

SMART

Lumens

(MODEL-FL50)

Product Overview:-

SMART LED Floodlights operate efficiently and save power but also reduces maintenance and service costs as a result of their long life. Conventional floodlights require frequent lamp replacement and routinely need service during critical work periods. LED Floodlights will help save costs and increase efficiency by ensuring that work will never be stopped due to missing, broken, or burned out bulbs.

Since LED Floodlights are not vibration sensitive nor do they have a light source that requires replacement, an extremely long life cycle is guaranteed. Additionally, LED Floodlights operate at a fraction of the temperature that conventional floodlights do and therefore, are much safer to work with. SMART LED Flood lights feature high power SMD LED technology and offer 60% savings in **energy** consumption **and longer** life **expectancy** than incandescent and fluorescent lighting. LED technology emits no UV rays, is vibration resistant, contains no mercury and does not flicker or produce any noise. Flood lights are available in white color, lamp sizes, working voltage and have a 5 year limited warranty.

The attractive grey finish is achieved by using a double powder coat process, which eliminates the potential for corrosion from harsh or saltwater environments. All gaskets are specially designed and manufactured for use in harsh environments, and are saltwater, oil, and lubricant resistant.

Features & Benefits :-

- Heat and Shock Resistance
- No Infrared/No Mercury
- Advance Thermal System For Maximized Output & Lifetime Durability
- HID Equivalent :- Upto 500 Watt
- Precision Optics For Optimized Performance & minimized Glare

Applications:-

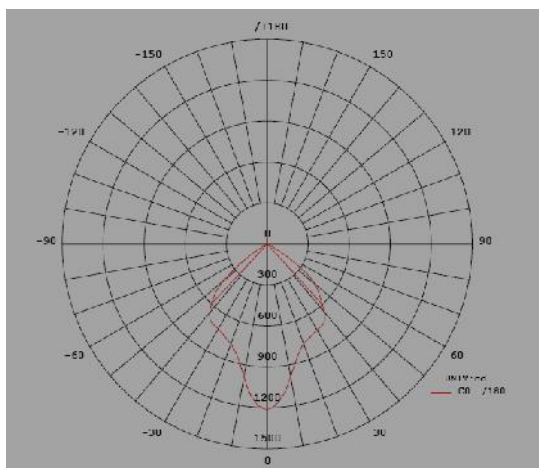
- Factory Areas
- Indoor & Outdoor use.
- Pedestrian Walkways
- Bill Boards
- Flex Board



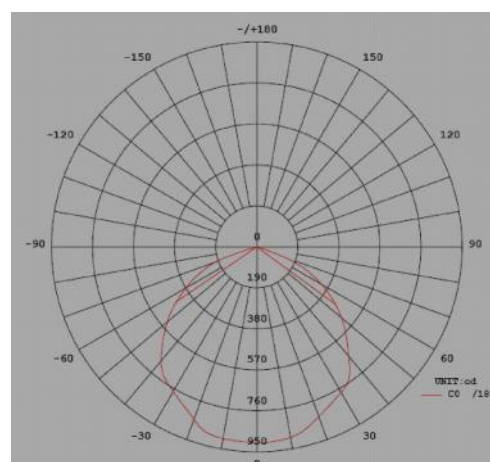
Technical Specifications:-

| | |
|-----------------------------|---|
| Power Factor | : > 0.85 |
| Rated Power | : 50 watt |
| Luminous intensity@ 1 meter | : 1780 lumen |
| Efficiency | : > 90% |
| Color accuracy | : 80 CRI |
| Light Beam Angle | : 120 degree |
| Operating Temperature | : -30deg to +65deg C |
| Ambient Humidity | : 90% |
| Lamp Efficiency | : > 90% |
| Working Voltage | : 165 -265 VAc,50/60 Hz |
| Lens Reflector Style | : Clear |
| Led Count | : 120 |
| Typically Replace | : Upto 500 watt halogen flood light, sodium/mercury vapour lamp |
| Life Expectancy | : > 14500 hours |
| Total Harmonic Distortion | : < 9% |
| Color Temperature | : 2700k - 3900k(warm white)/ 3900k - 6500k(pure white) |
| IP Grade | : 65 |
| Average luminance | : (Height)2M: 3.3x3.3m (Height)3M:6.5x6.5m |
| Lumens @ 1 Feet | : 17600 lm (lumen) |
| Luminous flux per LED | : Minimum 15.27 lm & Maximum 23.63 lm |
| Forward Voltage | : Min 2.8V & Max 3.08 V |
| Forward Current | : 80mA |

Luminous Intensity Light Distribution Diagram:-



60° Beam Angle



120° Beam Angle

Electrical Specifications:-

| | |
|-------------------|----------------------|
| Input Voltage | : 150-265VAC 50/60HZ |
| Total Power Usage | : 50 watt |
| Power Factor | : > 0.85 |

Light Output Specifications:-

| | |
|-------------------------|-------------------|
| Led Cluster Output | 17600 lumen@1ft |
| Light Source | Multiple Led |
| Light Purity | No IR radiations |
| Brightness Degradations | < 1% per 1000hour |
| Viewing Angle | 120 Degree |
| Color Rendering Index | 80 CRI |

Dimensions:-

| | |
|-----------|--------------------|
| Size | 223 x 185 x 130 mm |
| IP Rating | IP 65 |
| weight | 1.6 kg's |

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