Orion® DualBeam™ LED

#5756 Adjustable Brightness Astro Flashlight

The DualBeam LED is a handy tool for the amateur astronomer. It has four LEDs (light emitting diodes), two white and two red, and a thumbwheel to adjust brightness. Turn the brightness up to walk around your observing site in the dark, or dim it down to read your star chart without losing your precious night vision. At the flick of the switch, the Dualbeam becomes a white-light LED flashlight for those times that you need brighter lighting and preserving night-vision is not an issue.

Operation

Rotate the thumbwheel forward until you hear a click and the LEDs turn on. Further rotating the thumbwheel forward will cause the LEDs to brighten. Find the position of the thumbwheel that provides adequate brightness for your observing situation. To turn the DualBeam off, rotate the thumbwheel backwards until you hear a click. To change from astronomy mode (red LED) to the conventional flashlight mode (white LED), push the switch next to the thumbwheel forward. Flip it back again to return to astronomy mode.

Place the nylon cord around your neck for a convenient way to carry the flashlight. The cord will also prevent the flashlight from dropping to the ground in the dark.

Batteries

The DualBeam uses a single 9-volt battery. Lithium batteries typically last longer than alkaline batteries, but any battery you choose will give relatively long life due to the small current draw of the LEDs.

Changing the batteries

When the LEDs refuse to emit at the desired brightness, it is time to change the battery. To replace the battery, first remove the front cap from the flashlight. Do this by depressing the tab located just in front of the thumbwheel while pulling the front cap off. Now, rotate the thumbwheel as far forward as it will go (the LEDs will be at maximum brightness). Continue pushing the thumbwheel forward until the circuit board begins to slide out of the flashlight. Grasp the front of the exposed circuit board and carefully pull it from the unit. Remove the battery from the battery terminals and replace it with a fresh one. Seat the circuit board back into the flashlight and replace the front cap. You will not need to change the battery again for quite some time.