

LE-4020-D-B

LE-4020-D-B Controller Mounting Box Compatible with Golight 2020/2067 Lights

Product ID: 317

Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Image: LE-4020-D-B

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

Powder coated, stamped steel mounting box. The box is completely enclosed. An access hole in the rear of the unit is large enough to enable the connectors for the Golight Radioray 2020 and Golight Radioray 2067 to pass through the back.

DOES NOT INCLUDE WIRED REMOTE CONTROL

4 of 10-32 machine screws hold the remote to the box. They also secure the rear enclosure to the front of the mounting box.

The box can be used as a handheld dash mount remote or mounted to any surface via 4 10-32 screws

This box has 2 purposes. For those needing a wired handheld remote control for the Golight



Radiatoray 2020 (Golight 2067) or Golight 2020-M (Golight 2067 - magnetic mount), this is an option. Additionally, this mounting box eliminates the need to cut a hole in the mounting surface (dash etc.). Instead, you can drill 4 small holes and mount the controller. No cut out necessary.

Frequently Asked Questions (FAQ)

Q. Should I order a 12V or 24V light?

A. Most customers need a 12V light. Standard vehicles and ATVs operate on 12V. Military vehicles operate on 24V. 24V does not mean it will be brighter. Operating a 24V light on a 12V power source will make halogen lights half as bright while LED lights will not operate. The motors will rotate very slowly and the light will appear broken.

Q. What is the difference between Radioray and Radioray GT models?

A. The Radioray GT series was introduced in 2019. The upgraded Radioray GT series features: updated exterior housing, higher torque drivetrain, more precise pan/tilt control, upgraded stainless steel mounting bracket, enhanced resistance to vibration and impact, and new wiring harness.

Q. I own a halogen Radioray. Can I upgrade to a LED light or do I need to purchase a new light?

A. Yes. Halogen lights can be upgraded to LED by purchasing the GL-15444 LED module. This is compatible with GL-2XXX, GL-5XXX, GL-7XXX, and GL-9XXX models.

Q. What remote options are available for the Radioray?

A. We offer wireless handheld, wireless dash mount, and hard wired dash mount remotes for the GL-2XXX, GL-7XXX, and GL-9XXX series. The GL-5XXX series is only offered with a hard wired in-line remote.

Q. For wireless remotes, what is the operating distance and frequency?

A. The wireless handheld and wireless dash mount remotes operate up to 100' distance away from the light. The remote operates on 433 Mhz.

Q. Can I convert my hardwired light to a wireless remote?

A. If the light was originally manufactured as both wireless and hard-wired, you can purchase a replacement remote and program it to your light. If you purchased a military spec 24V light with no transceiver, the light cannot be converted to wireless.

Q. How long is the power cord?

A. For permanent mount lights with wireless remotes, a 1-foot power cord is provided with tinned leads ready for installation. For portable models, a 15-foot power cord with a universal 12V cigarette plug is provided. We offer alternative cords for portable models that can be purchased separately, including ring terminals and battery clamps. For permanent mount lights with hard wired remotes, we offer 20-foot and 32-foot remote cables.

Q. Can I control multiple lights from one remote?

A. Yes. For wireless remotes, both lights must be programmed to the same remote. See reprogramming instructions on GL-30100 for how to do this. For hard wired lights (excluding GL-5XXX series), a Y-splitter cable is needed. Part numbers for Y splitter varies by model. Contact sales to purchase a Y-splitter cable.

Q. Can I control one light from two remotes?

A. Yes. For wireless remotes, both remotes must be programmed to the same light. See reprogramming instructions on GL-30100 for how to do this. For hard wired lights (excluding GL-5XXX series), a X-splitter cable is needed. Part numbers for X splitter varies by product. Contact sales to purchase an X-splitter cable.



Q. Can I purchase a longer remote harness for my light with a hard wired remote?

A. Yes. We offer replacement cable and extension cable in 20-foot and 32-foot. An extension cable will plug in between your existing cable and the light. A replacement cable fully replaces your existing cable. Part numbers for these cables by product. Contact sales to purchase extension or replacement cables.

Q. What is the amp draw of my light?

A. Halogen lamps draw 5.5 amps at 12V DC. LED lamps draw 3.7 amps at 12V DC.

Q. Are replacement parts available for my existing light?

A. Yes. Replacement parts are available for most models. You can purchase them directly from our website, or contact sales.

Q. Can you repair my light for me?

A. Yes we can. Before sending in your light for repair, you must obtain a Return Authorization Number and include the RGA form in the packaging with your light. Service repair fees may apply.

Q. I purchased a military surplus 24V light, can you convert it to 12V?

A. The light can have the internal board converted to 12V. A cheaper and faster solution is to purchase our 12V to 24V transformer (part # DCP-12x24-10A-WP). This will be wired between the power source and light, and allow the 24V light to operate on a 12V vehicle.



Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **Dimensional Drawing 2D** (<https://www.larsonelectronics.com/images/product/DimensionalDrawing/317.PDF>)
- **Operations Manual** (<https://www.larsonelectronics.com/images/product/Manual/317.PDF>)
- **SpecSheetSpanish** (<https://www.larsonelectronics.com/images/product/SpecSheetSpanish/317.PDF>)
- **STEP File (3D CAD Model)** (<https://www.larsonelectronics.com/images/product/Step/317.ZIP>)
- **HigResPic1** (<https://www.larsonelectronics.com/images/product/HigResPic1/317.JPG>)
- **ISO 9001 Certification** (<http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF>)
- **Business Certificate** (<https://www.larsonelectronics.com/images/pdfdocs/w9.PDF>)
- **Shipping Time Map** (<https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf>)