



LIGHTING DESIGNED  
To **SAVE YOU MONEY** AND  
**REDUCE YOUR CARBON FOOTPRINT**



# SunRAY

## Modular LED Lighting

The SunRAY is a member of the SunFAMILY group of resilient LED luminaries. The SunRAY LED light is capable of providing between 45% and 80% cost savings compared with traditional lighting solutions and is ideally suited to low bay and high bay lighting in warehousing, cold stores, freezer warehousing, production/manufacturing sites or industrial environments.

SunRAY 10



SunRAY 8



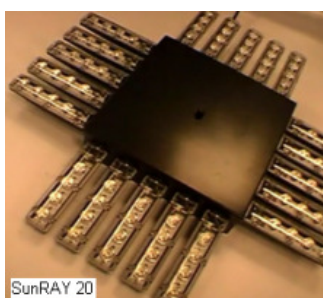
SunRAY 6



SunRAY 4



SunRAY 2



SunRAY 20

Programmable on-board intelligence, variable power output LEDs and photocell sensors allow the customer to precisely control the light output, minimising energy usage and maintaining excellent lighting distribution. Various optics are available to direct the light precisely where it is needed.

**Designed, manufactured, assembled and tested in the UK.**

**Imagine never having to change a bulb again.....**

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UK Company Registration No: 6451580



# SunRAY Modular LED Lighting



**SunRAY** uses high flux LEDs on thermally superior, modular boards. This technology used in conjunction with our software controlled, LED temperature monitoring ensures maximum LED life. Our software uniquely allows the user to influence the maximum temperature of the LED PN junction, thus enhancing the life of the product. Long maintenance intervals mean that this unit is designed for “fit and forget” applications.

**SunRAY** lighting products are fully tested independently by the Lighting Association. Full PN junction test results are available to prove lifetime reliability.

**SunRAY** also offers dynamic power control. This enables the unit to automatically modulate light output in response to ambient light levels (with potential additional energy savings). Use of a PIR allows the dimming of the light during periods of low traffic. Activation of a single PIR will trigger the light to which it is connected, which in turn can be programmed to send light activation signals via its inbuilt wireless radio to a whole group of lights within an area.

**SunRAY** products can be manufactured to customer specification in order to provide a bespoke spectrum of desired colour rendering (Ra) and colour appearance. The light can be distributed in various patterns by the application of specific optical packages in the form of lens and reflectors.

Customers have typically used the **SunRAY** to replace 150-500 Watt High Bay lights.

## Specifications

Product Code:	Actual Measured Lumens
SR1	SunRAY 1- SR1 up to 11W output = 780 lm
SR2	SunRAY2 - SR2 up to 22W output = 1,560 lm
SR4	SunRAY4 - SR4 up to 44W output = 3,120 lm
SR6	SunRAY6 - SR6 up to 66W output = 4,680 lm
SR8	SunRAY8 - SR8 up to 88W output = 6,240 lm
SR10	SunRAY10 - SR10 up to 110W output = 7,838 lm
SR12	SunRAY 12 - SR12 up to 144W output = 9,384 lm
SR16	SunRAY 16- SR16 up to 176W output = 12,492lm
SR20	SunRAY 20 - SR20 up to 220W output = 15,680lm
Available in AC Power (A) or DC Power 20 - 28vdc (D) options	
Supply Voltage	20 – 28VDC, 90 – 264VAC plus 127-353 VDC
Power Rating	Programmable range between 0 – 100% of rated power Power factor >0.95 - Efficiency = 90–92%
Lumen Level	Average Measured Photopic Lumen output 780 - 15,680
Operating Temperature	- 35 °C to + 70 °C Ambient
Circuitry Operating Temperature	LEDs – 150 °C Maximum Tj (Junction Temperature) Controller board circuitry – 105 °C Maximum Typical operating conditions at full power, Tj = 80 °C
Ingress Classification	IP65 for SunRAY 1 - 6 IP66 for SunRAY8 - 10 IP54 for SunRAY 12 - 20
Body Material	High grade polycarbonate, aluminium
Lens Material	Polycarbonate graded at ISO 178
Light Cooling	Convection & Software Temperature Controlled
Colour Appearance Rendering	2,700 °K – 10,000 °K range (Warm, Natural, Cool White) RGB (Red, Green, Blue) Typical 5,000 °K– 6,500 °K offering Ra>75
LED Lifetime	Approx. 77,000hrs to L70 Standard Or Approx. 57,000hrs to LM80 Standard. Actually test results available.
Photocell	PV sensor inbuilt providing a variable light output depending on ambient light level.
Compliance	CE, RoHS, BS EN 60598-2-3:2003, BS EN 60598-1:2004, TUV, EMC, UMSUG coded
Finish	Powder coated finish in Grey (RAL 7047) or matt black on LED enclosures. Body made from black or grey polycarbonate.
Dimensions	Vary depending on whether SunRAY 1— 20 Typically SunRAY10 = H 70mm x W 570mm x D 350mm
Mounting	Hanging, Ceiling, Wall, Pole mounting options (up to 76mm)
Weight	SunRAY10 — 4.09kg - SunRAY 20 - 14kg
Production	Made in United Kingdom
Warranty	2 year full replacement or 5 year extended warranty available

## Functions & Features at a glance

- **Photovoltaic (PV) sensor.**  
Adjusts the LED light output in response to ambient light levels. LED output to ambient light level matrix is fully programmable.
- **Automatic LED temperature control.**  
Light output will automatically reduce if the PN junction exceeds the programmed maximum.
- **PIR movement sensors.**  
Used to trigger a single light or a group of lights in a common area. Ideal for storage facilities.
- **Lighting schedules.**  
A range of 32 schedules can be programmed facilitating various power saving modes.
- **Radio control.**  
Full remote control of all parameters is impossible from a control PC via a radio interface. No need for cables or access equipment.
- **Additional features.**  
Include fault reporting, 100% dimming from Any output power, ramping power timer and system diagnostics.
- **Colour rendering.**  
Our standard package has Ra ≥ 75.

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

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