

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



FL03 Induction Floodlight Series



PROFILE INDUCTION GENERATOR

TUBULAR INDUCTION
70W - 250W

MOUNTING HEIGHT
8' TO 25'

DIMMING WATTAGES
TUBULAR 70W - 250W
(120W NOT AVAILABLE)



The **FL03 Induction Floodlight Series** can be used in a variety of applications including billboard, parking lots, area lighting, tennis courts, scenic lighting, and industrial environments. Optimized for heights of 8ft to 25ft. FL03 Series has a fully adjustable mounting bracket, this allows the light to be aim and directed where it's needed. The die cast aluminum housing provides a superior corrosion resistance. 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 -

- Billboard
- Parking Lots
- Area Lighting
- Intended use for Replacements of HID Luminaries of Area Lighting

- Tennis Court
- Scenic Lighting
- Industrial Applications

CONSTRUCTION -

- Die Cast Aluminum Housing
- Corrosion Resistant
- Low Profile Design
- Standard Powder Coated Finish: Dark Bronze

- Flat Tempered Glass Lens
- Gas-tight Silicon Rubber Seal
- Slip Fitter Round Pole, Optional "U" Shape Bracket

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
- CSA: 208V-347V

- 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 Compare to HID Systems
- THD %: < 10%

LAMP TYPE/WATTAGES -

- Tubular Induction Lamps Available: 70W¹, 80W¹, 100W¹, 120W, 150W, 200W, 250W
- 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)
- CSA listed¹: 40W, 70W, 80W, 100W

- IP65: Suitable for Wet Location
- Surge Immunity – IEC 61000-4-5: Class 4
- FCC Part 18-A

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 -

- Hammerstone Aluminum Reflector Finish
- Precision Formed Anodized Reflector

- Clear Tempered Glass 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

Actual performance may differ as a result of end-user environment and application.
Note: Specifications subject to change without notice.

ORDERING OPTIONS

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

TYPE	SERIES	LAMP	WATTAGE	LENS	MOUNTING	ORDERING OPTIONS
FL = FLOODLIGHT	03 = 03 SERIES	T = TUBULAR	070 = 70W ¹ 080 = 80W ¹ 100 = 100W ¹ 120 = 120W 150 = 150W 200 = 200W 250 = 250W	G = GLASS	I = SLIPFITTER (ROUND POLE) V = SWIVEL BRACKET ¹	M = 0-10V Dimming ³ BLANK = 5000K 27 = 2700K 30 = 3000K 40 = 4000K 60 = 6000K 65 = 6500K J = CSA ¹

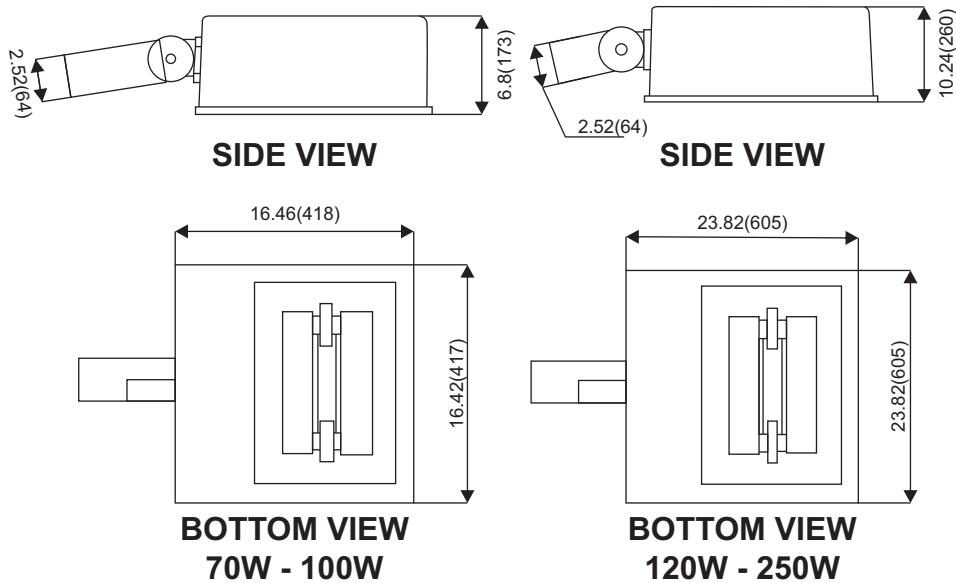
Example: FL-03-T200-G (Floodlight 03 series Tubular 200W lamp with Glass lens)

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)
FL03-T070-GI/M FL03-T070-GV/M	70	74	0.62 - 0.27	5250	70 - 75	70%-75%	> 80	5000
FL03-T080-GI/M FL03-T080-GV/M	80	84	0.70 - 0.30	6000	70 - 75			
FL03-T100-GI/M FL03-T100-GV/M	100	105	0.88 - 0.38	8000	75 - 80			
FL03-T120-GI/M FL03-T120-GV/M	120	126	1.05 - 0.45	9600	75 - 80			
FL03-T150-GI/M FL03-T150-GV/M	150	158	1.32 - 0.57	12750	80 - 85			
FL03-T200-GI/M FL03-T200-GV/M	200	210	1.75 - 0.76	17000	80 - 85			
FL03-T250-GI/M FL03-T250-GV/M	250	263	2.19 - 0.95	22500	80 - 85			

Mechanical Data

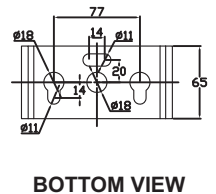
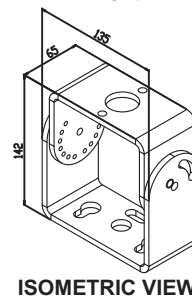
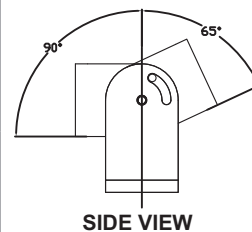
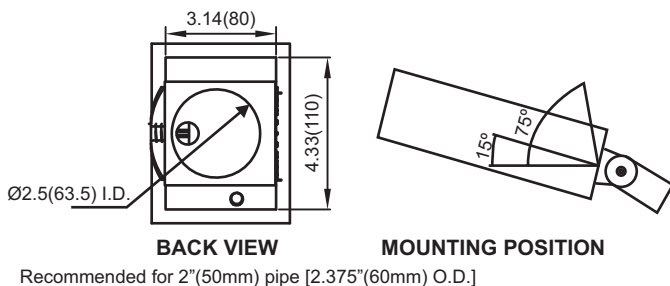
Slip Fitter (Round Pole)



Slip Fitter (ROUND POLE)

Swivel Bracket (OPTIONAL)

Refer to Ordering Options



Recommended for 2" (50mm) pipe [2.375" (60mm) O.D.]

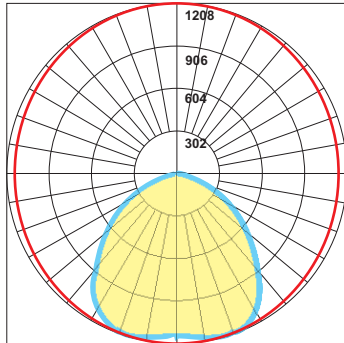
All dimensions are shown in inches (millimeters) unless otherwise noted.

FL03 Induction Floodlight Series

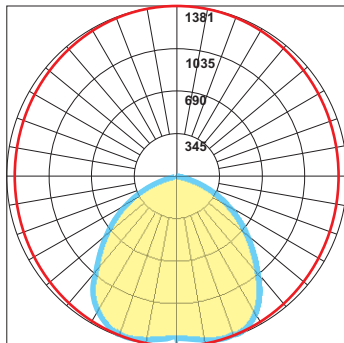
Photometric Data

IES files available upon request.

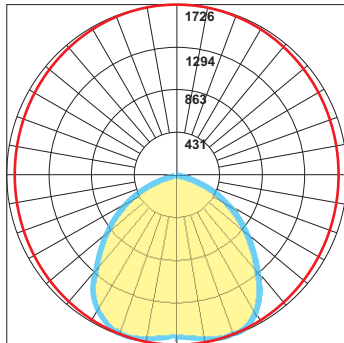
POLAR GRAPH



FL03-T070-G/M

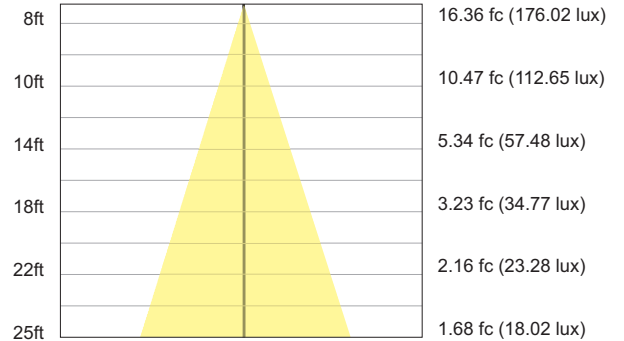


FL03-T080-G/M

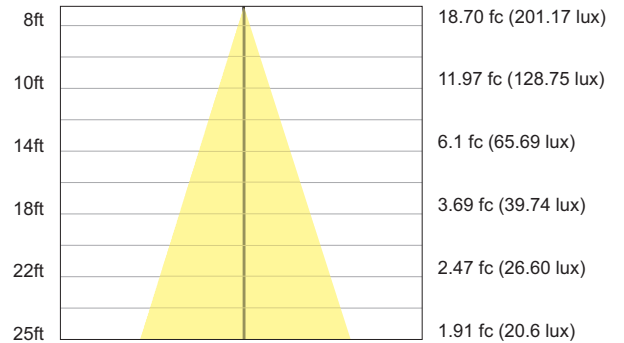


FL03-T100-G/M

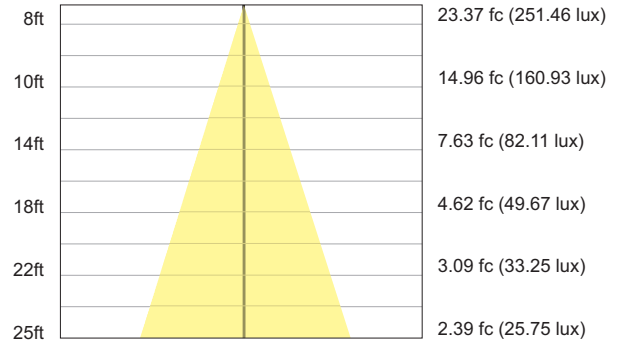
ILLUMINANCE AT DISTANCE



FL03-T070-G/M



FL03-T080-G/M



FL03-T100-G/M

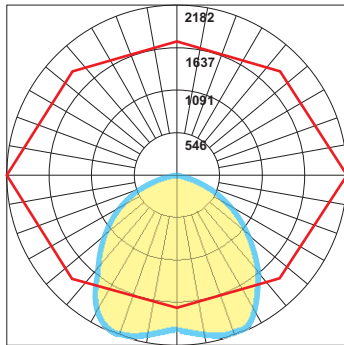
Located At Horizontal Angle = 75, Vertical Angle = 20
 # 1 - Vertical Plane Through Horizontal Angles (75 - 255) (Through Max. Cd.)
 # 2 - Horizontal Cone Through Vertical Angle (20) (Through Max. Cd.)

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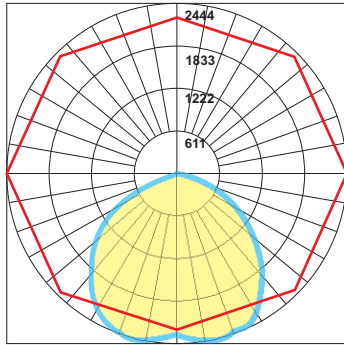
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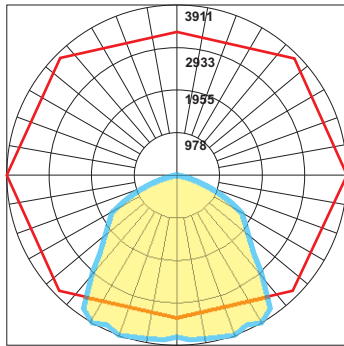
POLAR GRAPH



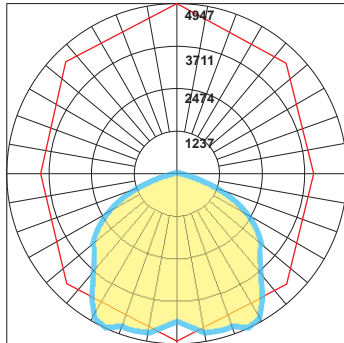
FL03-T120-G/M



FL03-T150-G/M

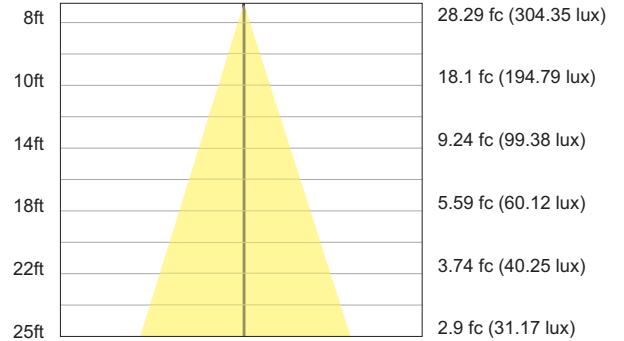


FL03-T200-G/M

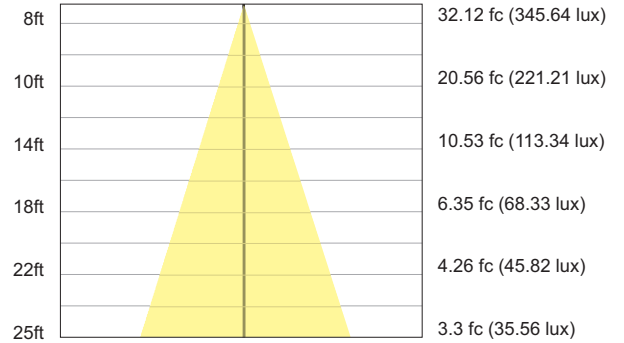


FL03-T250-G/M

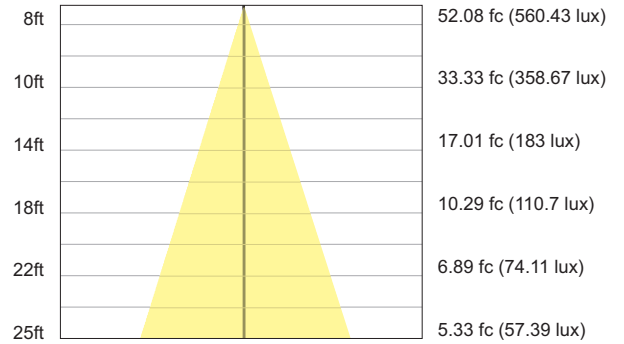
ILLUMINANCE AT DISTANCE



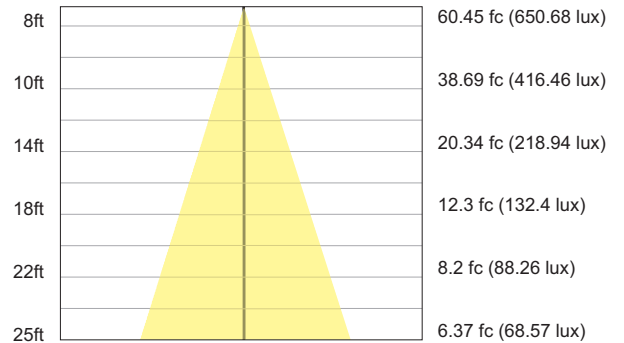
FL03-T120-G/M



FL03-T150-G/M



FL03-T200-G/M



FL03-T250-G/M

Located At Horizontal Angle = 90, Vertical Angle = 25
 # 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
 # 2 - Horizontal Cone Through Vertical Angle (25) (Through Max. Cd.)