SMART *Lumens*

(MODEL-FL100)

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 1000 Watt or sodium/mercury vapour lamp.
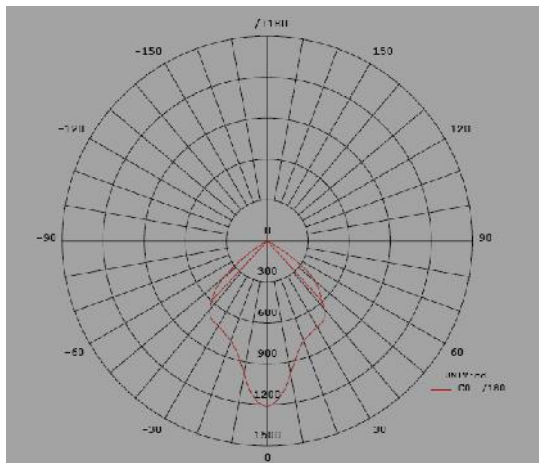- Precision Optics For Optimized Performance & minimized Glare

Applications:-

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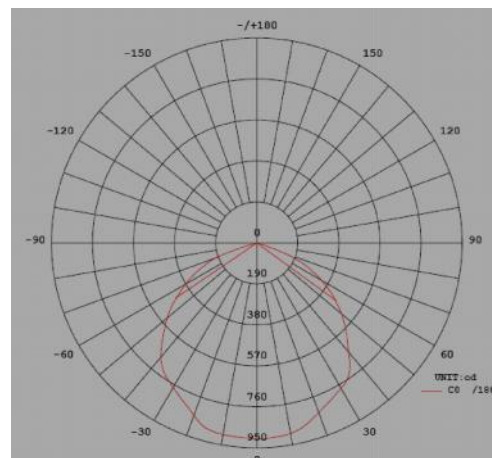- Pedestrian Walkways
- Bill Boards
- Flex Board

Technical Specifications:-

Power Factor	: > 0.85
Rated Power	: 100 watt
Luminous intensity@ 1 meter	: 2220 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	: 150 -265 VAc,50/60 Hz
Lens Reflector Style	: Clear
Led Count	: 240
Typically Replace	: Upto 1000 watt of 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	: 20000 lm (lumen)
Luminous flux per LED	: Minimum 15.27 lm & Maximum 23.63 lm
Forward Voltage	: Min 2.8V & Max 3.03 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	: 100 watt
Power Factor	: > 0.85

Light Output Specifications:-

Led Cluster Output	20000 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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