

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



CH03 Induction Cobrahead Series



The **CH03 Induction Cobrahead Series** can be used in a variety of applications roadway Lighting. Optimized for heights of 10ft to 18ft. CH03 has an exclusive compact structure uniquely design for high wind resistance. Separate generator and lamp compartment is engineered for great reliability and easy maintenance. 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 -

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

- Off-Street Area
- Roadway Lighting
- Public Entrances

CONSTRUCTION -

- Compact Structure
- Corrosion Resistant
- Die Cast Aluminum Alloy Housing
- Sealed Die Cast Generator
- Standard Powder Coated Finish: Gray

- Tempered Glass Lens
- Gas-tight Silicon Rubber Seal
- Pole Mounted: Diameter 1.97"
- Hydro-Formed Aluminum Reflector

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
- No Noise Compare to HID Systems

- 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

LAMP TYPE/WATTAGES -

- Circular Induction Lamps Available: 40W, 70W, 80W,
- Bulb Induction Lamp Available: 55W¹
- Standard Kelvin Temperature is 5000K: Provides a Cooler Color Temperature
- CRI >80
- Vibration and Shock Resistant: No Filament

- Wide Range of Color Temperature Options 2700K – 6500K¹ Available
- Pre-Wired Input Connector
- Low Lumen Depreciation, >70% at Lumen Maintenance 60,000 Hours

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

OPTICS -

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

- Symmetric Hydroformed Aluminum Reflector
- Type V Distribution

WARRANTY -

- Five-year Limited Warranty

SEALED DIE CAST INDUCTION GENERATOR

CIRCULAR INDUCTION
40W – 80W

BULB INDUCTION
55W¹

MOUNTING
10' TO 18'



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	ORDERING OPTIONS
CH = COBRAHEAD	03 = 03 SERIES	B = BULB C = CIRCULAR	055 = 55W 040 = 40W 070 = 70W 080 = 80W	G = GLASS	BLANK = 5000K 27 = 2700K 30 = 3000K 40 = 4000K 60 = 6000K 65 = 6500K

Example: CH-03-C040-G (Cobrahead 03 Series Circular 40W Lamp with Glass Lens)

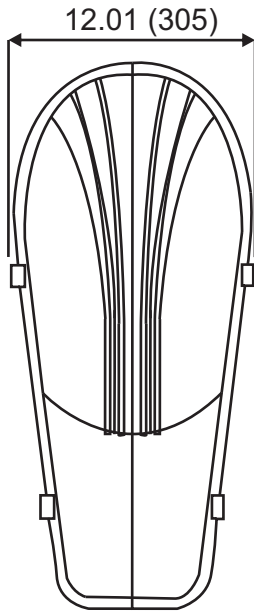
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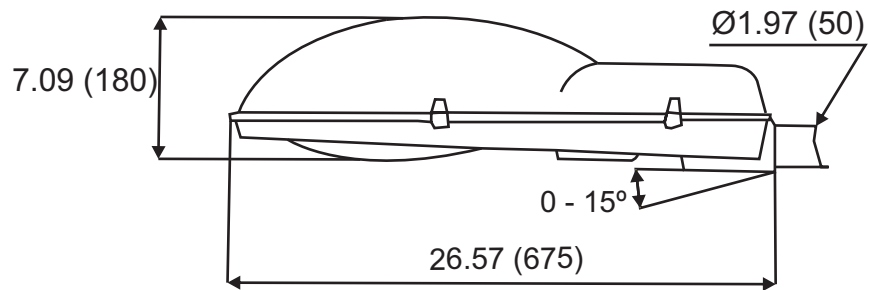
ELECTRICAL CHARACTERISTICS

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)
CH03-B055-G	55	58	0.48 - 0.21	4125 - 4380	75 - 80	70%-75%	> 80	5000
CH03-C040-G	40	42	0.35 - 0.15	2800 - 3000	70 - 75			
CH03-C070-G	70	74	0.62 - 0.27	4900 - 5250	70 - 75			
CH03-C080-G	80	84	0.70 - 0.30	5600 - 6000	70 - 75			

Mechanical Data



TOP VIEW



SIDE VIEW

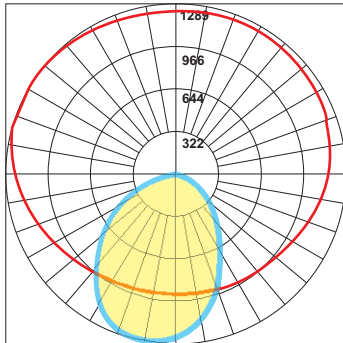
All dimensions are shown in inches (millimeters) unless otherwise noted.

CH03 Induction Cobrahead Series

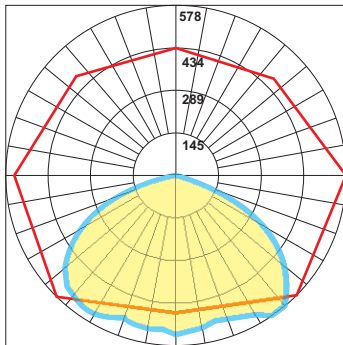
Photometric Data

IES files available upon request.

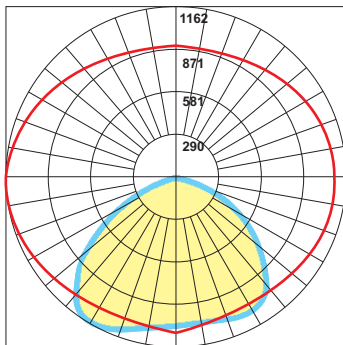
POLAR GRAPH



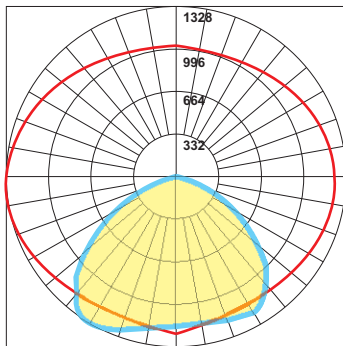
CH03-B055-G



CH03-C040-G

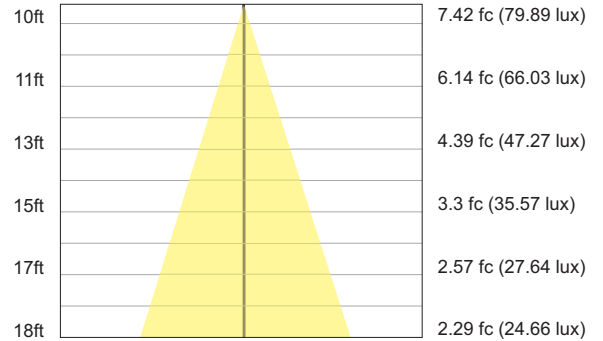


CH03-C070-G

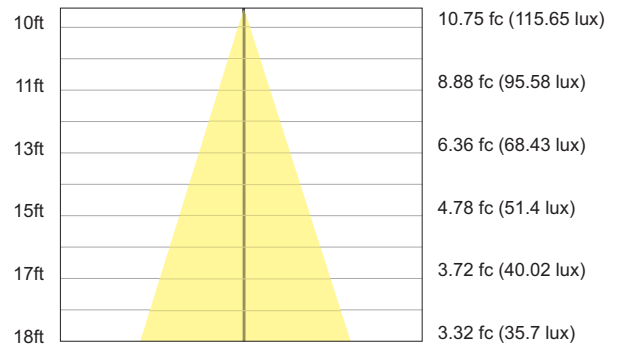


CH03-C080-G

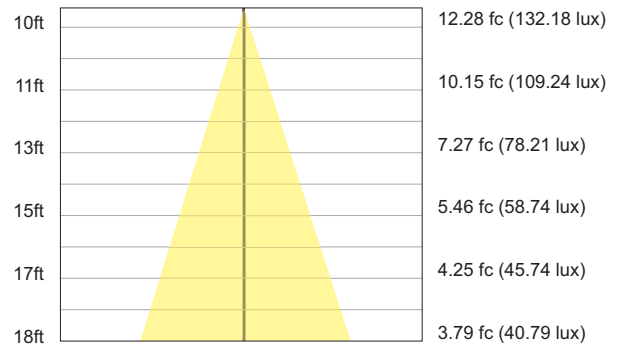
ILLUMINANCE AT DISTANCE



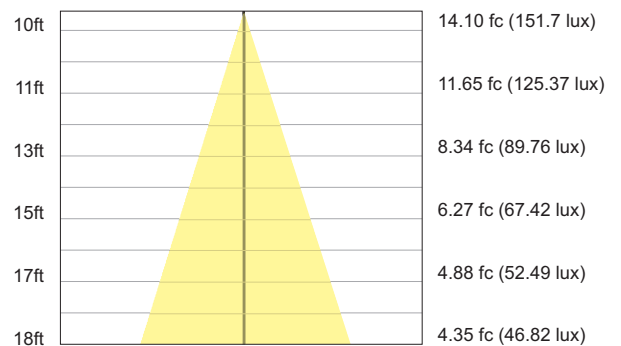
CH03-B055-G



CH03-C040-G



CH03-C070-G



CH03-C080-G

Located At Horizontal Angle = 195, Vertical Angle = 30
 # 1 - Vertical Plane Through Horizontal Angles (195 - 15) (Through Max. Cd.)
 # 2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)