



LED16 - Canister Light System

TABLE OF CONTENTS

PAGE

3	Introduction
4	Warnings
5	Getting Started
5	Charging Information
5	Pre-Dive
6	Post-Dive/Transport
6	Technical Specifications
7	Records
8	Notes/Service
9	Contact

Introduction

Thank you for choosing the Hollis LED16 Canister Light System. To help ensure its high performance and reliability, please take the time to review and understand this manual.

This User's Guide describes the unique functions and features of the Hollis LED16 Canister Light System. The more acquainted that you become with your new light, the more you will enjoy your diving experience. By following the instructions in this guide, you will understand how your light works allowing the best use of its features. It is very important to first read the entire contents of this manual before attempting to use your new light.

The LED16 is manufactured with pride in the USA. All Hollis products are tested for function and water integrity before leaving the factory. Hollis products are constructed with the highest quality materials and utilize the latest computer aided design and manufacturing techniques to ensure their highest performance and reliability.





CAUTION: This denotes instances that if not handled properly could result in damage to the equipment.

NOTE: Represents important information.



CAUTION:

- It is essential that the diver read this guide to familiarize themselves with the proper setup, care, and use of any Hollis LED16 Canister Light System. If the instructions given in this guide are not understood and followed; serious damage to the light can occur.
- **DO NOT** interchange NiMh and LiPo batteries and/or chargers. The electronics on each model are designed specifically for that model's intended battery type. Using the wrong battery may cause combustion and injury.
- Avoid exposing the light to heat exceeding 100°F (37.7°C), such as in the trunk of a car, furnace rooms, engine rooms, etc. Prolonged exposure to heat will shorten the life of the batteries and possibly damage them.
- **DO NOT** use any chargers other than an authorized Hollis charger to recharge your light. Doing so may cause severe damage to the battery, and will void the warranty.
- **DO NOT** expose the charger to moisture, salt air, sand, or dust. Keep it clean and dry at all times.
- Prior to storage for any length of time, it is critical to ensure that the power leads have been disconnected.
- Avoid storing the light with the housing assembled. Allow the housing to vent by setting in place but not securing it onto the canister body.
- If moisture has entered the canister, **DO NOT** attempt to operate or store it with the housing assembled. Take the canister top off to dry. If moisture has entered the light head or internal canister, return to your Authorized Hollis Dealer immediately, where it should receive a factory authorized service and inspection.
- **DO NOT** store the light in a discharged state, or with the light head connected to the battery.
- Carry a cutting device and be prepared to free yourself from the light if necessary.
- **DO NOT** use any aerosols on the inside of the canister; as it could damage internal components or cause a fire hazard.

Getting Started

Please take the time to get familiarized with your new light. Included inside the box will be the light head connected to the canister lid, Canister body/ sealed battery and charger assembly.

Charging Information

1. Remove canister lid from body exposing the canister/battery connection
2. Attach the battery to the charger – Red to Red and Black to Black
3. Plug charger into wall outlet – Universal LiPo Smart Charger automatically adjusts to 110/220V current and 50/60Hz frequency.
4. Always ensure the charger is not covered and is not in direct sunlight.
5. Charge for 5 hours and disconnect after a full charge (the LED will display green) – DO NOT leave the charger attached to the battery for a prolonged period of time beyond the charging cycle as this could damage the battery and/or charger.
6. **NOTE:** The included 5.7-Amp 11.1V Lithium-ion Polymer (LiPo) rechargeable battery has a high energy density, very good cycle life and is environmentally friendly. LiPo batteries can be stored for several months without significantly losing charge. However, Unlike NiMh batteries, after use it is suggested to store in a partially charged state – but never fully charged as this could shorten the battery life or damage the battery

Pre - Dive

1. Confirm your battery pack has been charged for a full 5 hours and remove from charger.
2. Inspect the O-ring on canister lid and seat on canister body. Confirm the O-ring is in place and free of any contaminants.
3. Be sure to position the banana plugs on canister lid in contact with the canister/battery connection
4. Press canister lid onto the body and seal using the locking latches on both sides
5. Use of LED lamp out of water is not suggested for more than 30 seconds, however is suggested for Pre-Dive inspection. If used out of water for more than 5 minutes the LED can build excessive heat and will switch to a lower setting. This setting can be reset by switching the light off, then back on.
6. Take this time to inspect the glass surface and LED for any visible damage or loose particles. **Do not look directly into light!**

Post – Dive / Transport

1. Remove canister lid from the body and wipe with clean towel – This will help remove any possible gases and/or moisture. If any excessive moisture is present, recheck the O-ring.
2. Detach the light head from battery canister for transport to help avoid accidentally turning the light on/off possibly damaging the switch, battery and/or LED.

Technical Specifications

The LED16 canister system offers the power of HID with the reliability, durability and efficiency of LED technology. This system offers a concentrated beam that is preferred for exploration diving including underwater signaling. Powered with a Lithium-ion Polymer rechargeable battery, the LED16 burns at 1000+ lumens of brightness for 4 hours. This single LED offers the advantage of a very long 20,000 hour life and a concentrated 6° beam.

<u>Light Head</u>	<u>16 Watt LED</u>
<u>Weight</u>	<u>2lbs in water / 4lbs above water</u>
<u>Beam Degree</u>	<u>6 Degree</u>
<u>Burn Time</u>	<u>Approx. 4 hours</u>
<u>Output</u>	<u>1000+ Lumens</u>
<u>Bulb Life</u>	<u>20,000 hour life</u>
<u>Charging Time</u>	<u>Approx. 5 hours</u>
<u>Service Interval</u>	<u>Visually inspect o-ring before and after every dive</u>
<u>Battery</u>	<u>Lithium Polymer - 5.7A/h / 11.1DCv</u>
<u>Maximum Operating Depth</u>	<u>500 Feet / 152 Meters</u>

Records

Date of Purchase:

Hollis Dealer: _____

Dealer Phone No.:

Inspections & Service

[illegible]

Notes

MANUFACTURER WARRANTY – 1 Year Limited

For details, refer to the Product Warranty section on the Hollis web site.

www.HollisGear.com

SERVICE – Please refer to the link below for service issues with your LED16 Light

<http://www.lightmonkey.us/serviceform>

COPYRIGHT NOTICE

This user's guide is copyrighted, all rights are reserved. It may not, in whole or in part, be copied, photocopied, reproduced, translated, or reduced to any electronic medium or machine readable format without prior consent in writing from Hollis.

LED16 Canister Light System, Doc. No. 12-4055

©2009 Hollis

2002 Davis Street

San Leandro, CA USA 94577

TRADEMARK NOTICE

Hollis and the Hollis logo are registered or unregistered trademarks of Hollis. All rights are reserved.



2002 Davis Street, San Leandro, CA 94577

Phone: 888.383.DIVE / 510.729.5110

Fax: 510.729.5115

www.hollisgear.com

E-mail: info@hollisgear.com

International Support and Service:
www.hollisgear.com/international.asp