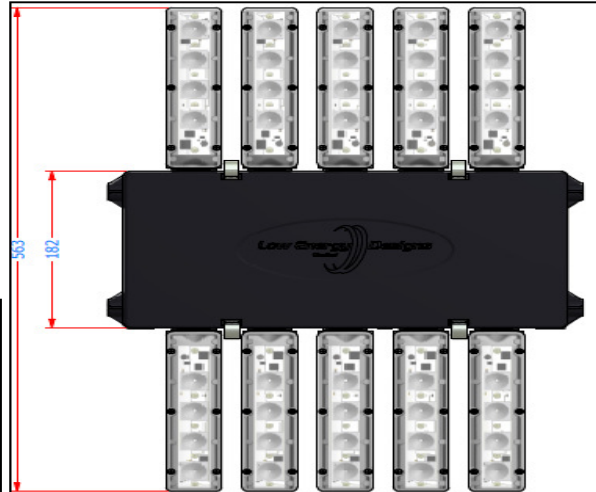


SunRAY 10 Colour Changing



INTELLIGENT ENERGY SAVING SOLUTIONS WITH THE SUNRAY 10. The SunRAY LED light is capable of providing up to 95% cost savings compared with traditional lighting solutions.



FEATURES: SUNRISE TO SUNSET COLOUR CHANGE TRANSITIONS PLUS OPTIONS FOR LUNAR AND SOLAR YEARLY CYCLING.



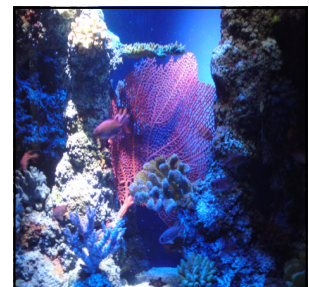
- ◆ **Photovoltaic PV Sensor**
Automatically adjusts the LED light output in response to ambient light levels. LED power output to ambient light level matrix is fully programmable.
- ◆ **Automatic LED Temperature Control**
Will automatically reduce if the LED PN junction exceeds the set operating temperature (ensures maximum lamp life).
- ◆ **PIR Movement Sensors**
Used to trigger a single light or a group of lights in common or multiple areas. Ideal for storage facilities. Wirelessly no need for cabling between lights.
- ◆ **Lighting Schedules**
A range of 32 schedules can be programmed facilitating various power saving modes. Schedule 24/7 on/off dimming etc.
- ◆ **Radio Control**
Full wireless remote control of all parameters is possible from a control PC via a radio interface. No need for cables or access equipment. No cost for data.
- ◆ **Advanced Control**
Includes fault reporting, 1-100% dimming from any output power, timer and system diagnostics, alarms, history, ramping power from 0 sec-2 hours, security etc.
- ◆ **Colour Rendering**
Our standard package has $R_a \geq 75$.
Provides Option for Lunar & Solar cycling for the light
- ◆ **Settings**
All settings are programmable allowing for 100% light customisation.
- ◆ **Rotation LED Module & variable optics**
Various optics can be applied and used in conjunction with the rotational LED modules on the light to maximise the light output potentially allowing for the light to be dimmed further to save power.

BRACKETS: Choose from our following brackets:

	Type 2 Bracket Flat Mount
	Type 3 Bracket Suspended from Chain
	Type 9 Bracket Rotating wall/ ceiling mount/ Track mounting

APPLICATIONS:-

Aquarium Lighting
Architectural Lighting



Replacing 400w Metal Halides

OPTIONS:-

- 2 x RGB—8 x 10K Kelvins White Modules
 - 4 x RGB—6 x 10K Kelvins White Modules
 - 6 x RGB—4 x 10K Kelvins White Modules
 - 8 x RGB—2 x 10K Kelvins White Modules
- With over 270,000 colour combinations

SunRAY 10 Colour Changing



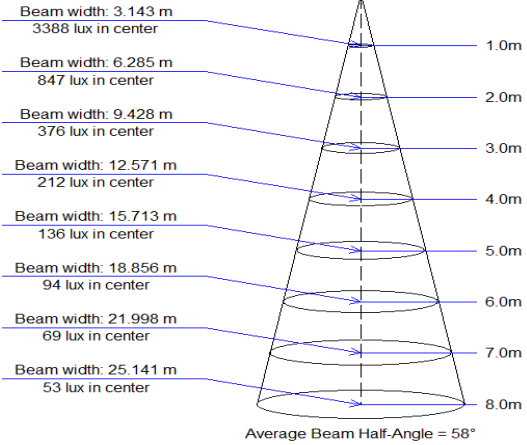
SPECIFICATIONS:



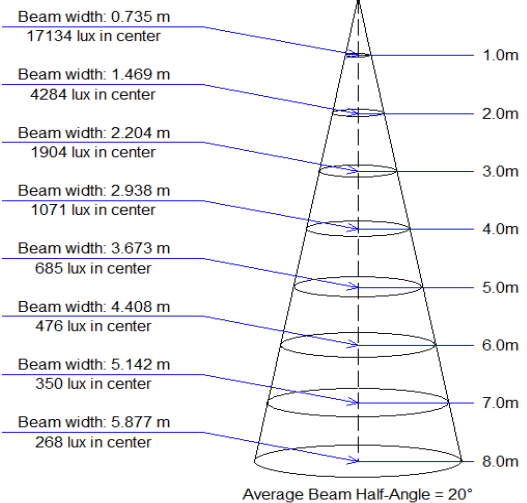
◆ PRODUCT CODE:	SUNRAY10 (130W) SR10-ID-CC SUNRAY10 (130W) SR10-OD-CC Available in AC Power (A) or DC Power (D) options
◆ SUPPLY VOLTAGE	20 – 28VDC, 90 – 264VAC & 127 – 396VDC PFC—0.90 @ 240VAC—0.98 @ 115VAC
◆ POWER RATING	Programmable and variable range between 10 – 130 Watts Circuit Power - 150watts @ max
◆ LUMEN LEVEL	Average actual measured lumens 7,800
◆ OPERATING TEMPERATURE	- 35°C to + 60°C Ambient (with cold start protection using ramp set)
◆ 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
◆ HUMIDITY	0 – 99%
◆ INGRESS CLASSIFICATION	IP65, INDOOR MODEL IP66, OUTDOOR MODEL
◆ BODY MATERIAL	Polycarbonate UV40 and UL versions 4 Stage Powder coated mild steel. MinO bodies die cast aluminium
◆ LENS MATERIAL	Polycarbonate graded at ISO 178
◆ LENS LIGHT TRANSMISSION	Luminous Transmittance 88% +
◆ LIGHT COOLING	Convection & Software Temperature Controlled
◆ COLOUR APPEARANCE & RENDERING	5,300—6,350 Kelvins 8,000— 10,000 Kelvins RGB
◆ LUMINAIRE LIFETIME	Approx. 77,000 hours when operated at a Tj of below 80°C to L70 standard or 57,000 hours to LM80 standard
◆ PHOTOCELL & MOVEMENT SENSOR	PV sensor inbuilt providing a variable light output depending on ambient light level. Programmable settings can be used in conjunction with PIR sensor
◆ COMPLIANCE	CE, RoHS, BS EN 60598-2-3:2003, BS EN 60598-1:2004 UMSUG Coded, TUV (UL), EMC, FCC
◆ FINISH	Powder coated finish in grey RAL 7047 or black upon request
◆ DIMENSIONS-WEIGHT	56cm (L) X 35cm(W) X 7cm (H)- Weight: 4.09kg
◆ MOUNTING	Ceiling, Hanging, Rotational, Pole Mounted
◆ PRODUCTION	Made in United Kingdom
◆ OPTIC CHOICES	Area, Wide, Medium, Spot, Square, Asymmetric or any combination.

OPTICAL PATTERN:

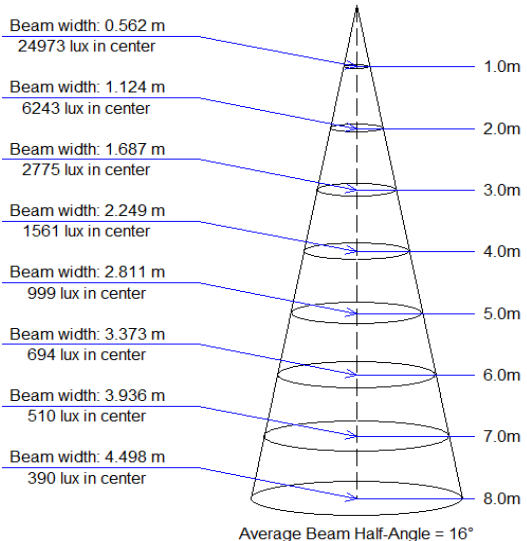
No Optics



Wide Optics



Medium Optics



LOW ENERGY DESIGNS LTD
UNIT 11/13 BRIDGE STREET
STURMINSTER MARSHALL
DORSET BH21 4DB
UNITED KINGDOM

PLEASE CONTACT US AND LET US HELP YOU TO CUT COSTS AND REDUCE YOUR CARBON FOOTPRINT.
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Website: www.lowenergydesigns.com