

# Basic Collection

COBRAHEADS

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



## CH06 Induction Cobrahead Series



The **CH06 Induction Cobrahead Series** can be used in a variety of applications roadway Lighting. Optimized for heights of 10ft to 25ft. CH06 has an exclusive unique compact structure design. 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 -**

- Standard Powder Coated Finish: Gray
- Corrosion Resistant
- Die Cast Aluminum Alloy Housing
- Profile Generator

- Tempered Glass Lens
- Gas-tight Silicon Rubber Seal
- Pole Mounted: Diameter 2.63"
- 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
- 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 -**

- Tubular Induction Lamps Available: 70W, 80W, 100W, 120W, 150W
- 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 – 6500K<sup>1</sup> Available
- Pre-Wired Input Connector
- Low Lumen Depreciation, >70% Lumen Maintenance at 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 -**

- Tempered Glass Lens; Up to 90% Light Transmission Rate
- High Reflectivity Vacuum Coated Inner Surface Finish

- Symmetric Hydroformed Aluminum Reflector
- Type II Distribution

**WARRANTY -**

- Five-year Limited Warranty

**PROFILE INDUCTION GENERATOR**

**TUBULAR INDUCTION**  
70W – 150W

**MOUNTING HEIGHT**  
10' TO 25'

**DIMMING WATTAGES**  
TUBULAR 70W - 150W



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	06 = 06 SERIES	T = TUBULAR	070 = 070W 080 = 080W 100 = 100W 120 = 120W 150 = 150W	G = GLASS	M = 0-10V Dimming <sup>3</sup> BLANK = 5000K 27 = 2700K 30 = 3000K 40 = 4000K 60 = 6000K 65 = 6500K

**Example:** CH-06-T080-G (Cobrahead 06 Series Tubular 80W Lamp with Glass Lens)

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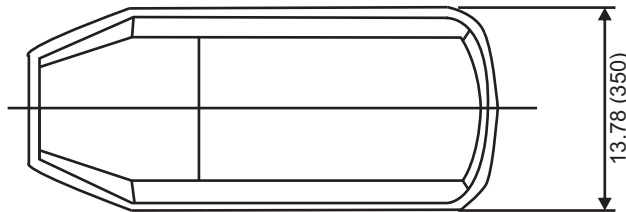
## CH06 Induction Cobrahead Series

### ELECTRICAL CHARACTERISTICS

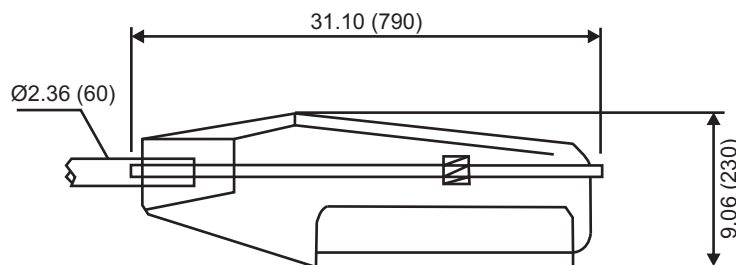
MODEL NO.	RATED WATTAGE (W)	INPUT POWER (W)	INPUT CURRENT 120V - 277V (AMP)	LAMP RATED INITIAL LUMINANCE (LM)	EFFICACY (LM/W)	LUMEN MAINTENANCE	COLOR RENDERING INDEX	CCT (KELVIN)
CH06-T070-G/M	70	74	0.62 - 0.27	4900 - 5250	70 - 75	70%-75%	> 80	5000
CH06-T080-G/M	80	84	0.70 - 0.30	5600 - 6000	70 - 75			
CH06-T100-G/M	100	105	0.88 - 0.38	7500 - 8000	75 - 80			
CH06-T120-G/M	120	126	1.05 - 0.45	9000 - 9600	75 - 80			
CH06-T150-G/M	150	158	1.32 - 0.57	12000 - 12750	80 - 85			

### Mechanical Data

Top View



Side View



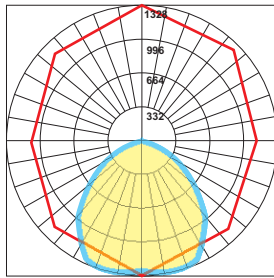
All dimensions are shown in inches (millimeters) unless otherwise noted.

## CH06 Induction Cobrahead Series

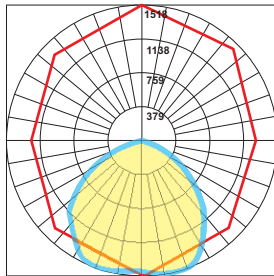
### Photometric Data

IES files available upon request.

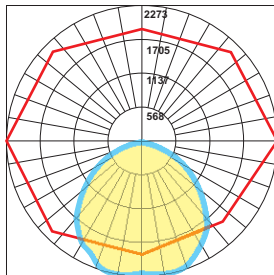
#### POLAR GRAPH



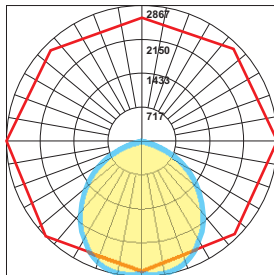
**CH06-T070-G/M**



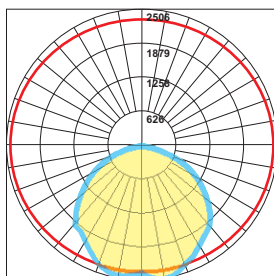
**CH06-T080-G/M**



**CH06-T100-G/M**

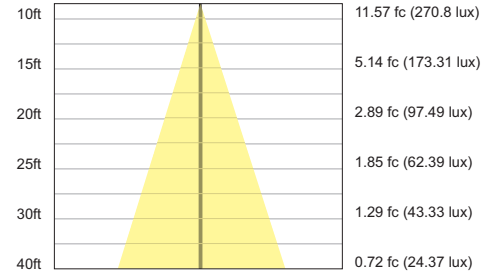


**CH06-T120-G/M**

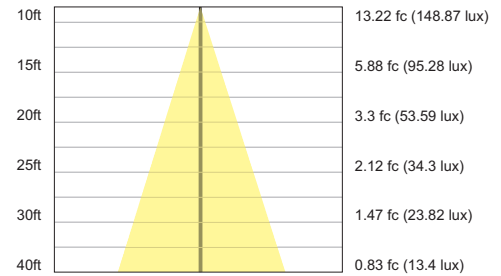


**CH06-T150-G/M**

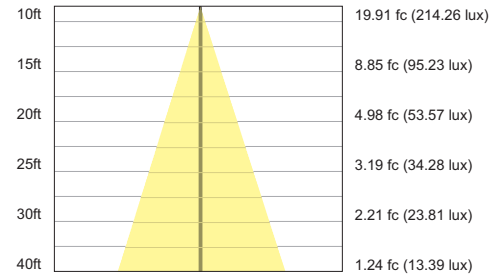
#### ILLUMINANCE AT DISTANCE



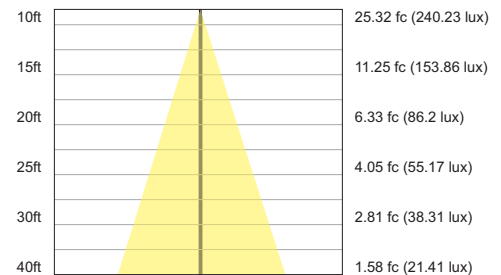
**CH06-T070-G/M**



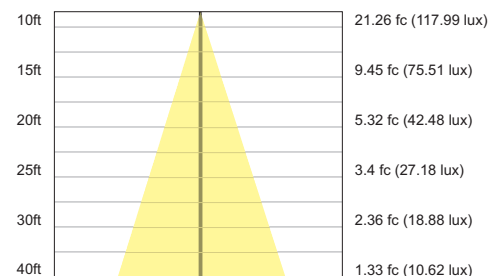
**CH06-T080-G/M**



**CH06-T100-G/M**



**CH06-T120-G/M**



**CH06-T150-G/M**

Located At Horizontal Angle = 360, Vertical Angle = 10  
 # 1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)  
 # 2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)