

WORKING TO HELP YOU  
SAVE MONEY AND REDUCE YOUR CARBON IMPACT



# SunBURST™ LED Floodlight

The **SunBURST™** is a resilient LED luminaire, capable of providing between 40 - 70% cost savings, ideally suited for floodlighting, high bay lighting, security lighting and many more applications.

An intelligent, long lasting, bright lighting system that reduces energy consumption, lowers carbon emissions and allows the Customer to be in control of light intensity and associated costs.

Designed and built with high quality materials to avoid early replacement, unlike many LED fixtures being sold on the market today.



**Low Energy Designs Limited**  
Unit 5 Coppi Industrial Estate, Hall Lane,  
Rhos, Wrexham, LL14 1TG  
United Kingdom

**Tel:** + 44 (0)1978 842500/639  
**Fax:** + 44 (0)1978 211230  
**Email:** [info@lowenergydesigns.com](mailto:info@lowenergydesigns.com)  
[www.lowenergydesigns.com](http://www.lowenergydesigns.com)

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**SunBURST™** uses high flux LED's on high quality modular boards and in conjunction with our unique software controlled LED temperature monitoring and control system, this ensures maximum lamp life. It has the ability to set the maximum temperature on the LED's allowing the customer to maximise and control the life of the product. Designed for "fit and forget" (FAF) applications to limit continuous maintenance.

The **SunBURST™** lighting products are suitable for a wide range of applications. Lights can be powered from renewable power sources such as solar, wind and water.

**SunBURST™** has dynamic power control. This enables the unit to automatically modulate light output in response to ambient light levels (with potential additional energy savings). Using a PIR enables dimming of the light during periods of low traffic. This can be programmed to send light activation to a single light or to a whole group of flood or area lights.

**SunBURST™** products can be manufactured to customer specification in order to provide a spectrum of desired colour rendering (Ra) and colour appearance (K), from warmer white (2,700K) to cool white (6,500K +), this in conjunction with the various optical packages provides a flexible solution.

Customers have typically used the **SunBURST™** to replace 150-400 Watt Metal Halide floodlights or high bay lights.

## Specifications

<b>Product Code</b>	SB8A (AC Power) or SB8D (DC Power)
<b>Supply Voltage</b>	8 – 15VDC, 20 – 28VDC (low voltage) 90 – 264VAC
<b>Power Rating</b>	Programmable range between 0 – 88 Watts Rated 88W, Typical connected load 97W
<b>Lumen Level</b>	Average 5,495 Photopic lumens or 12,440 Scotopic lumens
<b>Operating Temperature</b>	- 10°C to + 70°C Ambient (-30°C with ramp set)
<b>Circuitry Operating</b>	LEDs – 150°C Maximum T <sub>j</sub> (Junction Temperature) Controller board circuitry – 105°C Maximum Typical operating conditions at full power, T <sub>j</sub> = 80°C
<b>Humidity</b>	0 – 99%
<b>Ingress Classification</b>	IP66
<b>Body Material</b>	High grade LM20 Cast Aluminium
<b>Lens Material</b>	Polycarbonate graded at ISO 178
<b>Lens Light Transmission</b>	Luminous Transmittance 88%
<b>Light Cooling</b>	Convection & Software Temperature Controlled
<b>Colour Appearance &amp; Rendering</b>	2,700°K – 10,000°K range (Warm white, cool white or RGB (Red Green Blue) Typical 5,000°K – 6,500°K offering Ra=75 (CRI=75%)
<b>Luminaire Lifetime</b>	Approx. 50,000hrs. When operated at a T <sub>j</sub> of below 63/80°C then 50,000 – 100,000 hours to reach 70% of original light output (not to failure)
<b>Photocell &amp; Movement Sensor</b>	PV sensor inbuilt providing a variable light output depending on ambient light level. Programmable settings can be used in conjunction with PIR sensor
<b>Compliance</b>	CE, RoHS, BS EN 60598-2-3:2003, BS EN 60598-1:2004
<b>Finish</b>	Powder coated finish in matt black or custom colour upon request
<b>Dimensions</b>	H 190mm x W 340mm x D 340mm
<b>Mounting</b>	Wall or Pole (42mm, 63mm 76mm) mount options
<b>Weight</b>	6.6 kg
<b>Production</b>	Made in United Kingdom (Wales)

## Standard Functions & Features

- Fully automatic light-adjusting dusk-to-dawn sensor (the light either increases or decreases brightness automatically – fully programmable)
- LED automatic temperature control (using our innovative PN junction temperature control)
- PIR movement light activation
- A range of light schedules can be programmed facilitating various power saving modes
- Remote luminaire alarms and ancillary functions (e.g. road temperature sensing, vibration sensing, intruder detection)
- Additional features include remote power output control, monitoring, LED max/min temperature setting, scheduling on/off times, fault reporting, 100% dimming from any output power, ramping power timer and system diagnostics.
- Colour rendering on our standard package of Ra ≥ 75
- Wireless control of the luminaires allow for 100% customisation of lights

**Please contact us for further information or to discuss your specific requirements**