

Mini Recessed RGB LED Light

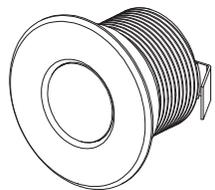
Rated for indoor or outdoor use

This 1.2 watt low voltage recessed RGB LED light is available with interchangeable trim shapes, colors and finishes to seamlessly complement any architecture or décor inside or outside your home, boat or RV. Round trim options include 1-1/2 in. diameter with a detachable light shield, or for a larger fixture presence, choose the 2-3/4 in. diameter. Square 1-1/2 in. trims are also available. Choose from various colors and finishes including white, black and silver polycarbonate thermoplastic to brushed steel and bronze metal trims as well as professional powder coat finishes. For outdoor use, aluminum metal trims with powder coat or electroplated finishes will hold up longer to the elements. Visit your retailer or armcastlighting.com/mini-light to view current selections and light trim availability.

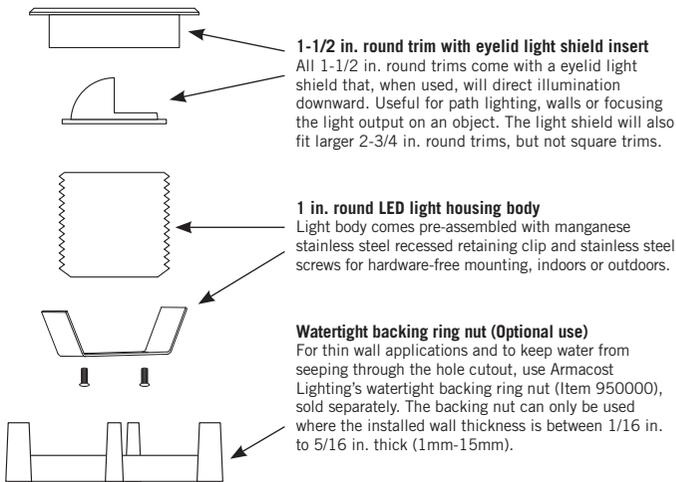
- With red, green and blue LED chipsets, the RGB Mini Recessed LED light can produce a near endless array of colors, plus shades of white, making it exceptionally versatile for creative accent lighting.
- Features 0-100% full range smooth dimming. Dim only by using an Armcast Lighting 12-volt DC RGB LED controller. RGB color controllers blend the red, green, and blue LED colors to create custom colors and color-changing effects.

Various models are available, to learn more visit armcastlighting.com.

- When recessed mounted in a wall and using optional watertight backing ring nut and a silicone sealant (sold separately), this LED fixture is appropriate for use in light pressure underwater applications up to 20 inches (1/2 meter) in depth such as boat bait wells, showers and tubs. Do not use this light fixture below a boat's water line.



All Mini Recessed lights require a screw-on trim for mounting. Sold separately, choose 1-1/2 in. diameter round or square trims, or 2-3/4 in. larger round trims. Various colors and finishes available. To learn more, visit armcastlighting.com/mini-light.



SPECIFICATIONS

- Input Voltage 12-volt DC, Consumes 1.2 Watts at 100% Brightness, 35,000+ Hours LED Life
- Requires 12-volt DC Constant Voltage Power Supply, Sold Separately
- Fully dimmable and color-adjustable with Armcast RGB LED color controllers
- Materials: Sealed Thermoplastic Light Housing, Stainless Steel Clip and Screws
- Beam Angle: 100°
- Indoor/Outdoor Wet Location IP66 Rated
- Ambient Operating Temperature Range: -4°F - 140°F (-20°C - 60°C)
- No UV radiation, RoHs compliant, Lead Free
- IC Rated, intended for installations where insulating materials may or may not be present
- ETL Listed, Certified to CSA C222.2 No. 250.0-08, Conforms to UL 2108



INSTALLATION

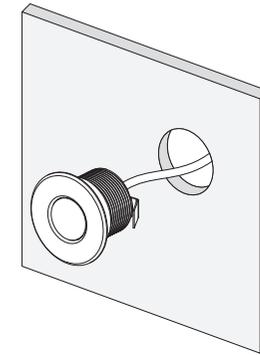
Installing low voltage LED lighting is an easy DIY project, however, basic wiring skills such as stripping, splicing, extending, and connecting wires are required. This product operates on low voltage 12-volt DC power and requires an RGB color controller and a 12-volt DC power supply, sold separately. Do not connect lights directly to 120-volt AC household power.

- Always observe polarity for 12-volt connections. Red (R), Green (G), and Blue (B) wires should connect to like colors from the controller output. The 12V+ wire will be white or black.
- Use only insulated staples and plastic ties to secure cords and wires.
- Route and secure wires so they will not be pinched or damaged.
- For any wire runs inside of walls, use properly certified CL2 or better cabling.
- Do not install Class 2 low voltage wiring in the same runs as AC main power. If AC and low voltage wires cross, keep them at 90-degree angles.
- All wiring must be in accordance with national and local electrical codes, low voltage Class 2 circuit. If you are unclear as to how to install and wire this product, contact a qualified professional.

Hole cutout size

1-3/8 in. (35mm) when using rigid material (wood, plastic, fiberglass, metal)

1-1/4 in. (32mm) when used in drywall



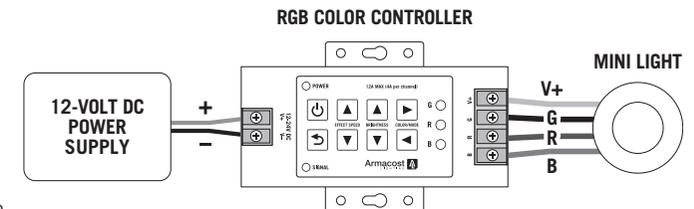
Wall surface should be a minimum of 3.8 in. thick when light is mounted with spring clip. For thinner walls, use Armcast Lighting's screw-on backing nut, (Item # 950000), sold separately.

Hole should have a depth or clearance of at least 1-1/2 in. (38mm) in order to accommodate the LED light housing and wiring.

With trim screwed securely in place, simply press light fixture into hole. Spring clips will hold light securely in place. Adding a small amount of silicone sealant under the trim ring and on the light housing can also be used in wet location applications.

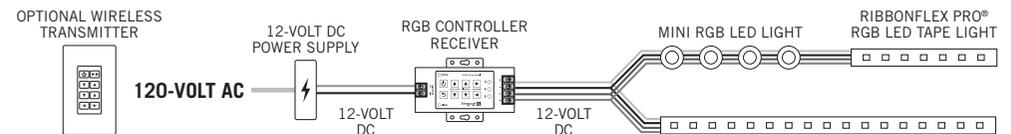
Typical connection

Connect RGB Mini Lights to the low voltage output of your 12-volt RGB color controller as shown. 4-wire RGB connections should have colors aligned, red to red, green to green, etc., with the 12V+ wire being either white or black. Each light will use 1.2 watts at full brightness 100% white light. Do not exceed the wattage capacity of your power supply.



Works with RGB Color-Controlled Tape Lighting

RGB lights can be linked together or combined in the same 12V low voltage circuit with RibbonFlex Pro® Custom Color RGB LED Tape lighting



Limited 2-year warranty. Improper installation, improper powering, abuse, or failure to use this light for its intended purpose will void warranty. Proof of purchase is required for all returns. Questions? Email support@armcastlighting.com.