

LIGHTDECO RIGEL 80

Specifications



Why us?

Innovative Technology

High-efficiency solar and advanced LEDs deliver superior performance, long life, and maximum ROI.

Photometric

We conduct photometric measurements on all our products to ensure optimal performance and compliance with industry standards

Versatile Lighting

We design and install solar-powered lighting systems tailored for all kinds of locations such as streets, parks, pathways, homes, etc.

Global Reach

Worldwide success proves our adaptability and regulatory expertise.

Sustainable Savings

These solutions enhance safety, promote sustainability and provide significant energy and cost savings.

Warranty

SolarPath is dedicated to delivering architectural and commercial-grade solar lighting that can be customized to meet specific client requests, both in technical specifications and aesthetic design, ensuring a perfect fit for a diverse range of needs.



Rigel 80 engages a photovoltaic array laid in a perimeter-style orientation along the edges of the tile surface. The square enclosure centers on an opaque diffusive plane, through which colors are horizontally diffused. The effect is the creation of small square pools of light.

Rigel 80 continues to exceed expectations many years after its initial development. Used in residential, public, commercial, and industrial design, the unit has weathered all environments faultlessly. It is an original, dependable, and unique addition to any lighting design.



Technical specification
Physical Properties

SUS Case Size	Ø3.7in x 1.8in
Product Size	Ø3.07in x 1.8in
Weight	0.88lbs
SUS case Thickness	0.8t
SUS Case Material	SUS 30-2B
Compressive Strength	43,500 N
Water Proof	IP68
Operating Temperature	-40°F to +158°F
Operating Time	More than 12 hours
Onset Point	150-350 LUX
Charging Time	3 (sunny) 8 (cloudy and rainy)

Light Properties
Luminance (Lux)

Color	Average	Min	Max	Uniformity
Red	11.1	8.68	12.6	69%
Green	89.88	70	118	59%
Blue	9.71	7.29	12.08	60%
Yellow	19.04	15.6	23.2	67%
White	82.5	66.6	103.5	64%

Type Continuous, Slow Flashing, Fast Flashing

Material and Design

Single Crystalline Solar Cell	Solar module Size	2.08in x 2.04in
	Solar Maximum Output Power Solar	0.3666w
	Operating Current	116.4mA
	Solar Voltage	3.15V
LED	LED Size	5ø LED
	LED Current	20mA per each
	LED Operating Current	0.2mA x 5pcs
	LED Voltage	R,Y,B,G,W (3v)
	LED Wattage	3,mw (5pcs)
	LED Quantities	5pcs
Pseudo capacitor	Pseudo capacitor	2.3V 120F
	Number of Pseudo capacitor	1pcs
Poly Carbonate Housing	T/C (L G) , B/C (LG)	
Electronic Controller	NST8 MAIN PCB	

*Illuminance(cd/m) measurement: The luminance points on the lighting area are measured an averaged.

*Uniformity is obtained by dividing minimum luminance by maximum luminance from 5 point measurements.

SOLAR STREET LIGHT

USES AND APPLICATIONS GUIDE

Driveways

Landscaping

Pool decks

Pool bottoms

Patios

Fountains

Walkways

Boardwalks

Building exteriors

Stairways

Pavers

ORDERING GUIDE

Ordering Guide: EXAMPLE: RIGEL80-CA-F0

Model	LED Color	Flashing Pattern
Rigel 80	CA – Amber CW – White CB – Blue CR – Red CG – Green CY – Yellow	F0 – Steady F1 – Flash 60 F2 – Flash 120 F3 – Fade Flash

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