

Basic Collection

COBRAHEADS

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



CH05 Induction Cobrahead Series



The **CH05 Induction Cobrahead Series** can be used in a variety of applications roadway Lighting. Optimized for heights of 10ft to 18ft. CH05 has an exclusive compact structure uniquely design for low profile applications. 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.

PROFILE INDUCTION GENERATOR

CIRCULAR INDUCTION
40W – 70W

MOUNTING HEIGHT
10' TO 18'

DIMMING WATTAGES
CIRCULAR 40W - 70W



APPLICATION -

- Freeways
- Highways
- Parking Lots
- Intended use for Replacements of HID for Roadway Lighting

- Public Entrances
- Off-Street Area
- Roadway Lighting

CONSTRUCTION -

- Compact Structure
- Corrosion Resistant
- Standard Powder Coated Finish: Gray
- Die Cast Aluminum Alloy Housing
- Profile Generator
- Photocell NOT Included

- Curved Tempered Glass Lens
- Gas-tight Silicon Rubber Seal
- Stainless Steel Screw and Clamp
- Pole Mounted: Diameter 1.5" – 2.36"
- Hydro-Formed Aluminum Reflector
- Preinstalled Photocell Receptacle

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
- THD %: < 10%

- 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 Compared to HID Systems

LAMP TYPE/WATTAGES -

- Circular Induction Lamps Available: 40W, 55W, 70W
- Standard Kelvin Temperature is 5000K: Provides a Cooler Color Temperature
- CRI >80
- Low Lumen Depreciation, >70% Lumen Maintenance at 60,000 Hours

- Wide Range of Color Temperature Options 2700K – 6500K¹ Available
- Pre-Wired Input Connector
- Vibration and Shock Resistant: No Filament

COMPLIANCE -

- UL listed – UL 1598 (E363375)
- cUL listed – UL 1598 (E363375)
- FCC Part 18-A

- IP65: Suitable for Wet Location
- Surge Immunity – IEC 61000-4-5: Class 4

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 -

- Curved Tempered Clear Glass Lens
- High Reflectivity Vacuum Coated Inner Surface Finish

- Symmetric Hydroformed Aluminum Reflector
- 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
3. Dimming Generator, No Sensor included

ORDERING OPTIONS

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

TYPE	SERIES	LAMP	WATTAGE	LENS	ORDERING OPTIONS
CH = COBRAHEAD	05 = 05 SERIES	C = CIRCULAR	040 = 40W 055 = 55W 070 = 70W	G = GLASS	M = 0-10V Dimming ³ BLANK = 5000K 27 = 2700K 30 = 3000K 40 = 4000K 60 = 6000K 65 = 6500K

Example: CH-05-C040-G (Cobrahead 05 Series Circular 40W Lamp with Glass Lens)

ACCESSORIES

DESCRIPTION:	PART NUMBER:
PHOTOCELL (BLUE)	ILAPHCU
PHOTOCELL-10	ILAPHCU10



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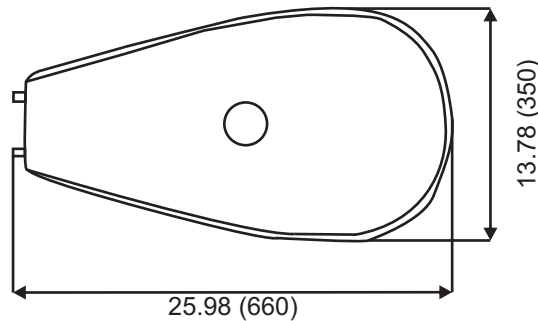
CH05 Induction Cobrahead Series

ELECTRICAL CHARACTERISTICS

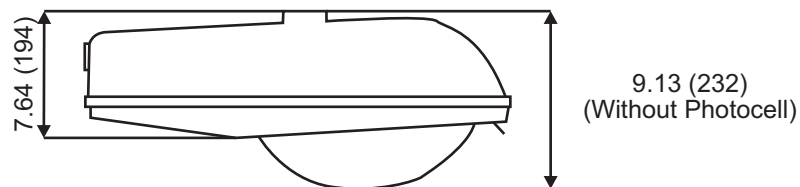
MODEL NO.	RATED WATTAGE (W)	INPUT POWER (W)	INPUT CURRENT 120V - 277V (AMP)	LAMP RATED INITIAL LUMINANCE (LM)	EFFICACY (LM/W)	LUMEN MAINTENANCE	COLOR RENDERING INDEX	CCT (KELVIN)
CH05-C040-G/M	40	42	0.35 - 0.15	3000	70 - 75	70%-75%	> 80	5000
CH05-C055-G/M	55	58	0.48 - 0.21	4380	75 - 80			
CH05-C070-G/M	70	74	0.62 - 0.27	5250	70 - 75			

Mechanical Data

TOP VIEW



SIDE VIEW



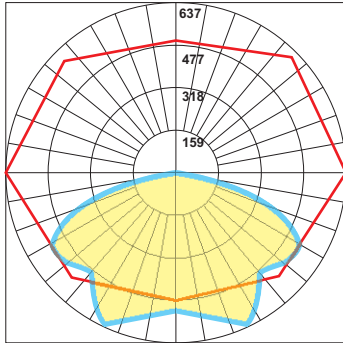
All dimensions are shown in inches (millimeters) unless otherwise noted.

CH05 Induction Cobrahead Series

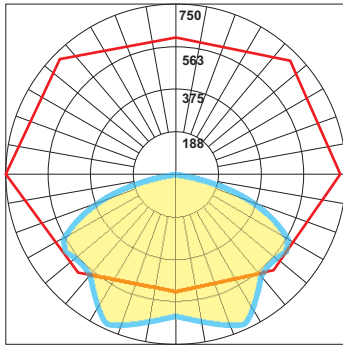
Photometric Data

IES files available upon request.

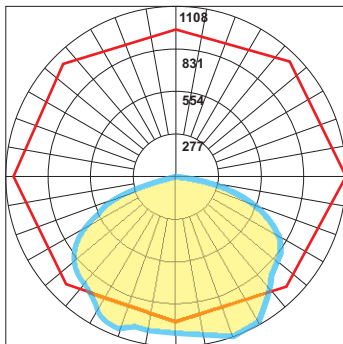
POLAR GRAPH



CH05-C040-G/M

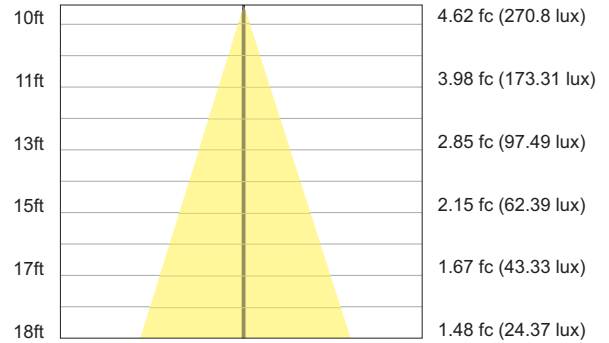


CH05-C055-G/M

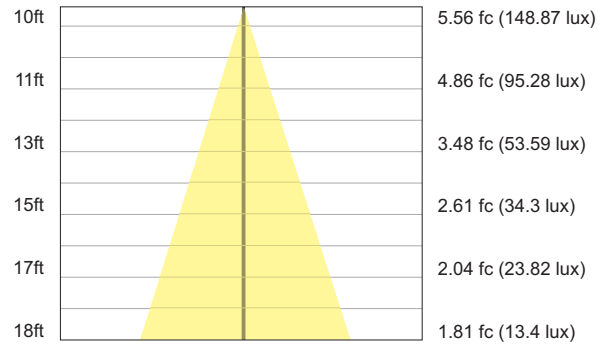


CH05-T070-G/M

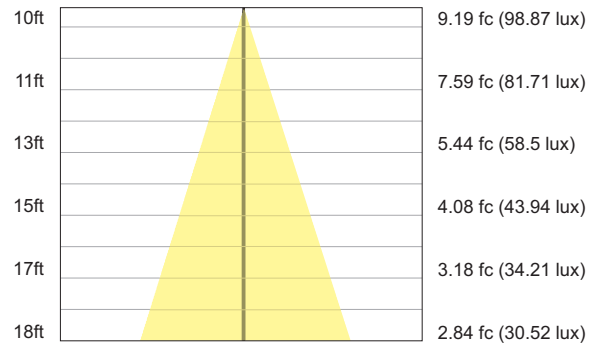
ILLUMINANCE AT DISTANCE



CH05-C040-G/M



CH05-C055-G/M



CH05-T070-G/M

Located At Horizontal Angle = 0, Vertical Angle = 20
 # 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
 # 2 - Horizontal Cone Through Vertical Angle (20) (Through Max. Cd.)