


Meljac Reading Lamp - Installation Instructions

Product should be installed by a certified electrician or other qualified person, in accordance with local electrical codes and regulations.

 **CAUTION:** To prevent shock or electrocution, always turn off electrical power at the main circuit panel before installation or maintenance.

BACK BOX INSTALLATION

- Confirm that the appropriate back box is used for the corresponding Meljac plate size. See the Plate Size and Back Box Guide for more information.
- Back box must be mounted in a level position. Plate does not allow for leveling adjustment.
- Back box should be installed flush with the finished wall surface and must not sit proud of the wall.

PLATE INSTALLATION

- Plates must be installed on a flat, dry wall surface, after all finishing and painting is complete. Do not install on a wet surface.
- If painting work is required after installation, unscrew the plate and store in a protected location. Never apply tape or adhesives to the Meljac plate.
- Use an appropriate T10 Torx screwdriver for plate installation. Do not use an electric screwdriver or drill.

WIRING INSTRUCTIONS – LINE-VOLTAGE

This method is for standalone operation using the internal toggle switch to directly control power to the supplied LED driver. The lamp is powered by the RACD04-350 constant current LED driver (350 mA, 4W max).

Product Datasheet – [RACD04-350](#).

Wiring Steps (diagram on p. 3):

- Connect ground wire (green) to the ground post on the plate. Ensure this is bonded to both the fixture and the junction box if metal.
- Connect the neutral (blue) wire from the main electrical line to the blue wire on the RACD04-350 driver.

- Connect the line (brown) wire from the wall to the “L” terminal of the toggle switch.
- From the switched output terminal on the toggle, run a wire to the brown (line-in) wire on the RACD04-350.
 - If the “L” connection on the switch is in the top position, connect the wire to contact #1
 - If the “L” connection on the switch is in the bottom position, connect the wire to contact #2
- All low-voltage driver-to-lamp connections are pre-wired and require no modification.
- Secure the plate to the junction box using the supplied 6/32 screws.

Note: The toggle switch directly controls power to the driver. The driver then powers the LED at 350 mA constant current. Do not use dimmers or alternate power sources.

WIRING INSTRUCTIONS – CONTROL SYSTEM

This method is for integration with a lighting control system (e.g. Lutron HomeWorks) using:

- A switched 120V line to power the lamp (via the RACD04-350 driver), and
- A momentary toggle or push button connected to a Contact Closure Interface (CCI)

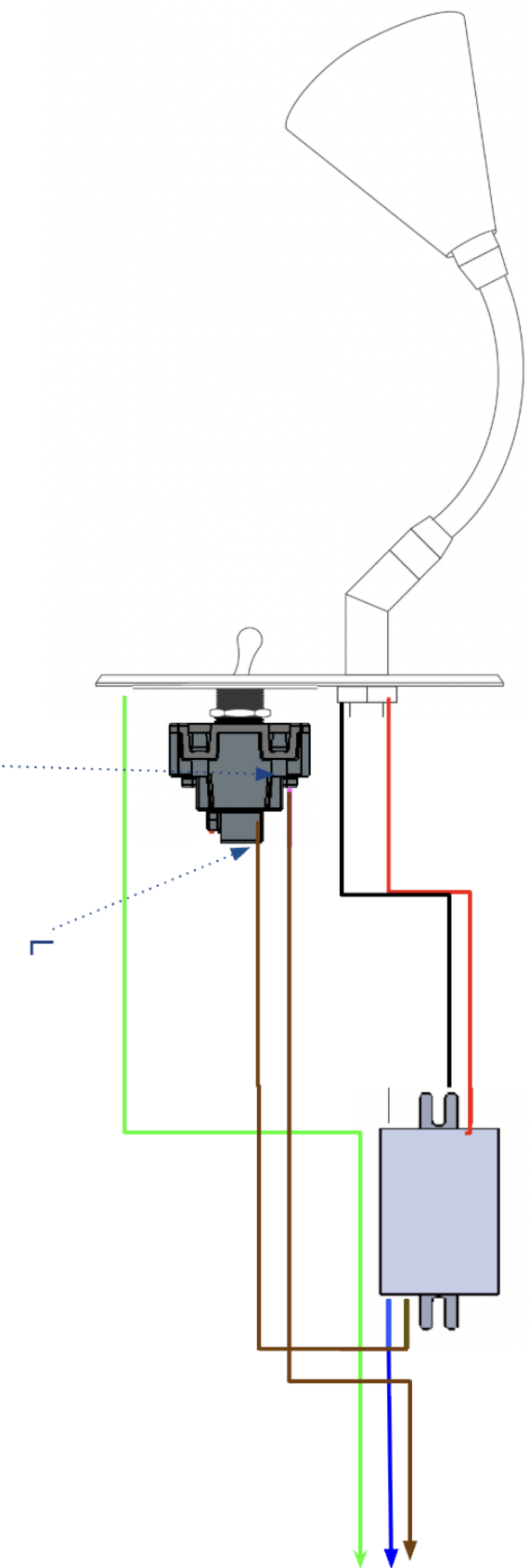
Wiring Steps:

- Connect the brown wire (line input) on the RACD04-350 to a switched 120V “switch leg” from the control system.
- Connect blue wire (neutral) to the neutral bus.
- Connect green ground to the fixture plate and electrical box.
- The driver’s DC output is pre-wired to the LED module and should not be modified.
- Wire the common terminal of the momentary toggle to the common (COM) terminal on the CCI.
- Wire top contact (e.g., position #1) to Input 1 on the CCI (this triggers ON).
- Wire bottom contact (e.g., position #2) to Input 2 on the CCI (this triggers OFF).
- In the lighting control system, program Input 1 as a momentary input that turns the load ON and Input 2 to turn the load OFF.

Note: Inputs must be configured as single-action momentary triggers. Do not configure as toggles or maintained inputs.

PLATE CARE & MAINTENANCE

- Do not use chemicals, cleaners, or solvents.
- Use only a dry microfiber cloth or dusting rag.
- Avoid moisture or damp conditions near the plate.



Connected to top contact. When the “L” connection is in the top position this will be contact #1.

If the “L” connection on the switch is in the bottom position then it will be contact #2.