

# Basic Collection

HIGHBAYS / LOWBAYS

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



## HB07 Induction Highbay Series



DISC INDUCTION GENERATOR

CIRCULAR INDUCTION  
150W – 250W

MOUNTING HEIGHT  
8' TO 30'

DIMMING WATTAGES  
CIRCULAR 150W-250W

The **HB07 Induction Highbay Series** can be used in a variety of applications including stadiums, workshop, warehouse, airport, railway station, exhibition hall, and supermarket. Optimized for heights of 8ft to 30ft. A more stylish low profile series and a slick unique shape design with high temperature resistant polycarbonate cover. 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 -**

- Stadiums
- Workshops
- Warehouse
- Intended use for Replacements of HID Luminaire

- Railway Station
- Supermarket
- Airports
- Exhibition Hall

**CONSTRUCTION -**

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

- Polycarbonate Lens
- Pendant Mount or Hook
- Aluminum Finish

**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: 150W, 200W, 250W
- Standard Kelvin Temperature is 5000K: Provides a Cooler Color Temperature
- Wide Range of Color Temperature Options 2700K – 6500K Available
- CRI >80

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

**COMPLIANCE -**

- UL listed – UL 1598 (E363375)
- cUL listed – UL 1598 (E363375)
- CE listed: 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.

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

### ORDERING OPTIONS

TYPE	SERIES	LAMP	WATTAGE	LENS	REFRACTOR DIA	ORDERING OPTIONS
HB = HIGHBAY	07 = 07 SERIES	C = CIRCULAR	150 = 150W 200 = 200W 250 = 250W	P = POLYCARBONATE	24"	M = 0-10V Dimming <sup>3</sup> BLANK = 5000K 27 = 2700K 30 = 3000K 40 = 4000K 60 = 6000K 65 = 6500K Z = CE <sup>1</sup>

**Example:** HB-07-C150-P-24 (Highbay 07 series Circular 150W lamp with 24" Polycarbonate lens)

### ACCESSORIES

DESCRIPTION:	PART NUMBER:
<b>STEP DOWN TRANSFORMER</b>	
120W - 200W	HH-ILS-SD-2245VA
250W - 400W	HH-ILS-SD-3460VA
<b>STEP-DOWN TRANSFORMER HOUSING KIT</b>	
Housing for all three transformer options	HHILPQ32840



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

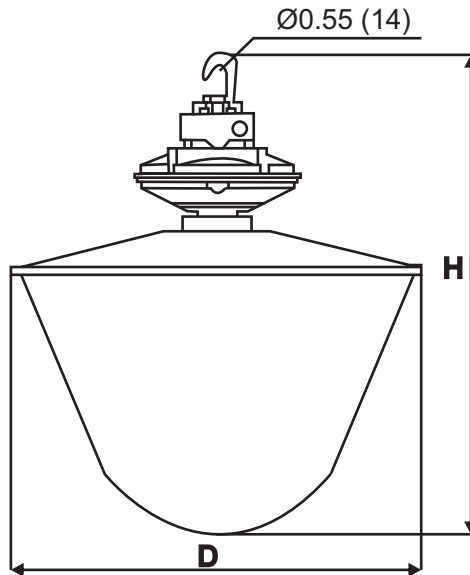
### ELECTRICAL CHARACTERISTICS

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)
HB07-C150-P-24/M	150	158	1.32 - 0.57	12750	80 - 85	70%-75%	> 80	5000
HB07-C200-P-24/M	200	210	1.75 - 0.76	17000	80 - 85			
HB07-C250-P-24/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



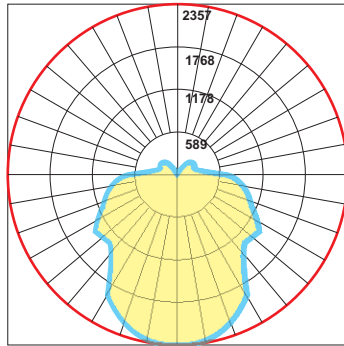
Model No.	D	H
HB07-C150-P	Ø23.82(605)	~28.23(717)
HB07-C200-P	Ø23.82(605)	~28.23(717)
HB07-C250-P	Ø23.82(605)	~28.74(730)

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

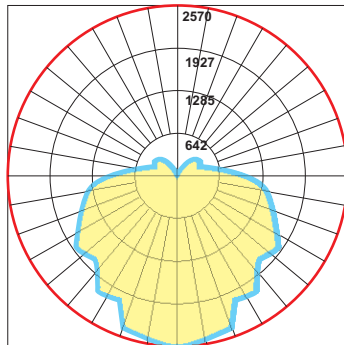
### Photometric Data

IES files available upon request.

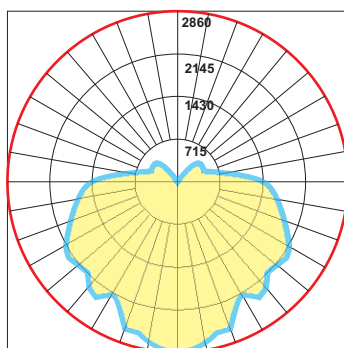
#### POLAR GRAPH



**HB07-C150-P-24/M**

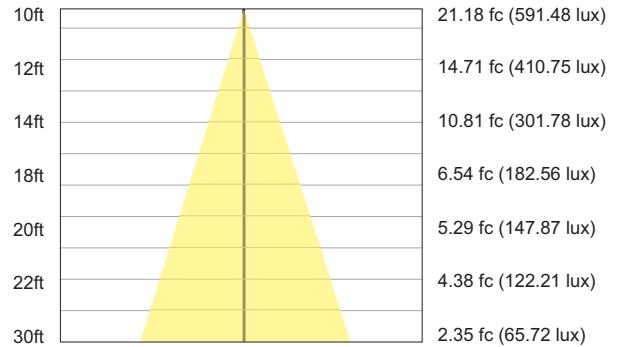


**HB07-C200-P-24/M**

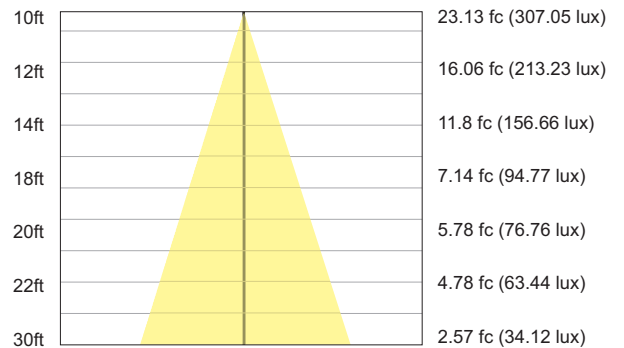


**HB07-C250-P-24/M**

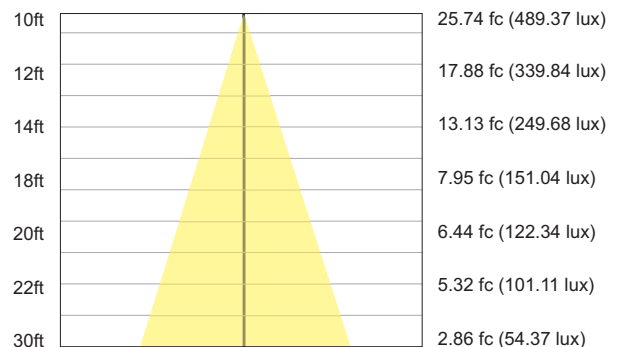
#### ILLUMINANCE AT DISTANCE



**HB07-C150-P-24/M**



**HB07-C200-P-24/M**



**HB07-C250-P-24/M**

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