

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



## CH04 Induction Cobrahead Series



The **CH04 Induction Cobrahead Series** can be used in a variety of applications roadway Lighting. Optimized for heights of 10ft to 18ft. CH04 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

- Public Entrances
- Off-Street Area
- Roadway Lighting

**CONSTRUCTION -**

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

- Polycarbonate 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: 55W<sup>1</sup>
- Standard Kelvin Temperature is 5000K: Provides a Cooler Color Temperature
- Low Lumen Depreciation, >70% Lumen Maintenance at 60,000 Hours

- Wide Range of Color Temperature Options 2700K – 6500K<sup>1</sup> Available
- Pre-Wired Input Connector
- Vibration and Shock Resistant: No Filament
- CRI >80

**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 -**

- Polycarbonate Lens
- High Reflectivity Vacuum Coated Inner Surface Finish

- Symmetric Hydroformed Aluminum Reflector
- Type V Distribution

**WARRANTY -**

- Five-year Limited Warranty

SEAL DIE CAST INDUCTION GENERATOR

CIRCULAR INDUCTION  
40W – 80W

BULB INDUCTION  
55W<sup>1</sup>

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	04 = 04 SERIES	B = BULB C = CIRCULAR	055 = 55W 040 = 40W 070 = 70W 080 = 80W	P = POLYCARBONATE	BLANK = 5000K 27 = 2700K 30 = 3000K 40 = 4000K 60 = 6000K 65 = 6500K

Example: CH-04-C040-P (Cobrahead 04 Series Circular 40W Lamp with Polycarbonate Lens)

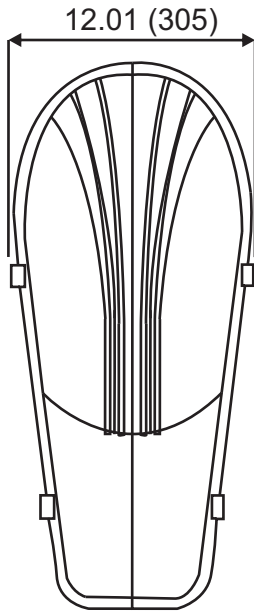
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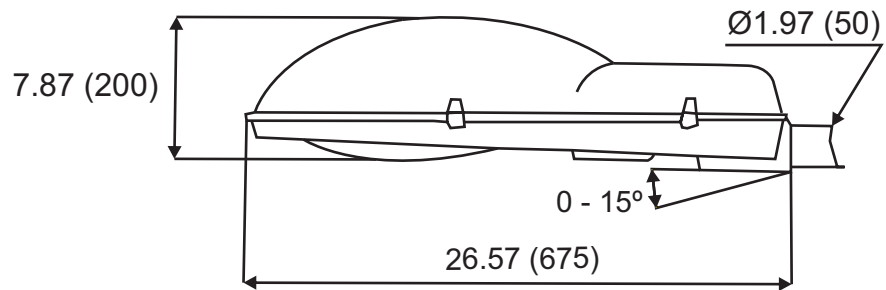
### ELECTRICAL CHARACTERISTICS

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)
CH04-B055-P	55	58	0.48 - 0.21	4125 - 4380	75 - 80	70%-75%	> 80	5000
CH04-C040-P	40	42	0.35 - 0.15	2800 - 3000	70 - 75			
CH04-C070-P	70	74	0.62 - 0.27	4900 - 5250	70 - 75			
CH04-C080-P	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.