

# **carstens®**

**84999-0017**

Wireless Motion Sensor  
Rechargeable LED Light Bar

## User Manual

## Thanks for your purchase!

To ensure proper use and trouble-free operation, please read this user manual thoroughly first.

The Carstens® Wireless Motion Sensor Rechargeable LED Light Bar provides convenient illumination wherever it's needed. The slim size of this wireless light bar allows for placement in tight spaces, like a wall desk or cabinet, and is easily secured to any surface.

Set the LED light to activate when the infrared sensor detects motion in dark or dim settings ("G" mode) or switch on/off manually. Fully wireless, the long-lasting battery is USB rechargeable.

## Package Contents

- Wireless motion sensor LED light bar
- Micro-USB cable and USB wall charger
- 3M adhesive foam tabs (double-sided)
- Magnetic strip (for installation on non-magnetic surfaces)
- User manual

## Technical Specifications

|                   |                                  |                  |   |
|-------------------|----------------------------------|------------------|---|
| LED Quantity      | 10 SMD 2835 bulbs                | Sensing Distance | ±10 feet (3 meters)                                 |
| Color Temperature | 3000-3500 Warm white             | Sensing Angle    | 120 degrees   |
| LED Brightness    | 100 LM ±20%                      | Battery          | Lithium-ion battery 3.7V 1000 mAh                   |
| LED Life          | >60000 hours                     | Product Size     | 7.5 in x 0.5 in x 1.33 in (190 mm x 34 mm x 125 mm) |
| Standby Current   | <c 35mA (Operating voltage 3.7V) | Weight           | .15 lbs   |
| Work Current      | < 250mA (Operating voltage 3.7V) |                  |   |

## Features

- Infrared sensor detects movement.
- In low light conditions, the light bar turns on when motion is detected in the range of 10 feet (3 meters) and turns off after 20 seconds if motion is no longer detected.
- Built-in sensor doesn't activate in bright environments to conserve battery power.
- Three modes: On, Off, and "G" (Sensor). Manually turn the light bar on to work in always bright mode and manually turn it off when not needed. In the sensor light mode ("G"), the light bar automatically turns on when motion is detected and turns off in 20 seconds if motion is no longer detected.
- Built-in lithium-ion battery can be charged via the micro-USB cable.
- Built-in magnet easily secures light bar to any magnetic surface. For non-magnetic surfaces, use the included mounting accessories for hassle-free installation.

## Installation (Magnetic Surface)

1. Choose desired installation location (magnetic surface).
2. Place light bar (built-in magnet will automatically affix to surface). Straighten or adjust as necessary.
3. Remove the black tape covering the infrared sensor to operate the light bar in "G" mode.

## Installation (Non-Magnetic Surface)

1. Choose desired installation location (non-magnetic surface).
2. Peel off the film from one side of the 3M foam pads, and secure them to the magnetic strip.
3. Peel off the remaining film from the other side of the foam pads, then secure the magnetic strip with exposed adhesive to the non-magnetic surface, pressing firmly.
4. Place light bar (built-in magnet will automatically affix to strip). Straighten or adjust as necessary.
5. Remove the black tape covering the infrared sensor to operate the light bar in "G" mode.

## Charging

To charge, use the micro-USB cable to connect the light bar to the port on the wall charger (both supplied). Alternatively, connect the cable to the USB port on a PC. The indicator on the light bar is red during charging and turns to green once the light bar is fully charged.

When low power occurs and the light powers off automatically, the light bar needs to be charged. If the light bar isn't in use for an extended period, charge at least once a month to lengthen the battery life.

## **Troubleshooting**

### **Light automatically shuts off after turning on**

Low battery. Charge the light bar for 2 hours.

### **Light automatically shuts off during use**

Low battery. Charge the light bar for 2 hours.

### **Light won't turn on**

Check whether the power switch is turned on and whether the battery is working.

### **Light turns on automatically**

Do not place the light bar near a window, door, air vent, or air conditioner. Strong air flow will interfere with the sensor.

### **Light becomes dim**

Low battery. Charge the light bar for 2 hours.

### **Sensor does not work**

Ensure no objects are blocking the sensor.

## **Please Note**

- The operating temperature should be in the range of 23°F to 104°F (-5°C to 40°C).
- The light bar is not waterproof. Do not use it in wet areas.

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