

Basic Collection

HIGHBAYS / LOWBAYS

Discontinued
Contact Fulham for availability. Not for use in new designs.



HB04 Induction Highbay Series



DISC INDUCTION GENERATOR

CIRCULAR INDUCTION
70W – 100W

MOUNTING HEIGHT
8' TO 14'

The **HB04 Induction Highbay Series** can be used in a variety of applications including manufacturing, gymnasiums, warehouse facilities, exhibition halls, industrial, and commercial environments. A low profile high bay for lower applications and wattage. Optimize for heights of 8ft to 14ft. High purity aluminum housing reflector for higher reflectivity. 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
- 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: 208-240V

- 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: 70W, 80W, 100W
- Standard Kelvin Temperature is 5000K: Provides a Cooler Color Temperature
- CRI >80
- Wide Range of Color Temperature Options 2700K – 6500K Available

- Pre-Wired Input Connector
- Low Lumen Depreciation, >70% at Lumen Maintenance 60,000 Hours
- Vibration and Shock Resistant: No Filament

COMPLIANCE -

- UL listed – UL 1598 (E363375)
- cUL listed – UL 1598 (E363375)
- CE listed: 70W, 80W, 100W

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

OPTICS -

- Polycarbonate Lens
- High Reflectivity Aluminum Housing

- Type V Distribution

WARRANTY -

- Five-year Limited Warranty

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

NOTE:
1 Consult with your sales representative for availability.
2 Consult with your sales representative for lead time.

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	04 = 04 SERIES	C = CIRCULAR	070 = 070W 080 = 080W 100 = 100W	BLANK = NO LENS P = POLYCARBONATE	16" 16" 16"	BLANK = 5000K 27 = 2700K 30 = 3000K 40 = 4000K 60 = 6000K 65 = 6500K Z = CE ¹

Example: HB-04-C100-P-16 (Highbay 04 series Circular 100W lamp with 16" 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



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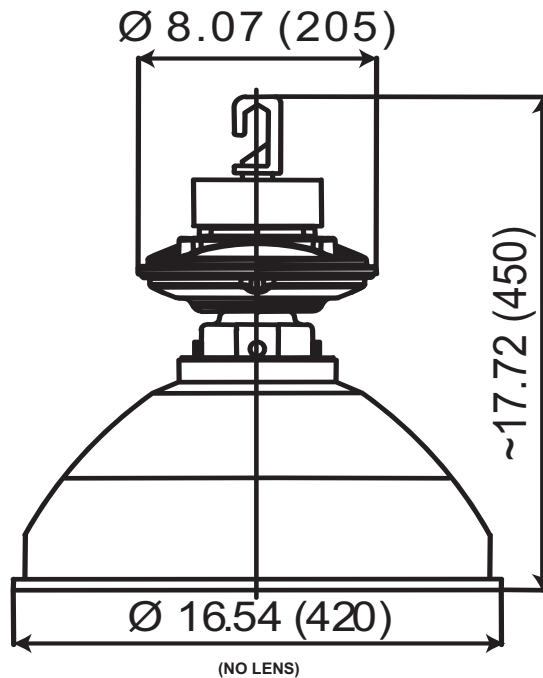
ELECTRICAL CHARACTERISTICS

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)
HB04-C070-P-16 HB04-C070-16	70	74	0.62 - 0.27	5250	70 - 75	70%-75%	> 80	5000
HB04-C080-P-16 HB04-C080-16	80	84	0.70 - 0.30	6000	70 - 75			
HB04-C100-P-16 HB04-C100-16	100	105	0.88 - 0.38	8000	75 - 80			

Mechanical Data

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

HOOK OR PENDANT MOUNT



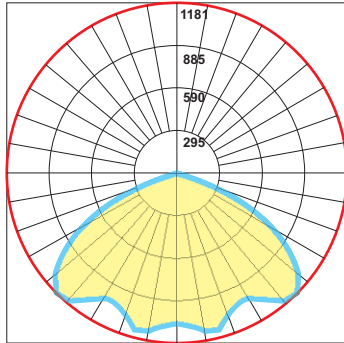
FRONT VIEW

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

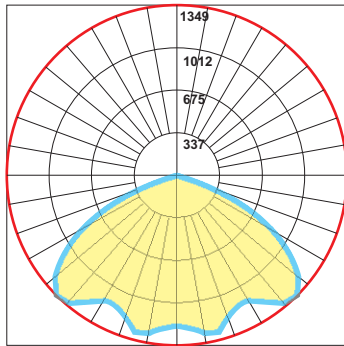
Photometric Data

IES files available upon request.

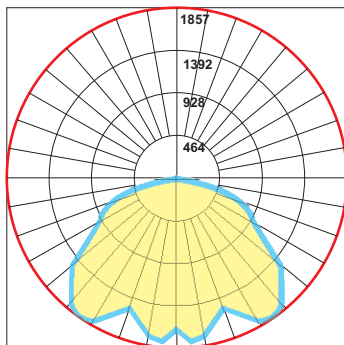
POLAR GRAPH



HB04-C070-P-16

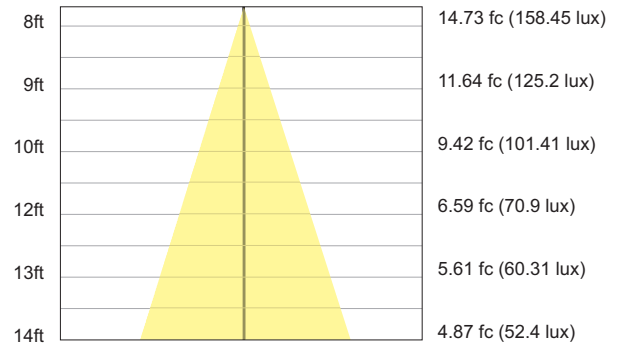


HB04-C080-P-16

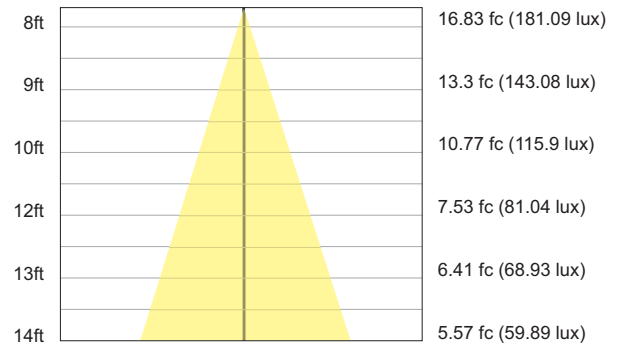


HB04-C100-P-16

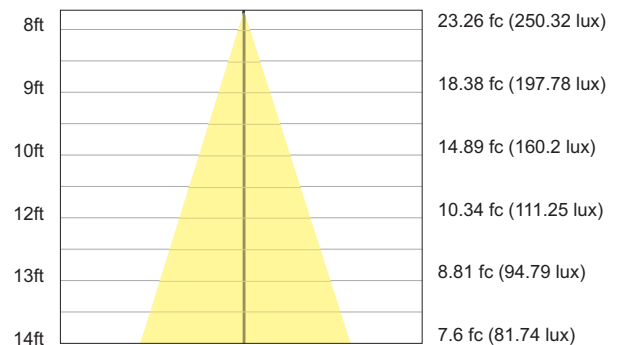
ILLUMINANCE AT DISTANCE



HB04-C070-P-16



HB04-C080-P-16



HB04-C100-P-16

Located At Horizontal Angle = 0, Vertical Angle = 35
 # 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
 # 2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)