

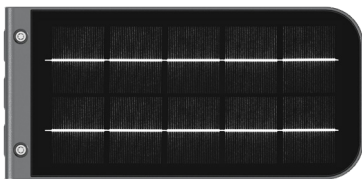
SOLW SERIES

OUTDOOR LIGHTING

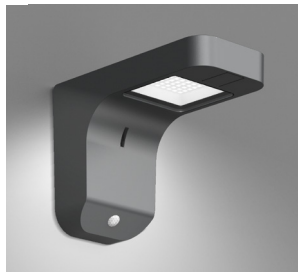
SOLW-BSP-MS-40K



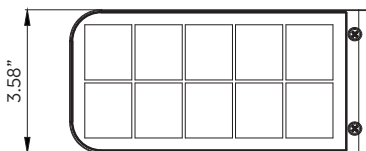
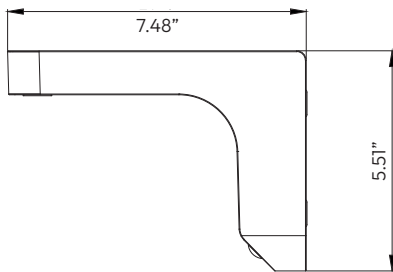
Back View



Solar View



Night View



Technical Drawing: 3.58" (D) x 7.48" (W) x 5.51" (H)

Customer Name:

Project Name:

Note:

Type:

The EdgeRay Solar Luminaire features a programmable remote control and integrated motion sensor, delivering efficient solar-powered illumination. Designed for reliable outdoor performance, it provides convenient wireless control and multiple lighting modes for versatile applications.

FEATURES:

- No trenching or utility wiring required
- Zero electricity operating cost
- Ideal for residential and commercial perimeter lighting
- Fast surface mount installation

SPECIFICATIONS:

ELECTRICAL:

- PWM smart solar charge controller
- 2.3W Solar panel
- 5V panel voltage

MECHANICAL:

- IK08 vandal-resistant aluminum housing
- Mono crystalline solar panel

PIR MOTION SENSOR:

- 110° horizontal sensing angle
- Recommended mounting height 6.5-8 ft
- 30-second motion activation
- Detection range up to 16 ft

BATTERY:

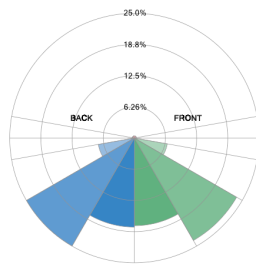
- Battery Type: Ternary lithium battery
- Voltage: 3.7V
- Capacity: 2.6Ah
- Energy: 9.62Wh
- Cycle Life: >1,000 cycles at 80% DOD
- Operating Time: Full power: 4-4.5 hours - Intelligent mode: up to 2 days
- Charging Time: 5.7 hours
- Electrical Class: Class III

APPLICATIONS:

- Ideal for exterior walls, pathways, entrances, and building perimeters requiring energy-efficient, solar-powered lighting with motion-activated security.

PHOTOMETRICS

BUG rating



Rating: B0 U1 G0

Forward Light

Low (0-30°)	65.45	17.6%
Medium (30-60°)	88.3	23.7%
High (60-80°)	25.01	6.72%
Very High (80-90°)	1.796	0.483%

Back Light

Low (0-30°)	66.49	17.9%
Medium (30-60°)	93.1	25.0%
High (60-80°)	27.35	7.35%
Very High (80-90°)	2.399	0.645%

Uplight

Low (90-100°)	0.3694	0.0993%
High (100-180°)	1.579	0.425%

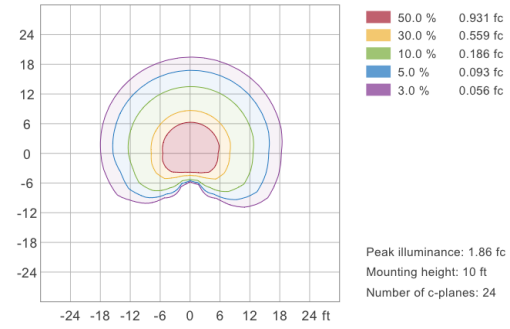
Total

Sum	372	100%
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IESNA TM-15-07 Luminaire Classification System For Outdoor Luminaires

BUG Rating: B0-U1-G0

Iso-illuminance plot



Peak illuminance: 1.86 fc

Mounting height: 10 ft

Number of c-planes: 24

Area 24'x24'

PERFORMANCE TABLE

MODEL NO.	WATTAGE	VOLTAGE	LUMENS	COLOR TEMP.	BUG RATING	LPW
SOLW-BSP-MS-40K	3W2	120-277V	385LM	4000K	B0-U1-G0	192

LIGHTING MODE

1

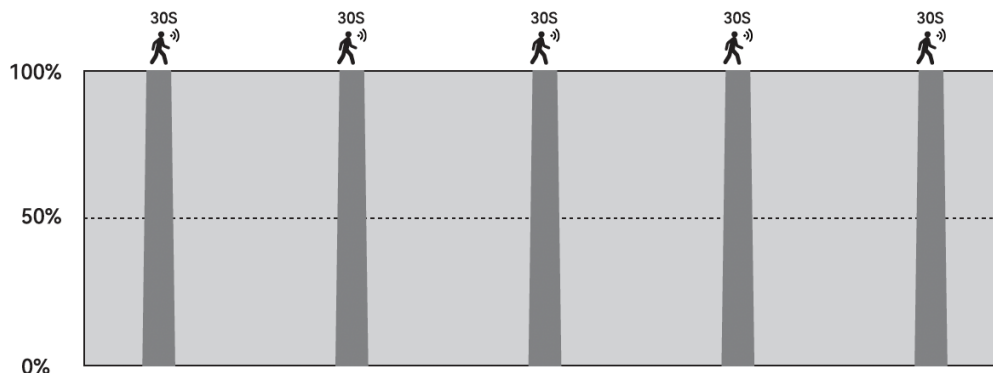
Sunset



Midnight

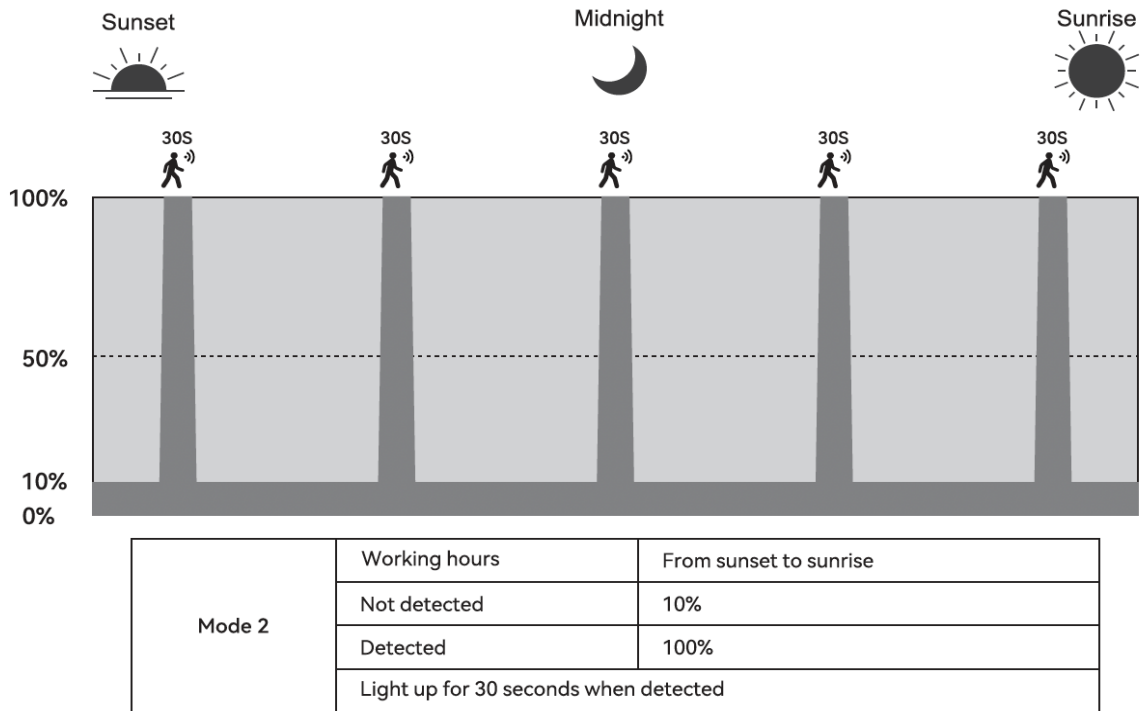


Sunrise

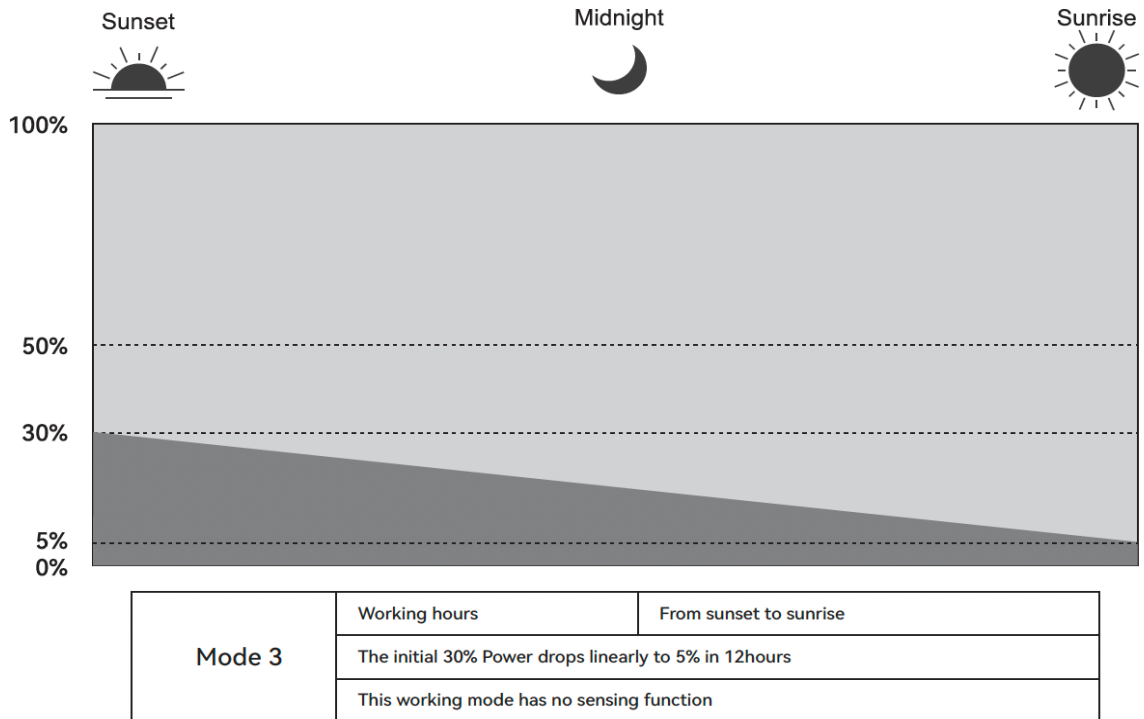


Mode 1	Working hours	From sunset to sunrise
	Not detected	0%
	Detected	100%
	Light up for 30 seconds when detected	

2



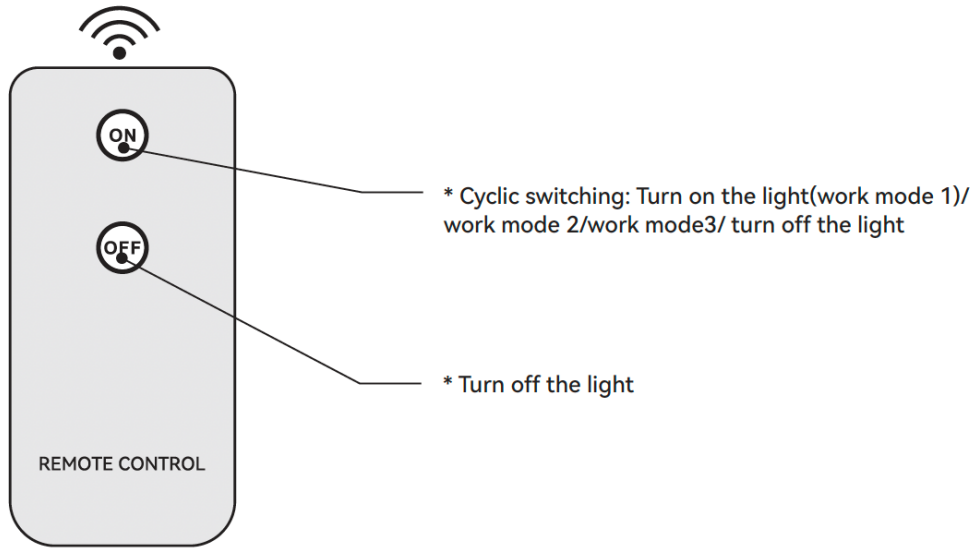
3



REMOTE CONTROL DESCRIPTION

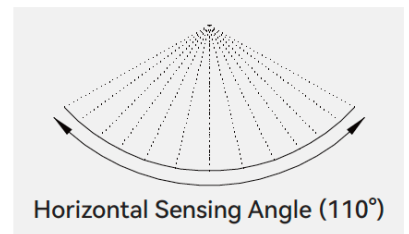
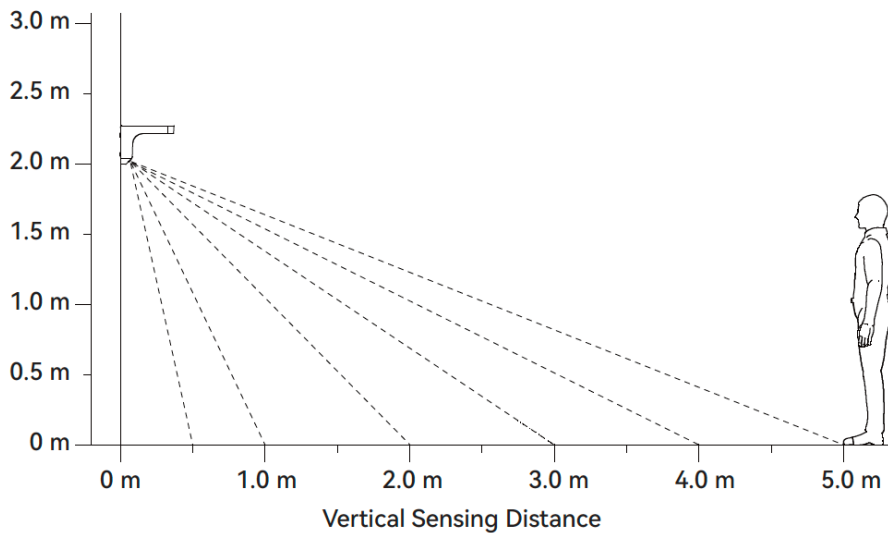
Optional

Remote control distance (2-3 m)



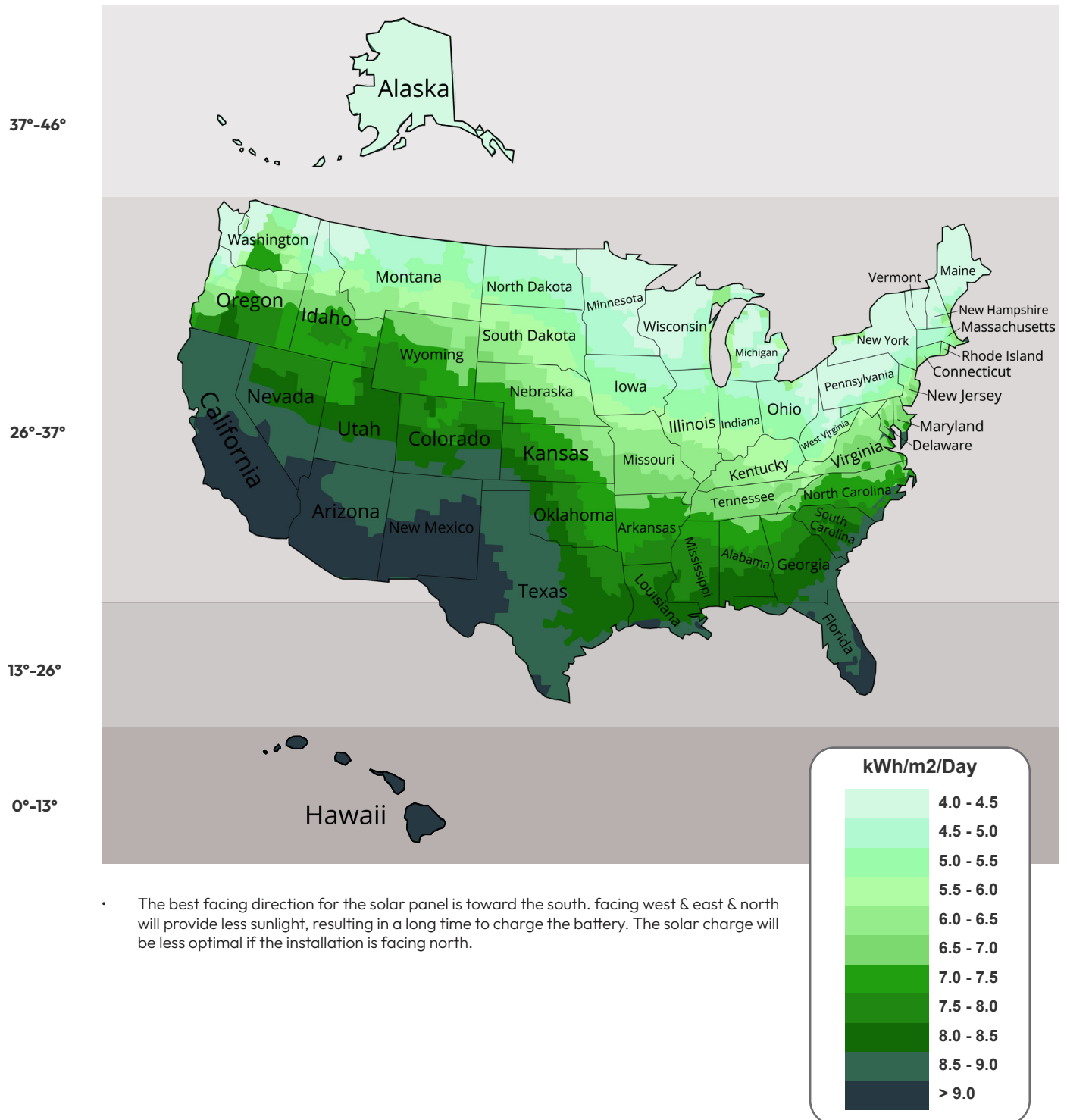
PIR SENSING DISTANCE

Recommended mounting height (2-2.5m)



AVERAGE DAILY SOLAR RADIATION PER MONTH

Increasing the tilt 15° in the winter or decreasing 15° in the summer gives the maximum sunlight for recharging the battery.



- The best facing direction for the solar panel is toward the south. facing west & east & north will provide less sunlight, resulting in a long time to charge the battery. The solar charge will be less optimal if the installation is facing north.