



Series: **SSLK**

Solar Powered Sign Lighting System Kit



FEATURES & BENEFITS

Models with One, Two or Four Flood Lights
Provides Lighting In Remote Locations
Includes Lighting and Day/Night Controls
Pre-assembled, Pre-wired, Ready-To-Install
Deep-cycle Maintenance Free Battery

APPLACATIONS

Storage Yards, Marinas & Docks
Pathways & Trails, Private Roadways
Transit Shelters, Business Signs
Security & Surveillance

DESCRIPTION

Series SSLK Series features pre-packaged, ready-to-install, rainproof, solar powered lighting for business signs. The kits provide the proper charging and power conditioning for 12 Volt deep-cycle batteries to power the included LED flood lights in the evening, and then re-charge during the day via solar power. Models come equipped with flood lights, automatic day/night control, battery, solar panel, weatherproof enclosure brackets and hardware.

Solar Panel

High performance design that provide excellent low light performance. Panels feature a heavy duty extruded aluminum frame with high transparency, low-iron tempered glass.

Charge Controller

Specifically designed for 12 Volt System charging, the controller in this system features precise voltage and current regulation and over voltage cut off protection.

Deep-cycle SLA Battery

Maintenance free, long life, high-energy sealed Lead Acid design provides years of reliable service under the most extreme conditions.

Junction Box included with all models that have 2 or 4 flood lights!



GENERAL SPECIFICATIONS

Series: **SSLK**

Operating Temperature: -40 to 140 °F (-40 to 60 °C)

Enclosure: Aluminum, Rainproof

Minimum Battery Reserve Time: See Model Tables

Estimated Battery Life: 4+ Years*

Installation: Side of Pole, Roof or Wall Mounted

Complete System Includes Solar Panel, Charge Controller, Deep-cycle Battery, weatherproof Metal Enclosure, Earth Grounding Kit, Solar Power Cables, Flood Light(s), Panel and Enclosure Mount.

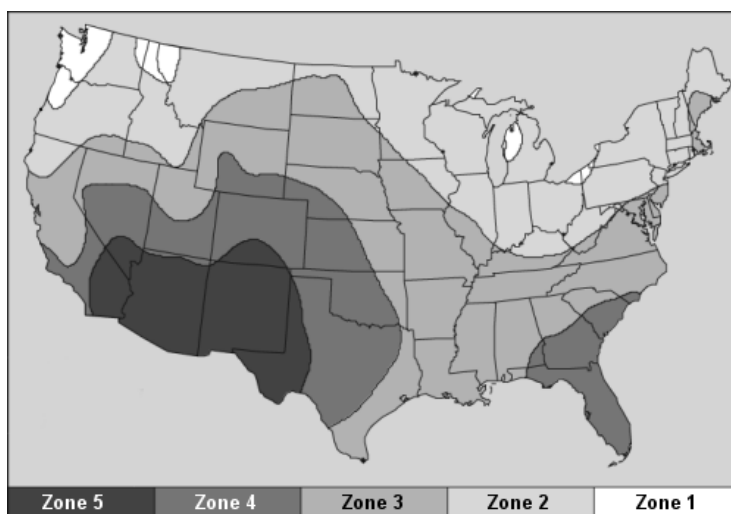
How to Select the Correct Solar Powered Sign Lighting System Kit.

1. Identify the zone your solar lighting system will be installed from the map on the right.
2. Decide how many total flood lights you will need.
3. Use the chart below to locate the correct "Code" letter and select your model number.

Example:

You require 2 lights to illuminate both the front and back of your sign.

Based on this example you would pick:
Letter "D1" or "D2" or "D3" for Zones 5 or 4,
"E1" or "E2" or "E3" for Zones 2 or 3, "F1" or
"F2" or "F3" for Zone 1.



Number of Flood Lights You Need Note: One LED Flood light is comparable to a 75 Watt Incandescent	1	2	4
Zone 1	C1, C2, C3	F1, F2, F3	I1, I2, I3
Zone 2	B1, B2, B3	E1, E2, E3	H1, H2, H3
Zone 3	B1, B2, B3	E1, E2, E3	H1, H2, H3
Zone 4	A1, A2, A3	D1, D2, D3	G1, G2, G3
Zone 5	A1, A2, A3	D1, D2, D3	G1, G2, G3

Model Number	SSLK-20W-35	SSLK-20W-55	SSLK-20W-100
Output Capacity (Letter Code)	A1	A2	A3
Solar Panel Capacity	20 Watt, 18V	20 Watt, 18V	20 Watt, 18V
Charge Controller	10 A	10 A	10 A
LED Flood Light (1 Ea.)	12V, 10 Watts	12V, 10 Watts	12V, 10 Watts
Battery Capacity	12V, 35 Ah	12V, 55 Ah	12V, 100 Ah
Battery Reserve	22 Hrs	33 Hrs	60 Hrs
Enclosure Size	17 x 17 x 10" (432 x 432 x 254 mm)	17 x 17 x 10" (432 x 432 x 254 mm)	17 x 17 x 10" (432 x 432 x 254 mm)

Model Number	SSLK-30W-35	SSLK-30W-55	SSLK-30W-100
Output Capacity (Letter Code)	B1	B2	B3
Solar Panel Capacity	30 Watt, 18V	30 Watt, 18V	30 Watt, 18V
Charge Controller	10 A	10 A	10 A
LED Flood Light (1 Ea.)	12V, 10 Watts	12V, 10 Watts	12V, 10 Watts
Battery Capacity	12V, 35 Ah	12V, 55 Ah	12V, 100 Ah
Battery Reserve	22 Hrs	33 Hrs	60 Hrs
Enclosure Size	17 x 17 x 10" (432 x 432 x 254 mm)	17 x 17 x 10" (432 x 432 x 254 mm)	17 x 17 x 10" (432 x 432 x 254 mm)

Model Number	SSLK-40W-35	SSLK-40W-55	SSLK-40W-100
Output Capacity (Letter Code)	C1	C2	C3
Solar Panel Capacity	40 Watt, 18V	40 Watt, 18V	40 Watt, 18V
Charge Controller	10 A	10 A	10 A
LED Flood Light (1 Ea.)	12V, 10 Watts	12V, 10 Watts	12V, 10 Watts
Battery Capacity	12V, 35 Ah	12V, 55 Ah	12V, 100 Ah
Battery Reserve	22 Hrs	33 Hrs	60 Hrs
Enclosure Size	17 x 17 x 10" (432 x 432 x 254 mm)	17 x 17 x 10" (432 x 432 x 254 mm)	17 x 17 x 10" (432 x 432 x 254 mm)

Model Number	SSLK-50W-75	SSLK-50W-100	SSLK-50W-150
Output Capacity (Letter Code)	D1	D2	D3
Solar Panel Capacity	50 Watt, 18V	50 Watt, 18V	50 Watt, 18V
Charge Controller	10 A	10 A	10 A
LED Flood Light (2 Ea.)	12V, 10 Watts	12V, 10 Watts	12V, 10 Watts
Battery Capacity	12V, 75 Ah	12V, 100 Ah	12V, 75 Ah (x2)
Battery Reserve	22 Hrs	30 Hrs	44 Hrs
Enclosure Size	17 x 17 x 10" (432 x 432 x 254 mm)	17 x 17 x 10" (432 x 432 x 254 mm)	18 x 18 x 18" (457 x 457 x 457)

Model Number	SSLK-60W-75	SSLK-60W-100	SSLK-60W-150
Output Capacity (Letter Code)	E1	E2	E3
Solar Panel Capacity	60 Watt, 18V	60 Watt, 18V	60 Watt, 18V
Charge Controller	10 A	10 A	10 A
LED Flood Light (2 Ea.)	12V, 10 Watts	12V, 10 Watts	12V, 10 Watts
Battery Capacity	12V, 75 Ah	12V, 100 Ah	12V, 75 Ah (x2)
Battery Reserve	22 Hrs	30 Hrs	44 Hrs
Enclosure Size	17 x 17 x 10" (432 x 432 x 254 mm)	17 x 17 x 10" (432 x 432 x 254 mm)	18 x 18 x 18" (457 x 457 x 457)

Model Number	SSLK-80W-75	SSLK-80W-100	SSLK-80W-150
Output Capacity (Letter Code)	F1	F2	F3
Solar Panel Capacity	80 Watt, 18V	80 Watt, 18V	80 Watt, 18V
Charge Controller	10 A	10 A	10 A
LED Flood Light (2 Ea.)	12V, 10 Watts	12V, 10 Watts	12V, 10 Watts
Battery Capacity	12V, 75 Ah	12V, 100 Ah	12V, 75 Ah (x2)
Battery Reserve	22 Hrs	30 Hrs	44 Hrs
Enclosure Size	17 x 17 x 10" (432 x 432 x 254 mm)	17 x 17 x 10" (432 x 432 x 254 mm)	18 x 18 x 18" (457 x 457 x 457)

Model Number	SSLK-80W-150	SSLK-80W-200	SSLK-80W-300
Output Capacity (Letter Code)	G1	G2	G3
Solar Panel Capacity	80 Watt, 18V	80 Watt, 18V	80 Watt, 18V
Charge Controller	20 A	20 A	20 A
LED Flood Light (4 Ea.)	12V, 10 Watts	12V, 10 Watts	12V, 10 Watts
Battery Capacity	12V, 75 Ah (x2)	12V, 100 Ah (x2)	12V, 100 Ah (x3)
Battery Reserve	22 Hrs	30 Hrs	44 Hrs
Enclosure Size	18 x 18 x 18" (457 x 457 x 457)	18 x 18 x 18" (457 x 457 x 457)	27 x 27 x 17" (686 x 686 x 432)

Model Number	SSLK-100W-150	SSLK-100W-200	SSLK-100W-300
Output Capacity (Letter Code)	H1	H2	H3
Solar Panel Capacity	100 Watt, 18V	100 Watt, 18V	100 Watt, 18V
Charge Controller	20 A	20 A	20 A
LED Flood Light (4 Ea.)	12V, 10 Watts	12V, 10 Watts	12V, 10 Watts
Battery Capacity	12V, 75 Ah (x2)	12V, 100 Ah (x2)	12V, 100 Ah (x3)
Battery Reserve	22 Hrs	30 Hrs	44 Hrs
Enclosure Size	18 x 18 x 18" (457 x 457 x 457)	18 x 18 x 18" (457 x 457 x 457)	27 x 27 x 17" (686 x 686 x 432)

Model Number	SSLK-120W-150	SSLK-120W-200	SSLK-120W-300
Output Capacity (Letter Code)	I1	I2	I3
Solar Panel Capacity	120 Watt, 18V	120 Watt, 18V	120 Watt, 18V
Charge Controller	20 A	20 A	20 A
LED Flood Light (4 Ea.)	12V, 10 Watts	12V, 10 Watts	12V, 10 Watts
Battery Capacity	12V, 75 Ah (x2)	12V, 100 Ah (x2)	12V, 100 Ah (x3)
Battery Reserve	22 Hrs	30 Hrs	44 Hrs
Enclosure Size	18 x 18 x 18" (457 x 457 x 457)	18 x 18 x 18" (457 x 457 x 457)	27 x 27 x 17" (686 x 686 x 432)

*Battery life is dependent on total system load, depth of charge cycles and ambient temperature conditions.

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Note: Continued product improvements make specifications subject to change without notice.
Check www.imagineinstruments.com for the latest product information and updates

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