

Basic Collection

POST TOP

PT05 Induction Post Top Series



The **PT05 Induction Post Top Series** can be used in a variety of applications. Suitable for lamp pole with height of 8ft to 15ft. Powder coated finish for corrosion resistance and a glare-free Polycarbonate lens with excellent transparency. 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 -

- Plazas
- Historical Areas
- Sidewalks
- Shopping Malls
- Intended use for Replacements of HID for Walkways

- Walkways
- City Hall
- Parks
- Gardens
- Retail Outlets

CONSTRUCTION -

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

- Gas-tight Silicon Rubber Seal
- Pole Mounted: Diameter 3.03"
- Polycarbonate Lens
- Profile Generator

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 Compared 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
- 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% 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

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 -

- Transparent Polycarbonate Lens

- 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

PROFILE INDUCTION GENERATOR

CIRCULAR INDUCTION
40W – 80W

MOUNTING HEIGHT
8' TO 15'

DIMMING WATTAGES
CIRCULAR 40W-80W



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

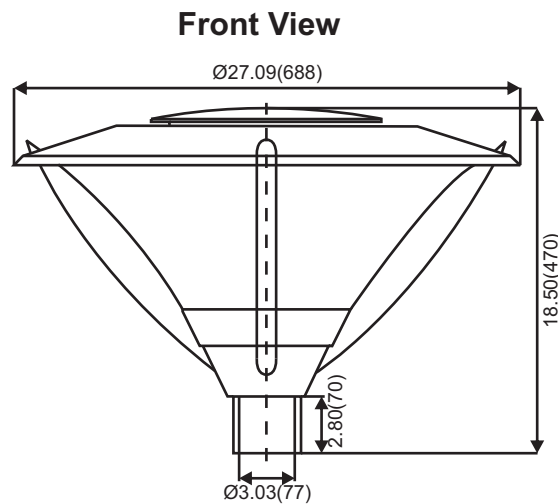
TYPE	SERIES	LAMP	WATTAGE	LENS	ORDERING OPTIONS
PT = POST TOP	05 = 05 SERIES	C = CIRCULAR	040 = 40W 070 = 70W 080 = 80W	P = POLYCARBONATE	M = 0-10V Dimming ³ BLANK = 5000K 27 = 2700K 30 = 3000K 40 = 4000K 60 = 6000K 65 = 6500K

Example: PT-05-C080-P (Post Top 05 series Circular 80W lamp with Polycarbonate lens)

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)
PT05-C040-P/M	40	42	0.35 - 0.15	3000	70 - 75	70%-75%	> 80	5000
PT05-C070-P/M	70	74	0.62 - 0.27	5250	70 - 75			
PT05-C080-P/M	80	84	0.70 - 0.30	6000	70 - 75			

Mechanical Data



(Cord Length : 10")

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

Basic Collection

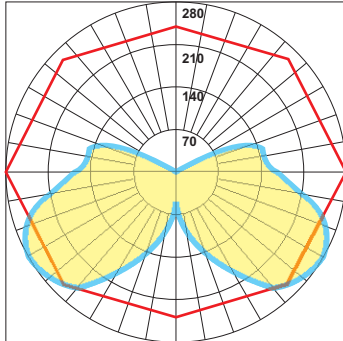
POST TOP

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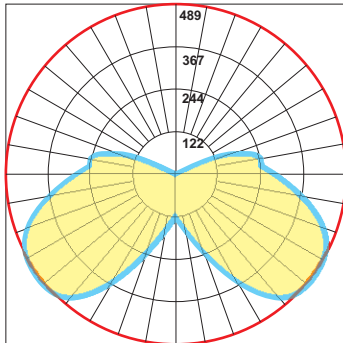
Photometric Data

IES files available upon request.

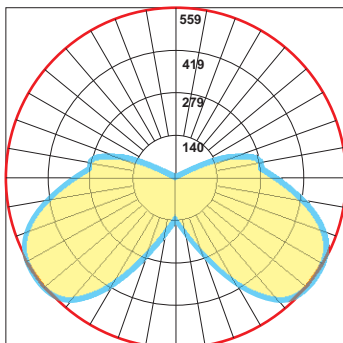
POLAR GRAPH



PT-05-C040-P/M

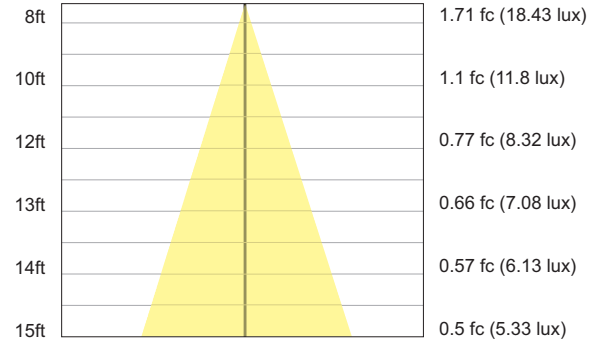


PT-05-C070-P/M

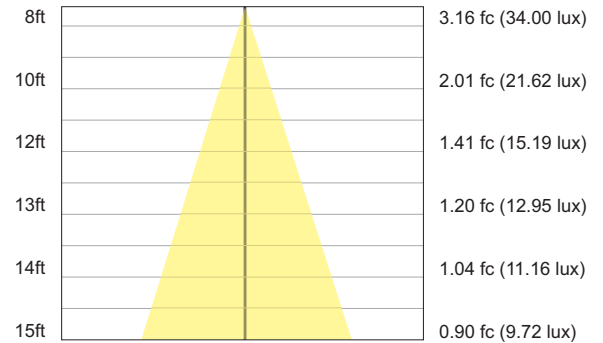


PT-05-C080-P/M

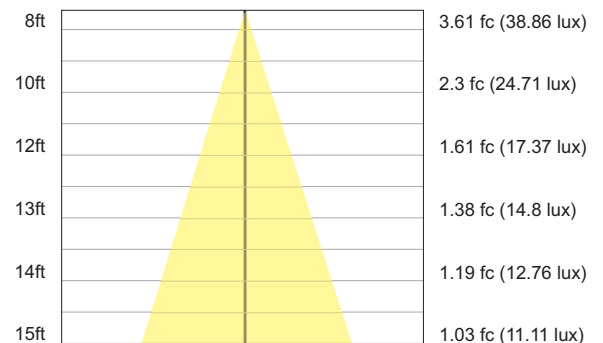
ILLUMINANCE AT DISTANCE



PT-05-C040-P/M



PT-05-C070-P/M



PT-05-C080-P/M

Located At Horizontal Angle = 0, Vertical Angle = 55

1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (55) (Through Max. Cd.)