

INSTALLATION INSTRUCTIONS - MPT2-RT-2R/S and 4R/S

For Remote Dimming Options with 2-1/2" & 4" Backplate

CAUTION: TO AVOID RISK OF FIRE OR ELECTRIC SHOCK

Turn off power at circuit breaker or fuse panel & read instructions completely before proceeding. Failure to follow instructions may void warranty. Save these instructions.

- Installation must conform to National Electric code and local regulations.
- Installation must be by a qualified electrician only.
- Verify correct dimming system, LED type, power supply type and input supply requirements.
- Always allow LED assembly to cool before servicing.
- Do not install where insulation or ambient temperature will exceed maximum values noted in product specifications.
- See www.8lighting.com for current product specifications.



MPT2-RT-2R



MPT2-RT-2S

MPT2-RT-2R/S Install and Adjust with 2-1/2" Backplate

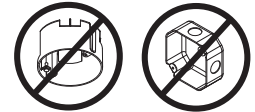
Step 1 Verify suitable mounting location and blocking requirements. Fixture does not mount to standard junction box - **FIG 1.1**.

Step 2 Wire remote power supply according to wiring instructions on pages 3-5

Step 3 Drill 3/4" hole at fixture location through blocking or suitable surface. Route Class 2 wiring from remote power supply to fixture location and pull through hole - **FIG 1.4**.

Step 4 Install Mounting Bracket after making wire connections. Position Fixture Backplate as desired & tighten set screw in Backplate - **FIG 1.3**.

Step 5 (Adjustment) Remove Housing from Heat Sink as shown & remove Accessory Ring to remove or install accessories. Loosen set screws slightly (DO NOT remove) with Hex Keys provided to adjust head tilt or rotation as shown. Lock position by tightening set screw - **FIG 1.2 & 1.3**.



Does not require a standard size junction box.

FIG 1.1

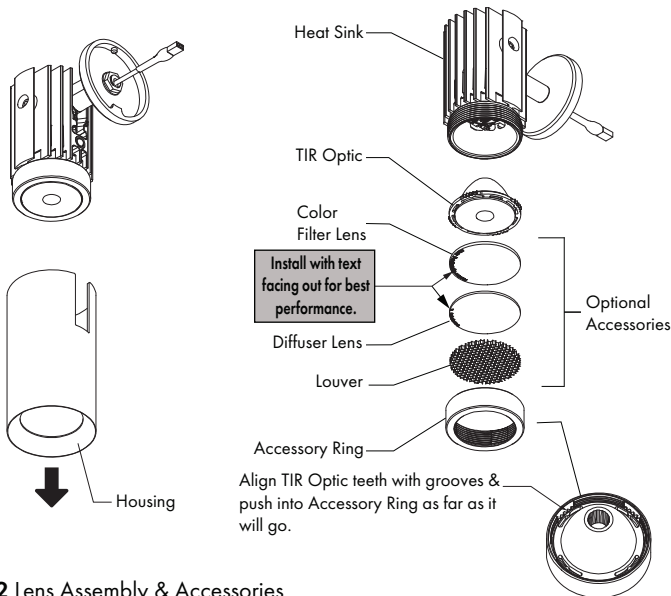


FIG 1.2 Lens Assembly & Accessories

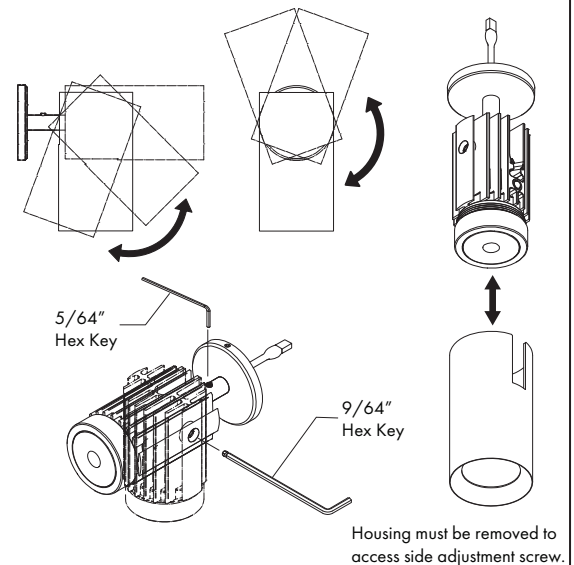


FIG 1.3 Fixture Adjustment

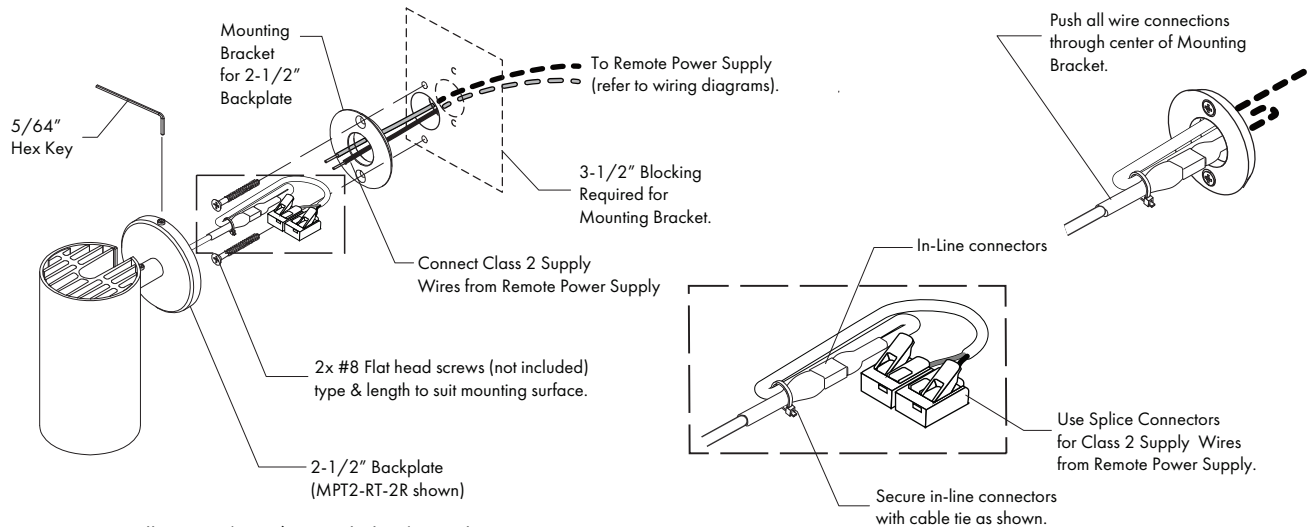


FIG 1.4 Wire & Install Fixture (2-1/2" Backplate) - Without Junction Box

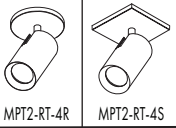
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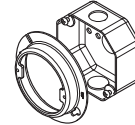
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- Verify correct dimming system, LED type, power supply type and input supply requirements.
- Always allow LED assembly to cool before servicing.
- Do not install where insulation or ambient temperature will exceed maximum values noted in product specifications.
- See www.8lighting.com for current product specifications.



MPT2-RT-4R/S Install and Adjust with 4" Backplate

- Step 1** Verify suitable mounting location, junction box and blocking requirements - **FIG 2.1**.
- Step 2** Wire remote power supply according to wiring instructions on pages 3-5.
- Step 3** For installations without a junction box, drill 3/4" hole at fixture location and pull through blocking or suitable surface. Route Class 2 wiring from remote power supply to fixture location and pull through 3/4" hole - **FIG 2.4**.
- Step 4** Install Mounting Bracket after making wire connections. Position Fixture Backplate as desired & tighten set screw in Backplate - **FIG 2.3 & 2.4**.
- Step 5** (Adjustment) Remove Housing from Heat Sink as shown & remove Accessory Ring to remove or install accessories. Loosen set screws slightly (DO NOT remove) with Hex Keys provided to adjust head tilt or rotation as shown. Lock position by tightening set screw - **FIG 2.2 & 2.3**.



Optional 4" x 1-1/2" deep junction box with 4" Round x 1/2" (min) deep mud-ring for REMOTE dimming options with 4" Backplate.

FIG 2.1

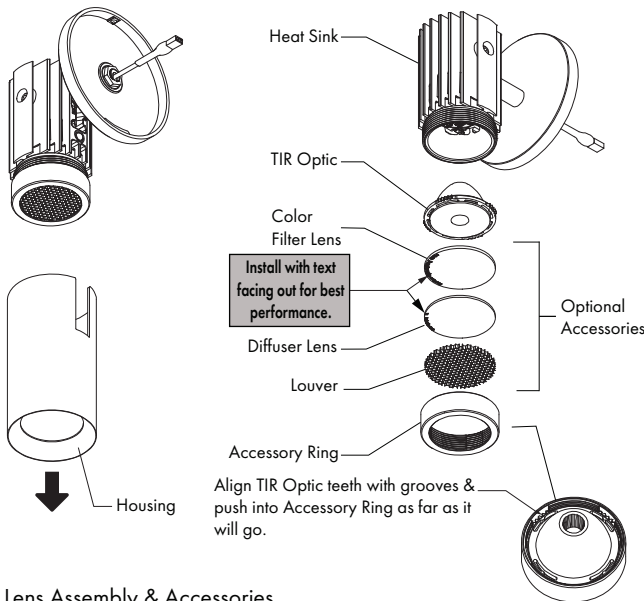


FIG 2.2 Lens Assembly & Accessories

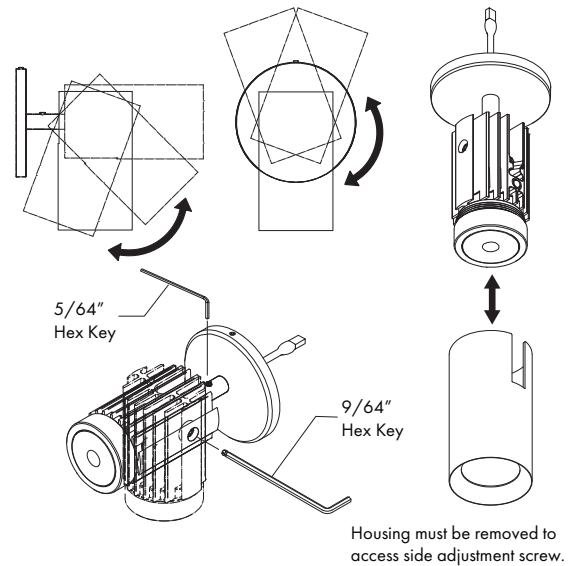


FIG 2.3 Fixture Adjustment

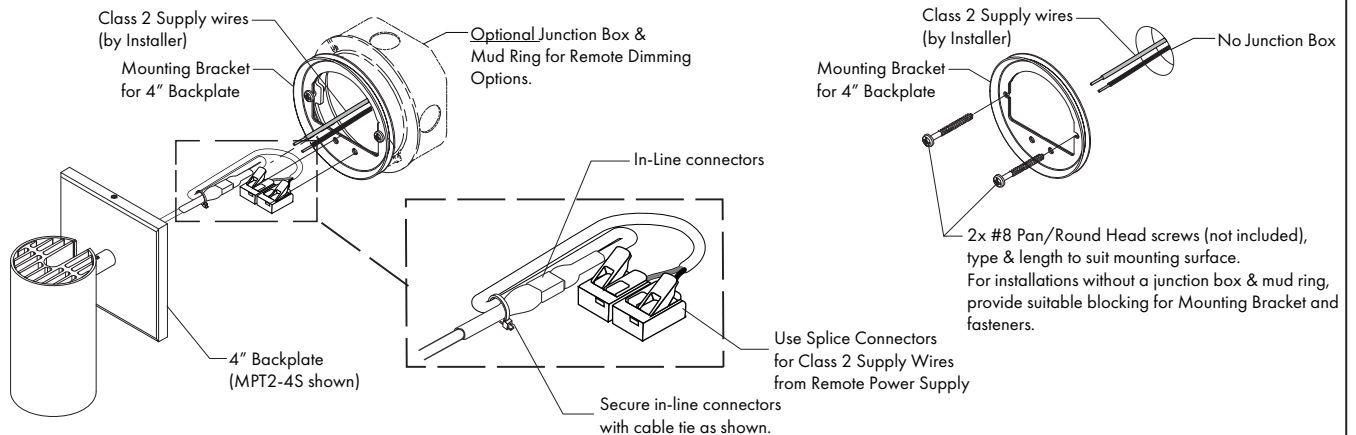


FIG 2.4 Wire & Install Fixture (4" Backplate) - With & Without Junction Box

WIRING INSTRUCTIONS - MPT2-RT-2R/S and 4R/S

For Remote Dimming Options PR1/EL1/EL1-01/EL2/EL2-01/EL6/EL6-01/EL7/EL7-01/LU2-M-RT

Wiring Connections

1. For compatible dimmers see: www.8lighting.com/resources-downloads.
2. Verify correct power supply model (see label on cover plate), LED type (see label on fixture), wire length and gauge (see chart below) and input requirements (see label on driver) - **FIG 3.1 & 3.2**.
3. Install & wire remote power supply assembly - **FIG 3.1** & Wiring Diagrams on Pages 4-5.
4. Connect fixture supply wires to Class 2 wiring - **FIG 1.4 & 2.4**.
5. Push fixture supply connections completely behind Mounting Bracket - **FIG 1.4 & 2.4**.

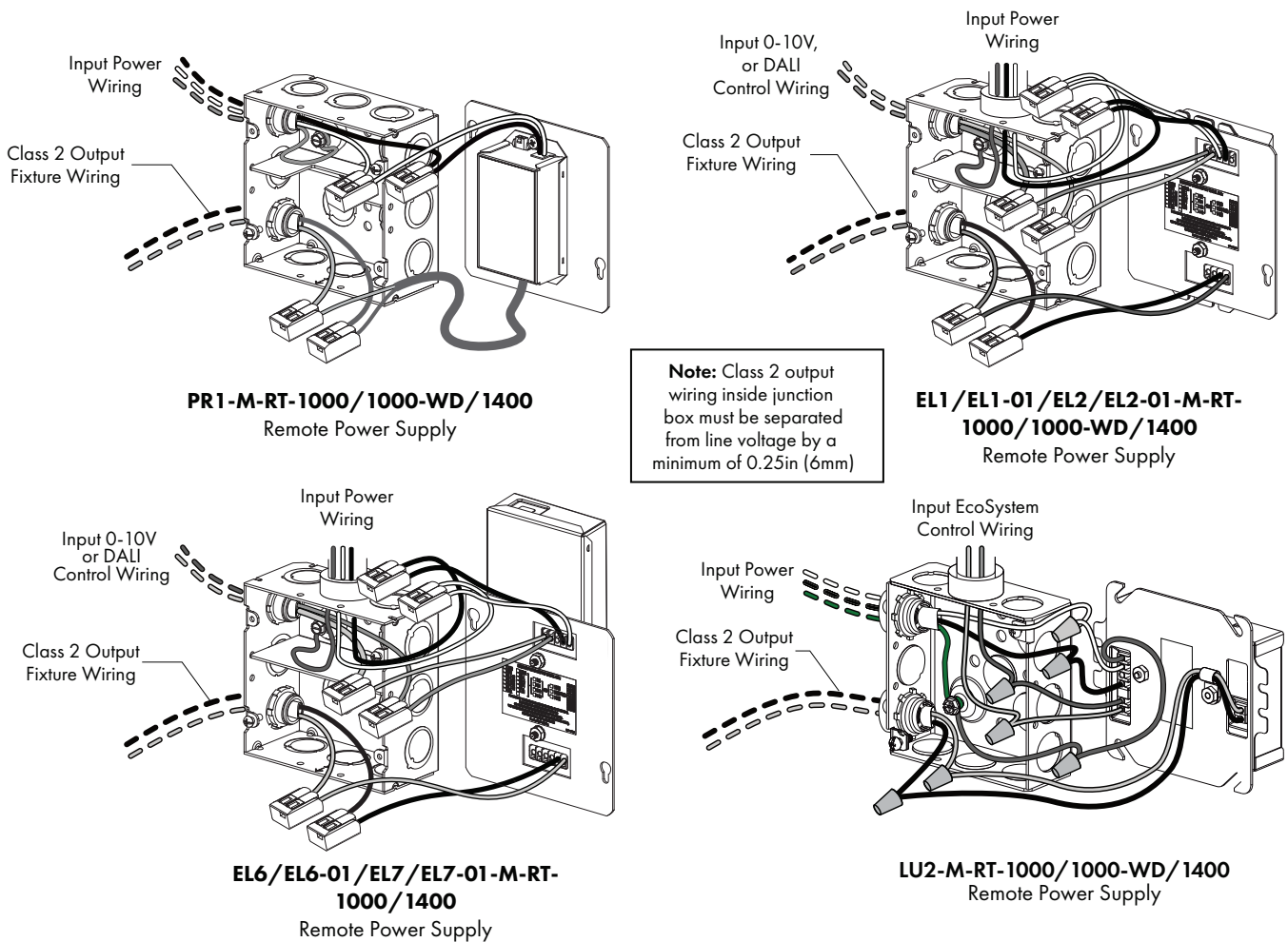


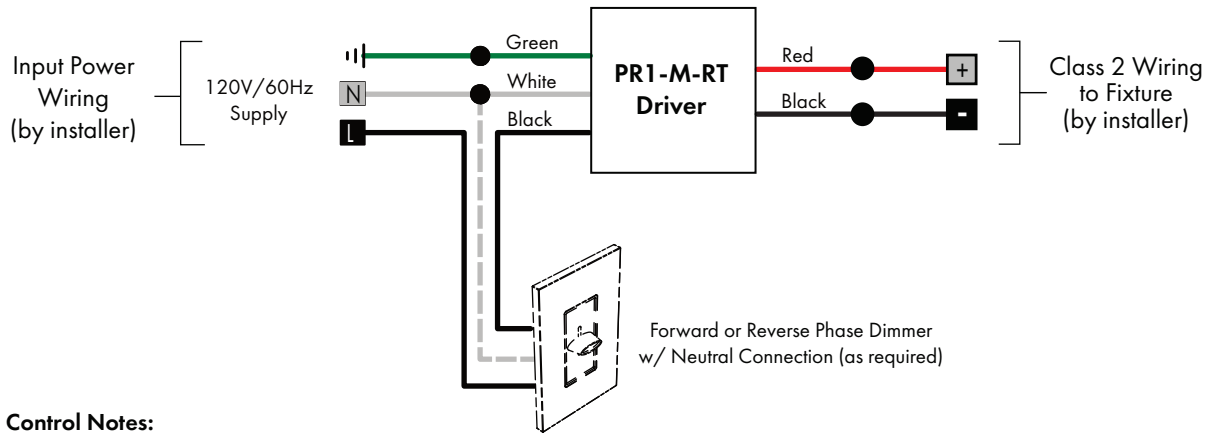
FIG 3.1 Wire & Install Remote Power Supply

Maximum REMOTE Driver-to-LED Light Engine Wire Length				
Driver Model				Wire Gauge
PR1/EL1/EL1-01/EL2/EL2-01-M-RT 1000/1000-WD/1400	EL6/EL6-01/EL7/EL7-01-M-RT 1000/1400	LU2-M-RT 1000-WD	LU2-M-RT 1000	
	8 ft (2.5 m)		4 ft (1.2 m)	24 AWG (0.2mm ²)
	13 ft (4 m)		6 ft (1.8 m)	22 AWG (0.34mm ²)
	20 ft (6 m)		10 ft (3 m)	20 AWG (0.5 mm ²)
	30 ft (9 m)		15 ft (4.5 m)	18 AWG (0.75 mm ²)
	35 ft (10.5 m)		25 ft (7.5 m)	16 AWG (1.5 mm ²)
	50 ft (15 m)		40 ft (12 m)	14 AWG (2.5 mm ²)
	100 ft (30 m)		60 ft (18 m)	12 AWG (4.0 mm ²)
Wire Type: Stranded Class 2 wire (supplied by others)				

FIG 3.2 Remote Driver Class 2 Wire Length

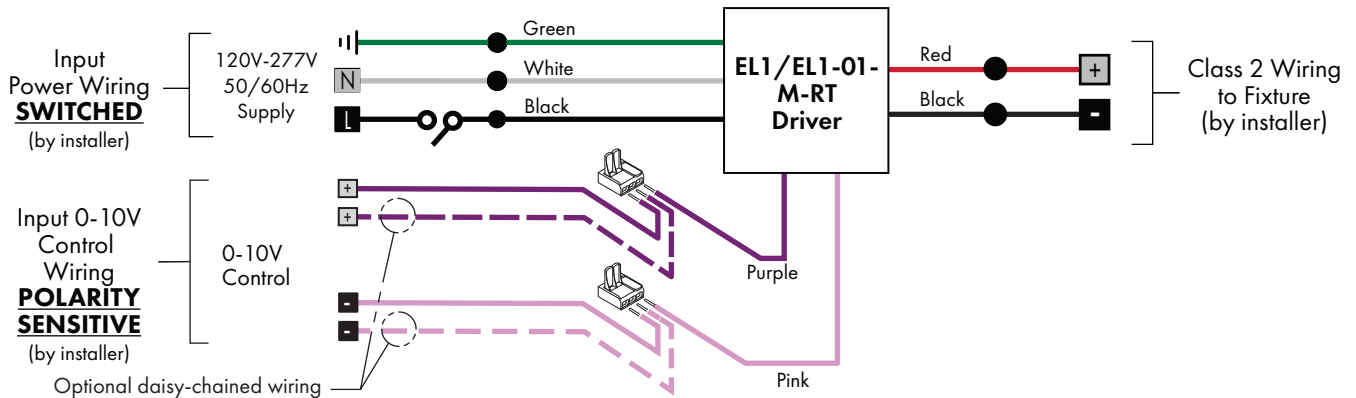
WIRING DIAGRAMS

PR1-M-RT-1000/1000-WD/1400 - REMOTE PHASE CONTROL



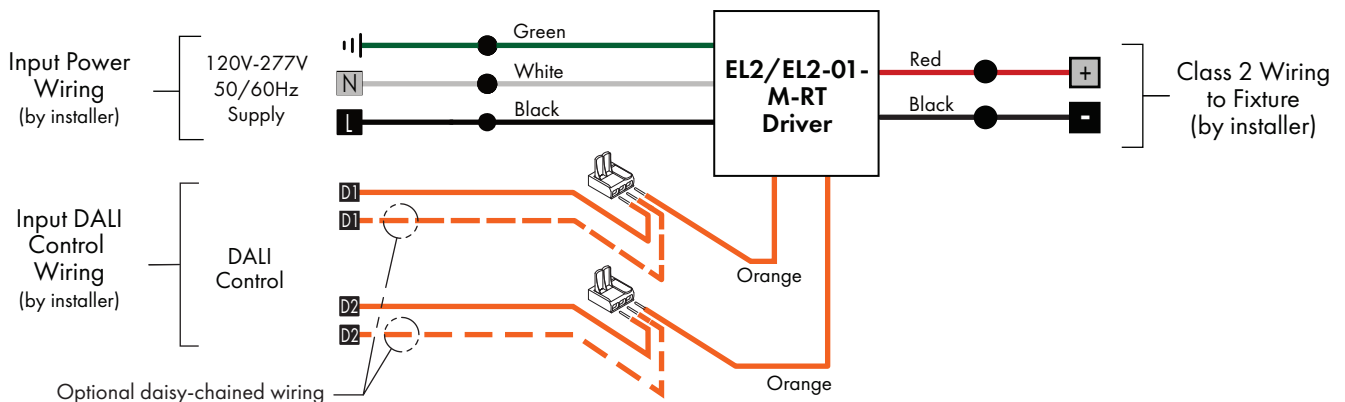
Phase Control Notes:
PR1 drivers are Forward or Reverse Phase Dimmable

EL1/EL1-01-M-RT-1000/1000-WD/1400 - REMOTE 0-10V CONTROL



0-10V Control Notes:
0-10V control wiring IS polarity sensitive and should be run as Class 2.
300' is the maximum control wiring run length to reduce EMI susceptibility and voltage drop. Voltage drop should be no greater than 0.3V.

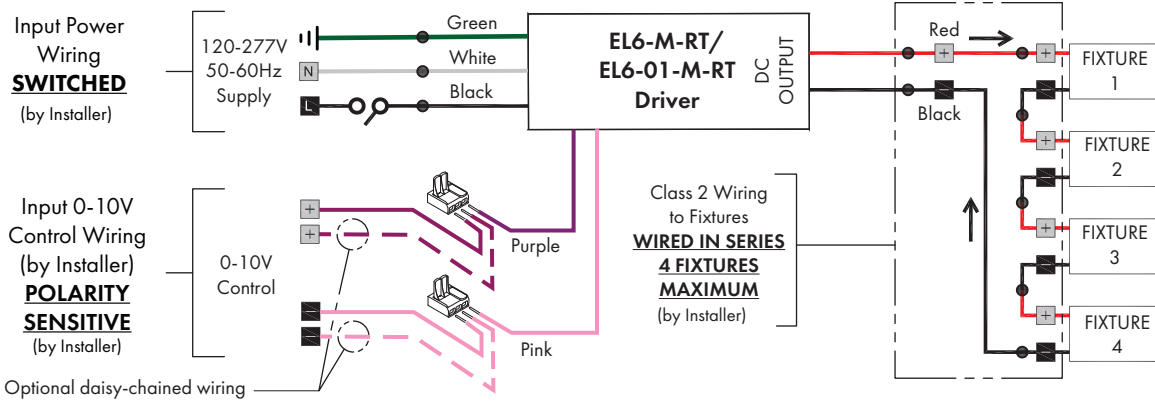
EL2/EL2-01-M-RT-1000/1000-WD/1400 - REMOTE DALI CONTROL



DALI Control Notes:
DALI control wiring IS NOT polarity sensitive and can be run as Class 1 or 2.
Up to 64 **EL2** power supplies can be daisy chained per DALI control loop. Maximum control wiring run length is 1000'.

WIRING DIAGRAMS

EL6/EL6-01-M-RT-1000/1000-WD - REMOTE 0-10V CONTROL

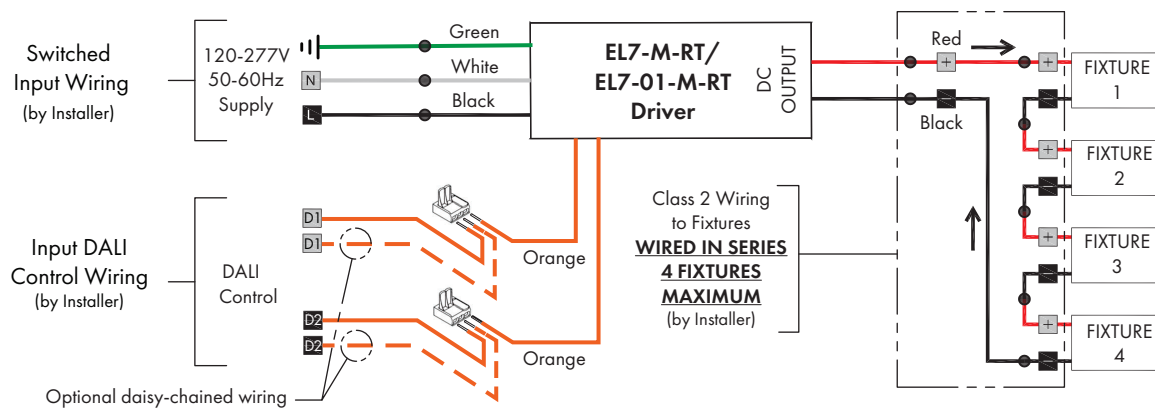


0-10V Control Notes:

0-10V control wiring is polarity sensitive and should be run as Class 2.

300' is the maximum control wiring run length to reduce EMI susceptibility and voltage drop. Voltage drop should be no greater than 0.3V.

EL7/EL7-01-M-RT-1000/1000-WD - REMOTE DALI CONTROL

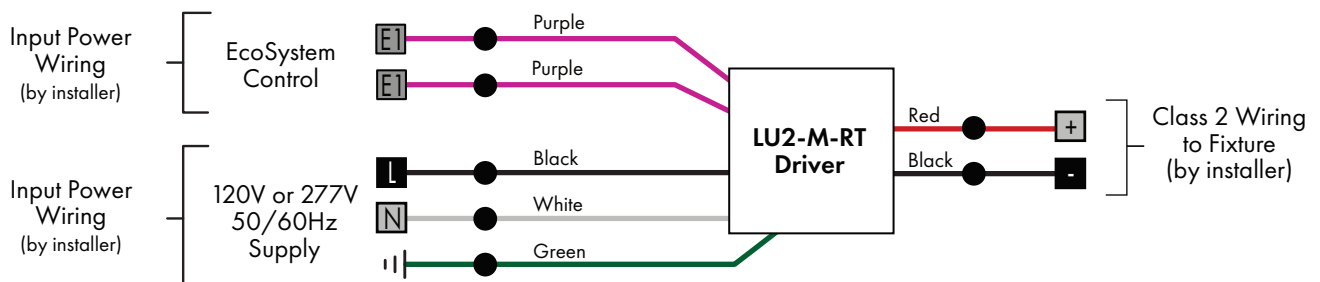


DALI Control Notes:

DALI control wiring is NOT polarity sensitive and can be run as Class 1 or 2.

Up to 64 **EL2** power supplies can be daisy chained per DALI control loop. Maximum control wiring run length is 1000'.

LU2-M-RT-1000/1000-WD - REMOTE ECOSYSTEM CONTROL



Lutron EcoSystem Control Notes:

Up to 64 **LU2** power supplies can be daisy chained per EcoSystem control loop. Maximum control wiring run length is 1000'.

For additional information contact Lutron LED Center of Excellence at 1.877.346.5338 or LEDs@lutron.com.