmable Induction generator can work as a regular generator to drive the lamp at full range when the 0-10V interface is not connected.
- The output wattage is about 50% at 0-3VDC.
- The output wattage is dimmed from 100% to 50% at the 9-3VDC.
- Dimming wires: Violet (+), Gray (-)
- The output wattage is 100% at 9-10VDC.

- The output wattage is at the 100% range when the system is power ON. If the system is set on a dim level then it will dim within 30 seconds.
- Shorting the two dimming wires (Violet and Gray) sets the system to the lowest dim level of 50%, acting as a bi-level dimming system.

OPTICS -

- Polycarbonate Lens
- High Reflectance Aluminum Housing

- Type V Distribution

WARRANTY -

- Five-year Limited Warranty

NOTE:
 1 Consult with your sales representative for availability.
 2 Consult with your sales representative for lead time.
 3. Dimming Generator, No Sensor included

Actual performance may differ as a result of end-user environment and application.
 Note: Specifications subject to change without notice.

ORDERING OPTIONS

Lead times will vary depending on options selected. Consult with your sales representative.

TYPE	SERIES	LAMP	WATTAGE	LENS	REFRACTOR DIA	ORDERING OPTIONS
HB = HIGHBAY	03 = 03 SERIES	C = CIRCULAR	120 = 120W 150 = 150W 200 = 200W 250 = 250W	BLANK = NO LENS P = POLYCARBONATE	22"	M = 0-10V Dimming ³ BLANK = 5000K 27 = 2700K 30 = 3000K 40 = 4000K 60 = 6000K 65 = 6500K Z = CE ¹

Example: HB-03-C200-P-22 (Highbay 03 series Circular 200W lamp with 22" Polycarbonate lens)

ACCESSORIES

DESCRIPTION:	PART NUMBER:
STEP DOWN TRANSFORMER	
35W - 100W	HH-ILS-SD1-125VA
120W - 200W	HH-ILS-SD2-245VA
250W - 400W	HH-ILS-SD3-460VA
STEP-DOWN TRANSFORMER HOUSING KIT	
Housing for all three transformer options	HHILPQ32840
WIRE GUARD (with PC lens only)	
150W/200W/250W	ILASGBL
HIGHBAY PERFORMANCE REFLECTOR	
150W/200W/250W	HHILPF00020

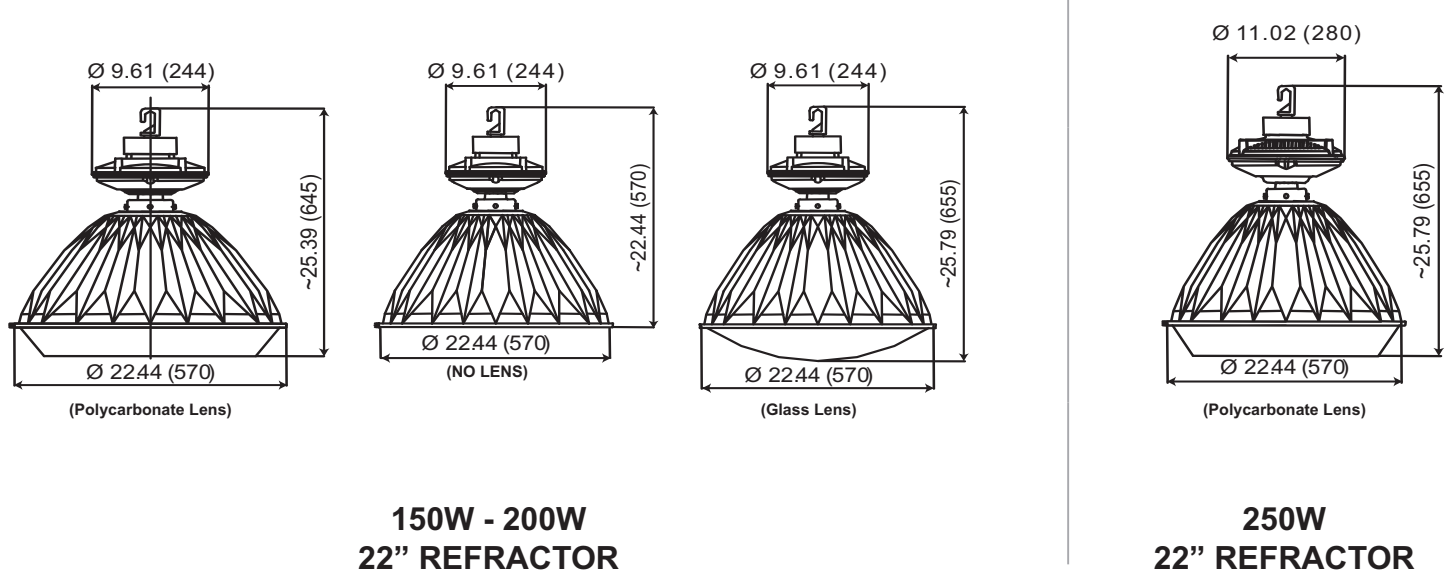
ELECTRICAL CHARACTERISTICS

MODEL NO.	RATED WATTAGE (W)	INPUT POWER (W)	INPUT CURRENT 120V - 277V (AMP)	LAMP RATED INITIAL LUMINANCE (LM)	EFFICACY (LM/W)	LUMEN MAINTENANCE	COLOR RENDERING INDEX	CCT (KELVIN)
HB03-C120-P-22 HB03-C120-22	120	126	1.05 - 0.45	9600	75 - 80	70%-75%	> 80	5000
HB03-C150-P-22/M HB03-C150-22/M	150	158	1.32 - 0.57	12750	80 - 85			
HB03-C200-P-22/M HB03-C200-22/M	200	210	1.75 - 0.76	17000	80 - 85			
HB03-C250-P-22/M HB03-C250-22/M	250	263	2.19 - 0.95	22500	85 - 90			

Mechanical Data

NOTE: PENDANT MOUNT IS FOR A 3/4" THREADED PIPE

HOOK OR PENDANT MOUNT

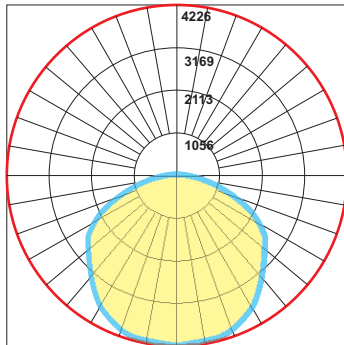


All dimensions are shown in inches (millimeters) unless otherwise noted.

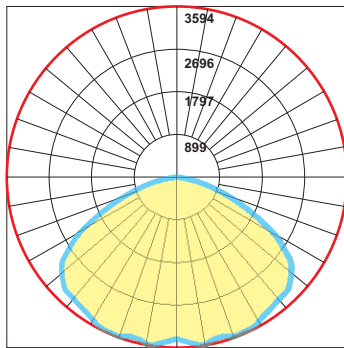
Photometric Data

IES files available upon request.

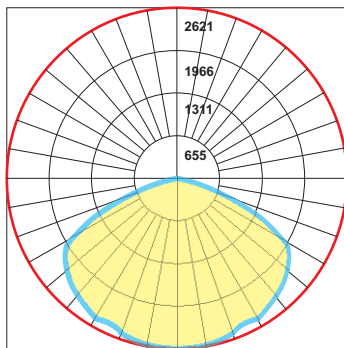
POLAR GRAPH



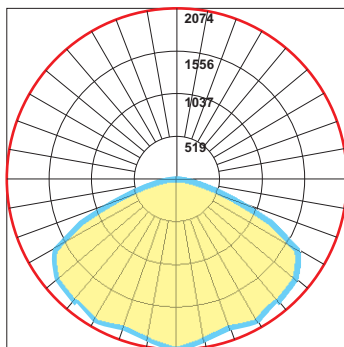
HB03-C250-P-22/M



HB03-C200-P-22/M



HB03-C150-P-22/M



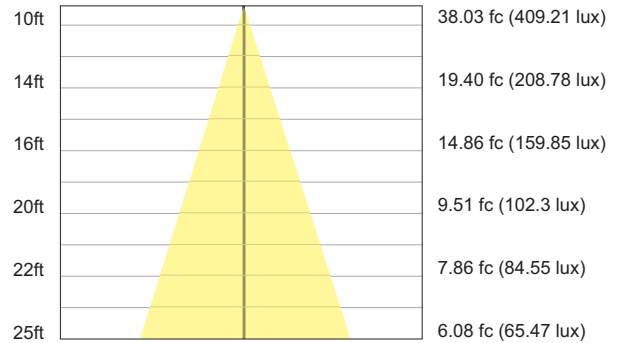
HB03-C120-P-22

Located At Horizontal Angle = 0, Vertical Angle = 10

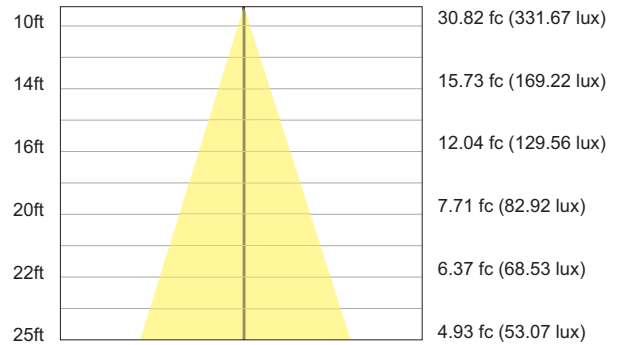
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)

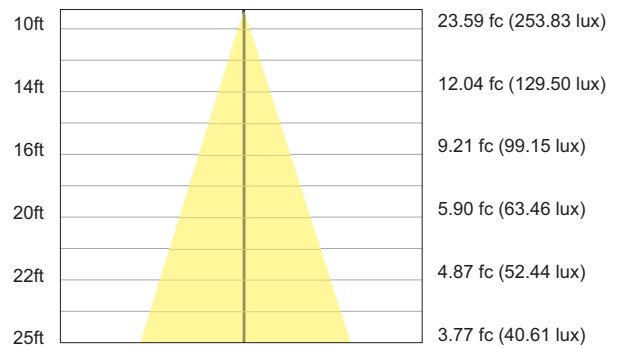
ILLUMINANCE AT DISTANCE



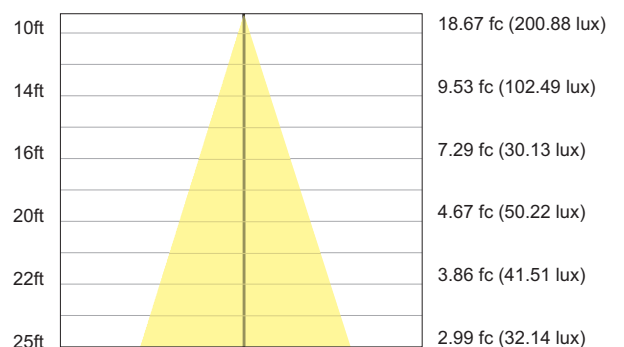
HB03-C250-P-22/M



HB03-C200-P-22/M



HB03-C150-P-22/M



HB03-C120-P-22