

# 9450B Remote Area Lighting System Owner's Manual

## System Components

- |                    |                     |
|--------------------|---------------------|
| 1) Case            | 4) Telescoping Pole |
| 2) Lamp Head       | 5) Pivot Bracket    |
| 3) Tilting Bracket | 6) AC Transformer   |

## System Assembly

- Position the case with the latches facing you and open the lid.
- Remove the lamp head assembly from the case.
- Insert the long side of the tilting bracket into the spigot on the bottom of the lamp head.
- Insert the top end of the telescopic pole into the short side of the tilting bracket.
- Loosen the handle on the pivot bracket and move the pivoting arm into the general desired direction and slightly tighten the ratcheting handle. (Pulling the handle outward will disengage the locking mechanism and allow the handle to spin freely)
- Insert the base of the telescopic pole into the pivot bracket and turn clockwise to engage the threads on the spigot.
- Close the lid of the case.
- Slide the pivot bracket on to the mounting plate located on top of the case lid.
- Secure the pivot bracket by turning the torque wheel located at the base of the pivot bracket clockwise. Make sure the locating screws are mated properly to the mounting bracket.
- Tighten the wing bolt on the neck of the pivot bracket to secure the pole.
- Tighten the ratcheting handle on the pivot bracket to secure the pole position.
- Insert the cigarette plug from the lamp head into the 12V socket on the hinge side of the case.
- Aligning the tabs on the cigarette plug with the lock point arrows indicated on the cigarette socket to secure the plug in place. The green LED on the plug should illuminate to indicate there is power.
- Turn on the lamp head by pushing the black switch located at the base of the lamp head.
- Extend the telescopic pole to the desired height and tighten each clamp as necessary.

## Beam Pattern:

The 9450B Lamp Head comes equipped with a diffuser lens. To operate the light in spot mode, grab the top of the diffuser lens and pull away from the head to disengage the diffuser lens. **DO NOT SHINE THIS LIGHT DIRECTLY INTO ANYONE'S EYES: THIS MAY RESULT IN INJURY.**

## To Charge:

The 9450B RALS is equipped with an automatic purge valve which will allow venting of gases during normal battery charging conditions. Charging should be done in temperatures between 0°C and no higher than 40°C.

- Rotate the case so that the hinge side faces you.
- Insert the DC plug from the AC transformer into the DC input socket on the power panel.
- The charging LED should turn RED to indicate the unit is charging.
- When the charge LED turns GREEN the battery is fully charged.

NOTE: The unit can be left connected to the AC transformer indefinitely without worry of overcharging.

## SPECIFICATIONS

<b>Power:</b>	AC 100V-240V, 50/60Hz, 0.5A max DC 15V, 4A
<b>Total Lumens Output:</b>	1280 Lumens
<b>Lamp Power Consumption:</b>	25 Watts
<b>Max Luminous Intensity:</b>	8,000 Lux without Diffuser 250 Lux with Diffuser
<b>Burn Time:</b>	9 Hrs Peak Light Output 17 + hrs total visible light
<b>Illumination footprint @ 8 ft. extension:</b>	6 ft. diameter with diffuser
<b>Battery Rating:</b>	20Ahrs @ 2.0 A rate
<b>Output Current:</b>	10Amps Max
<b>Battery Type:</b>	Sealed Lead Acid, IATA Approved
<b>Output Voltage:</b>	12VDC Marine Cigarette Plug (x2)
<b>Battery Charge Time:</b>	6 Hrs

## Battery Care:

The 9450B lamp head is equipped with an automatic low battery cut-off circuit to prevent deep discharging of the battery.

Do not over discharge your 9450B RALS battery when using auxiliary devices. Deep discharging the battery below 50% depth of charge will dramatically decrease the life expectancy of the battery.

Always top charge the unit before any long term storage.

It is recommended to store the unit at (20°C) room temperature when possible.

A top charge should be done every 6 months to prolong battery life. Shelf life at 20°C is expected to be approximately:

**97% after 1 month    91% after 3 months    85% up to 6 months.**

The 9450B unit uses a 12 volt valve regulated lead-acid rechargeable battery that conforms to the UN2800 classification as "Batteries, wet, Non-Spillable, and electric storage" as a result of passing the vibration and pressure differential test described in D.O.T., 49 CFR 173.159(d), and IMO/IMDG, and ICAO/IATA packing instruction 806 and note A67.

The battery has met the related conditions and is EXEMPT from hazardous goods regulations for the purpose of transportation by DOT, and IATA/ICAO, and therefore is unrestricted for transportation by any means. If you require an MSDS sheet for the battery used in the 9450B, please contact our Pelican Products Customer Service Department.

## Battery Status Indicator

The 9450B comes with a battery status indicator located on the hinge side of the case. The status of the battery should be checked under no load condition with the lamp head OFF.

To activate the battery status meter, momentarily push the "PRESS" button on the power panel of the case. The RED LED's will illuminate to indicate the present condition of the battery.

- 1 LED = Charge unit immediately to prevent battery failure
- 2 LED = Low charge with less than 50% capacity
- 3 LED = Good charge with at least 90% capacity
- 4 LED = Full charge with over 90% capacity



## Battery Replacement:

The battery will last approximately 500 charge cycles under normal operation. Battery life can be prolonged if the unit is recharged immediately after 8 hours of use.

**Warning: If you do not feel comfortable changing the battery yourself, please contact Pelican Products Customer Service.**

## To replace the battery:

- Remove the foam on both sides of the battery box.
- Remove the 4 phillips screws on the top side of the battery box located inside the case.

NOTE: Do not remove screws that secure the battery box to the case.

- Slide the battery box cover towards the front of the case and lift upward to remove the lid.
- Remove the battery terminals using a 5/16" wrench and Phillips screwdriver.
- Lift the battery up and out of the battery box.
- Place new battery with the terminals facing up.
- Connect the black wire to the (-) Negative post.
- Connect the red wire to the (+) Positive post.
- Reinstall the battery box lid.
- Reinstall the 4 phillips screws.

