

# 80 WATT LED FOCUS LIGHT



*\*Actual Product Image May Differ\**

Area: Outdoor

Purpose: Street and Roadway Lighting.

## **Features:**

### **(1) Optical**

- » Optical pattern meets all standard Focus Light Standards.
- » Uniform illuminance distribution.

### **(2) Power**

- » Switched mode constant current power supply.
- » Current THD <10%, Voltage THD <5%.
- » Over-heat, Over-voltage, Over-current protections are provided.
- » Lightning Protection provided.

### **(3) Thermal**

- » Luminaire surface temperature is 48°C @ Ta=30°C, the temperature variation is controlled under 5°C.
- » Junction temperature is controlled at 70°C @ Ta=30.
- » Overheat protection will operate to adjust as the LED module surface reaches 80°C.

### **(4) Luminaire**

- » Optimized thermal design to ensure maximum life to LED. The Heat sink grade aluminium has the highest surface area for efficient heat diffusion and the entire luminaire with Aluminium acts as heat sink.
- » Dust and water protection design meeting IP65 standards.
- » Super-high luminaire efficacy 70lm/W.

## **DETAILED TECHNICAL SPECIFICATION**

### **Electrical Characteristics:**

<b>PARAMETER</b>	<b>DRIVER RESULT</b>
Input Voltage	160 -260 VAC
Rated Power	80W
Maximum Power	88W
Efficiency	>85%
Power Factor	>0.9
Voltage Harmonics (THD)	<5%
Current Harmonics (THD)	<10%

### **Operating Conditions:**

Operating Frequency	100kHz to 200KHz
Operating Temperature Range	-25°C to +70°C
Storage Temperature Range	-65°C to 125°C
Humidity	95% RH

### **LED Details:**

Led Make	OSRAM/CREE/PHILIPS
No Of LED's	36
Led Viewing Angle	120°
Colour Temperature	Cool White/Warm White/ Neutral White
Luminous Flux	9600 (cool white)/ 6400 (warm white)/ 9600(neutral white)
Life Span	> 80,000 Hours
Colour Rendering Index	>70 Ra

### **LED Luminary Details:**

Body	Aluminium Pressure Die cast Body
Heat Sink	Optimized thermal design to ensure maximum life to LED. The Heat sink grade aluminium has the highest surface area for efficient heat diffusion and the entire luminary with Aluminium acts as heat sink.
Dust and Water protection	IP 65 Standards

**Protection Parameters:**

Over-Current Protection	Inbuilt
Short-Circuit Protection	Inbuilt
Over-Voltage Protection	Inbuilt
Over-Temperature Protection	135 °C
Dust and Water Protection	IP 65
Lightning Protection	Inbuilt

**SILICON COMPONENTS PVT. LTD.**

102, 'B' Wing, 1st Floor Rassaz Castle,  
Malpa Dongri No. 1,  
Near TCS Banyan Park Office,  
Western Express Highway.  
Andheri - EAST, Mumbai - 400 069  
INDIA

**Email:** [info@siliconcomponents.net](mailto:info@siliconcomponents.net)