Larson Electronics LLC www.LarsonElectronics.com sales@larsonelectronics.com
9419 E US HWY 175, Kemp, TX 75143 - P: (800) 369-6671 - F: (903) 498-3364

RL-85-HID

TURNING THE LIGHT ON

The RL-85-HID has a single on/off push button to turn the light on and off. It is located on the handle underneath the ballast and behind the bottom of the lens.

POWER

1. The charger will have a green indicator light when the battery is fully charged. While the charger is intelligent enough to back off the charger when the battery is fully charged, it is not recommended that you leave the light on the charger indefinitely. Ultimately, the heat created by the charger and the battery will degrade the components. Leaving the battery charging for a day is not a big deal, but leaving the battery charging for weeks or indefinitely will degrade the life of the charger and the battery.
2. The charger will have a solid red indicator light when the battery is charging.
3. Charging time will vary based on the battery's condition. Maximum charge time is 4 hours.
4. You can run the spotlight from the charger when it is plugged into the wall. While the spotlight will run, the battery will not charge in this state.
5. This spotlight has a lithium ion battery. You can charge this battery as little or as much as you like without "memory" issues.

NOTE: Lithium ion batteries generally will discharge very slowly on the shelf. You can expect a fully charged battery to last 9-12 months on the shelf if fully charged when stored.

BEAM ADJUSTMENT

- The lens/reflector assembly is on a center threaded post. Rotating the lens/reflector causes the beam to expand or contract. Counterclockwise rotation creates a wider flood. Clockwise rotation creates a narrower, longer spot beam.
- The lens/reflector assembly can be removed completely to change to the red lens or while changing the bulb.

TO CHANGE THE BULB

1. Unscrew the ring holding the bulb in place.
2. Remove the 4 screws holding the top cover in place and the rear of the main housing. The screws are accessed from the underside.
3. Remove the top cover. Set the ballast aside.
4. Remove the 4 screws at the base of the ballast box housing (the big square box like structure at the end of the handle).
5. Slide back the protective sheath and expose the bullet connectors for the 2 leads coming from the HID bulb. Once the wires are disconnected, you can remove the bulb from the housing.
6. Inserting the wire leads first, place the new bulb in the same position as the old bulb.
7. Reconnect the bullet connections.

8. Replace the 4 screws at the base of the ballast box.
9. Replace the ballast, positioning the wires in the same manner as when first opened.
10. Replace the 4 screws that hold the ballast box cover in place.
11. Replace chrome bulb holding ring.

TO CHANGE THE BALLAST/STARTER

1. Remove the 4 screws holding the top cover in place and the rear of the main housing. The screws are accessed from the underside.
2. Remove the top cover. Set the ballast aside. Remove the 4 screws at the base of the ballast box housing (the big square box like structure at the end of the handle).
3. The ballast and starter are hard wired together and must be replaced together. The ballast and starter are linked to the incoming power via bullet connectors. Detach the bullet connectors and free the ballast/starter combination.
4. Reconnect the ballast/starter in the same manner as the replaced units.
5. Replace the 4 screws at the base of the ballast box.
6. Replace the ballast, positioning the wires in the same manner as when first opened.
7. Replace the 4 screws that hold the ballast box cover in place.

TO CHANGE THE BATTERY

1. Press Tabs and Pull Down (Do not pull too hard)
2. Unplug connector in battery stem
3. Reverse to attach battery