100W Solar Outdoor LED Light - 5000 lms, Lithium Iron Phosphate Battery, MS, WR - IP67 Instruction Manual

Thank you for your purchase of the SPK-100W-1X-SBX.100-DCM from Larson Electronics.

WARNING

Standard Warning (General)

WARNING:

READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.
CRITICAL SAFETY INSTRUCTIONS:

- INSTALLATION SHOULD ONLY BE CONDUCTED BY A QUALIFIED ELECTRICIAN IN ACCORDANCE WITH NEC AND ANY RELEVANT LOCAL BUILDING CODES.
- RISK OF FIRE OR ELECTRIC SHOCK. FIXTURE INSTALLATION REQUIRES KNOWLEDGE OF FIXTURE'S ELECTRICAL SYSTEMS. IF NOT QUALIFIED, CONTACT A QUALIFIED ELECTRICIAN.
- BE CERTAIN ELECTRICAL POWER IS OFF BEFORE AND DURING INSTALLATION AND MAINTENANCE.
- MAKE SURE THE SUPPLY VOLTAGE IS THE SAME AS THE FIXTURE'S RATED VOLTAGE.
- TO PREVENT WIRING DAMAGE OR ABRASION, DO NOT EXPOSE WIRING TO EDGES OF SHEET METAL OR SHARP OBJECTS. SUITABLE FOR DAMP LOCATIONS.

Standard Warnings (LIGHTS)

IMPORTANT

READ CAREFULLY BEFORE INSTALLING THIS FIXTURE. SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE. THE SPK-100W-1X-SBX.100-DCM MUST BE WIRED IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL CODES. PROPER GROUNDING IS REQUIRED FOR SAFETY.

WE STRONGLY ENCOURAGE ONLY A LICENSED ELECTRICIAN INSTALL, OPERATE AND MAINTAIN THIS PRODUCT. IF YOU ARE NOT QUALIFIED OR UNFAMILIAR WITH ANY ASPECT OF THIS INSTRUCTION SHEET, CONSULT AN ELECTRICIAN. THERE ARE NO SERVICEABLE PARTS INSIDE.

WARNING: MAKE SURE POWER IS TURNED **OFF** BEFORE STARTING THE INSTALLATION OR PERFORMING ANY MAINTENANCE.

RISK OF FIRE/ELECTRIC SHOCK – DISCONNECT POWER AT BREAKER BEFORE INSTALLING OR SERVICING.
RISK OF PERSONAL INJURY – FIXTURE MAY BECOME UNSTABLE OR DAMAGED IF NOT INSTALLED PROPERLY.
RISK OF BURN – ALLOW FIXTURE TO COOL BEFORE SERVICING.

Never place light face down when light is on. Doing so could burn/ignite surfaces such as seats, carpeting, etc. and cause major property damage.

Avoid direct eye exposure the light source when light is on.
DO NOT touch lens of light when on or recently on. The lens/cooling fins will be hot after long periods.
DO NOT allow children to handle or operate this light.
DO NOT use this product for other than its intended use.
DO NOT operate in close proximity of combustible or flammable materials.
DO NOT attempt to operate this light if cord, plug, battery, lens, panel, or any part of the light is damaged or corroded.

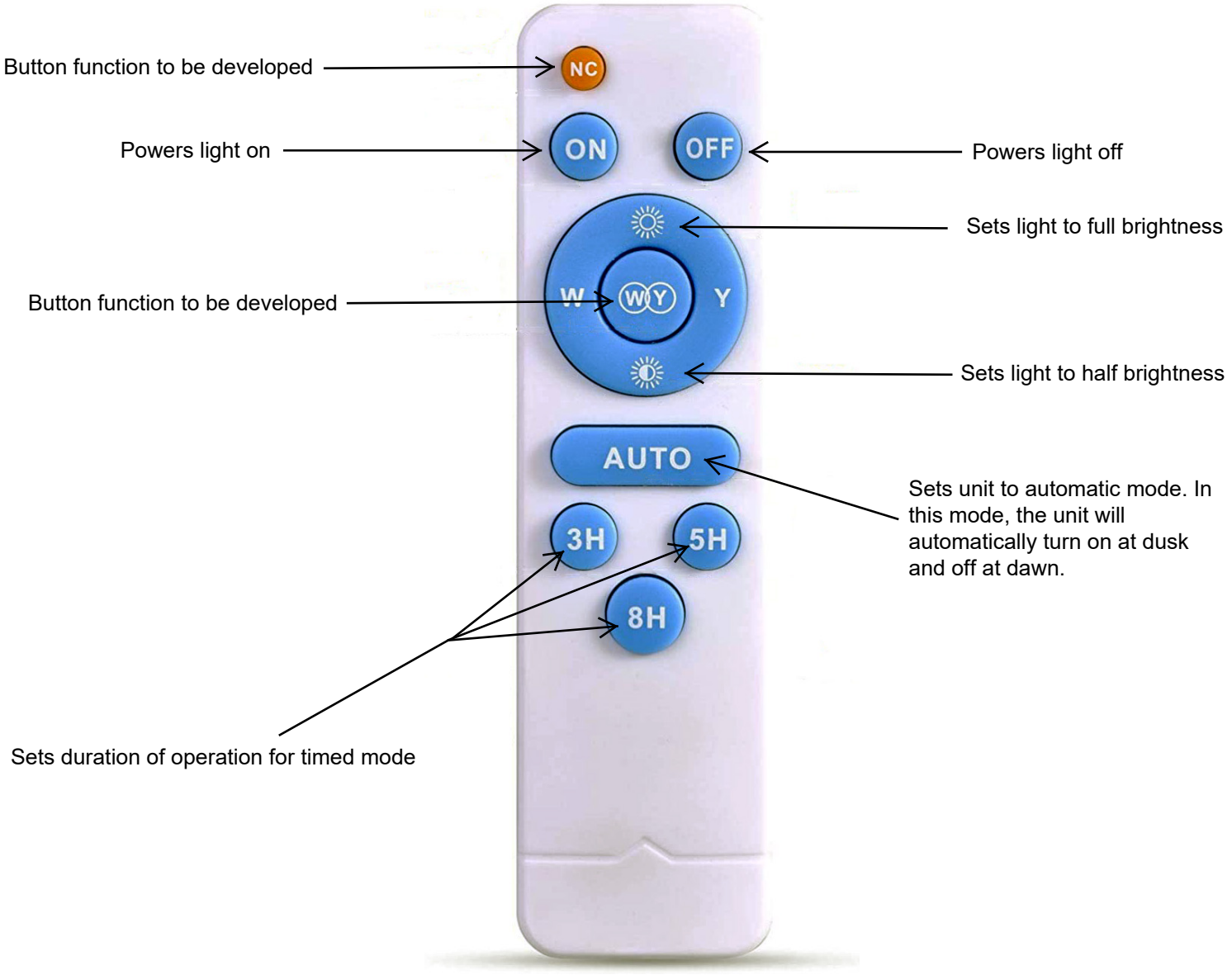
OPERATION

A wireless remote control enables selection of the following modes: Mode 1: automatic lighting, light on as dusk and off as dawn; Mode 2: timed operation, 3/5/8 hours or on/off any time. Mode 3: half light on the basis of mode 1 or 2.

SAVE THESE INSTRUCTIONS

OPERATION (cont.)

See image below for remote control layout.



MOUNTING

The LED light and solar panel both feature back-located adjustable brackets for surface mount installations in outdoor sites. The SPK-100W-1X-SBX.100-DCM includes all necessary hardware for installing the light and solar panel. Follow the guidelines below to properly mount the unit.

1. **Begin by choosing a location to install the unit.** This LED light and solar panel is IP67 waterproof and built to resist the damaging effects of an outdoor environment. This fixture should not be used in areas with no ventilation or extreme ambient temperatures.
2. **Affix the light to your chosen surface.** There are 3 predrilled holes on the trunnion bracket. These can be used any way suitable for the location. Plan a way for wiring to connect.
3. **Affix the panel to your chosen surface.** There are 3 predrilled holes on the trunnion bracket. These can be used any way suitable for the location. Mount the panel in a location where it will receive the maximum amount of sunlight possible. In full sun, the panel can fully recharge the battery in 6-8 hours. Plan a way for wiring to connect. There is a 12' cord between the solar panel and the light fixture.

WIRING

There is a 12' cord between the solar panel and the light fixture. Once both the panel and the light are mounted in the desired locations, operators must simply plug the end of the cord extending from the solar panel into the input whip on the light fixture. Push both ends together firmly when connecting to ensure proper connection.

MAINTENANCE

Caution: To avoid personal injury, disconnect power to the light and allow the unit to cool down before performing maintenance.

Warning: No user serviceable parts inside of fixture. Risk of electric shock. Removal of the lens will void the warranty.

1. Perform visual, mechanical and electrical inspections on a regular basis. We recommend routine checks to be made on a yearly basis. Frequency of use and environment should determine this. It is recommended to follow an Electrical Preventive Maintenance Program as described in NFPA 70B: Recommended practice for Electrical Equipment.
2. The lens on the lamp and the panel should be cleaned periodically as needed to ensure continued photometric performance. Clean the lens with a damp, non-abrasive, lint-free cloth. If not sufficient, use mild soap or a liquid cleaner.
3. Inspect the cooling fins on the luminaire to ensure that they are free of any obstructions or contamination (i.e. excessive dust build-up). Clean with a non-abrasive cloth if needed.
4. Do not operate if the lens is cracked or damaged. All fasteners should be properly seated.

USE AND CARE

Unauthorized modification may impair the function and/or safety of this device and could affect the life of the equipment. Always check for damaged or worn out parts before using the device. Store it in a secure place out of the reach of children when not in use. Inspect for good working condition prior to storage and before re-use.

REPLACEMENT PARTS

The SPK-100W-1X-SBX.100-DCM is designed to provide years of reliable performance. Should the need for replacement parts arise, please contact Larson Electronics.

THESE INSTRUCTIONS MAY NOT COVER ALL DETAILS OR VARIATIONS OF THIS PRODUCT FOR YOUR EQUIPMENT OR INSTALLATION REQUIREMENTS. SHOULD FURTHER INFORMATION NOT COVERED BY THESE INSTRUCTIONS BE REQUIRED, PLEASE CONTACT LARSON ELECTRONICS BY EMAIL AT SALES@LARSONELECTRONICS.COM OR BY PHONE AT 1-877-348-9680 FOR FURTHER ASSISTANCE.

PLEASE VISIT LARSONELECTRONICS.COM FOR **WARRANTY** AND **RETURN** INFORMATION.