



MPT3 SERIES
MPT3-RT MONOPOINT
REMOTE POWER SUPPLY
INSTALLATION INSTRUCTIONS



SCAN QR CODE FOR INSTRUCTIONS

WARNING: Read and understand these instructions completely before installation. To be installed by qualified electricians only. Products should be installed in accordance with these instructions, local electrical codes, and the National Electric Code (NEC). These products may represent a possible shock or fire hazard if improperly installed.

CAUTION: Disconnect power at circuit breaker or fuse panel before installation or servicing. Always allow LED assembly to cool before servicing. Do not connect or disconnect LED lamp module wire connector when fixture is energized as this may result in permanent damage to the LED. Do not install where insulation or ambient temperatures will exceed maximum values noted in product specifications. See www.8lighting.com for current product specifications.

NOTE: Number Eight Lighting fixtures are designed to meet the latest NEC requirements and are listed in full compliance with UL standards. Before attempting installation, check your local electrical code which sets the wiring standards and installation requirements for your locality and should be understood before starting work.

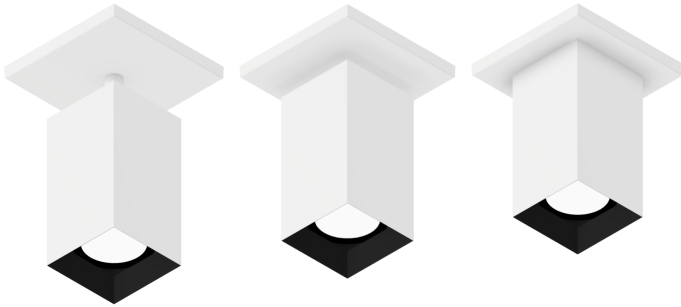
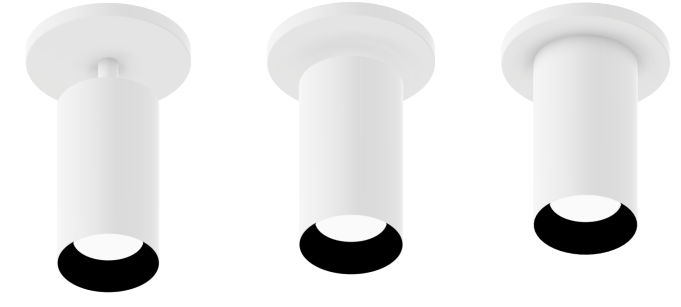
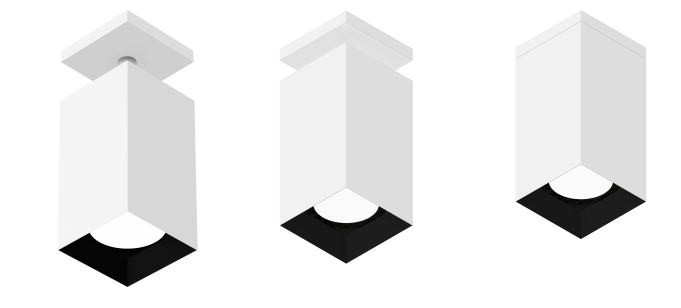

SAVE THESE INSTRUCTIONS.

TABLE OF CONTENTS

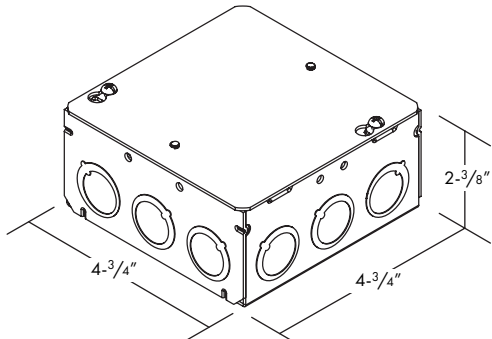
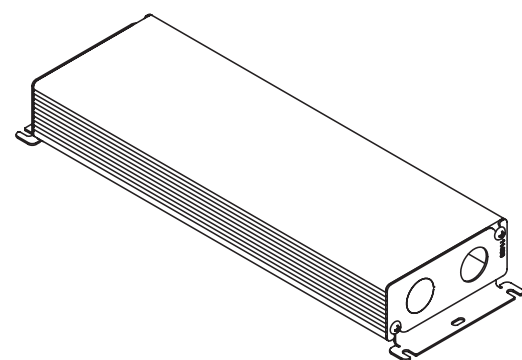
	PAGE
MPT3-RT SERIES COMPONENTS.....	1
MPT3-RT SERIES INSTALLATION INSTRUCTIONS.....	2
MPT3-RT SERIES ADJUSTMENT & OPTIC/ACCESSORY REPLACEMENT.....	3
MPT3-RT SERIES WIRING INSTRUCTIONS - REMOTE POWER SUPPLY.....	4
MPT3-RT SERIES WIRING DIAGRAMS - REMOTE POWER SUPPLY.....	5-8

MPT3-RT SERIES COMPONENTS

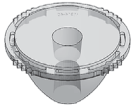

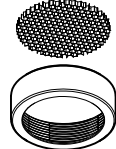
MPT3-RT SERIES - SURFACE MOUNT SQUARE and ROUND for REMOTE DRIVER

 <p>POSITION 1 0-110° ADJUSTABLE (WALL or CEILING MOUNT)</p> <p>POSITION 2 0-50° ADJUSTABLE (WALL or CEILING MOUNT)</p> <p>POSITION 3 0° FIXED (CEILING MOUNT)</p>	 <p>POSITION 1 0-110° ADJUSTABLE (WALL or CEILING MOUNT)</p> <p>POSITION 2 0-50° ADJUSTABLE (WALL or CEILING MOUNT)</p> <p>POSITION 3 0° FIXED (CEILING MOUNT)</p>
<p>MPT3-S-SM-4S-RT SQUARE with 4" CANOPY</p>  <p>POSITION 1 0-110° ADJUSTABLE (WALL or CEILING MOUNT)</p> <p>POSITION 2 0-50° ADJUSTABLE (WALL or CEILING MOUNT)</p> <p>POSITION 3 0° FIXED (CEILING MOUNT)</p>	<p>MPT3-R-SM-4R-RT ROUND with 4" CANOPY</p>  <p>POSITION 1 0-110° ADJUSTABLE (WALL or CEILING MOUNT)</p> <p>POSITION 2 0-50° ADJUSTABLE (WALL or CEILING MOUNT)</p> <p>POSITION 3 0° FIXED (CEILING MOUNT)</p>
<p>MPT3-S-SM-2S-RT SQUARE with 2.5" CANOPY</p>	<p>MPT3-R-SM-2R-RT ROUND with 2.5" CANOPY</p>

MPT3-RT SERIES - REMOTE DRIVER ENCLOSURES

 <p>RT Enclosure</p>	 <p>RT-1L Enclosure</p>
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MPT3-RT SERIES - OPTIC OPTIONS + ACCESSORIES

<p>TIR-10 10° Very narrow spot*</p> <p>TIR-15 15° Narrow spot</p> <p>TIR-15T 15° Narrow spot**</p> <p>TIR-25 25° Narrow flood</p> <p>TIR-40 40° Flood</p>  <p>*For use with HI-2 or HI-3 LED option only **For use with TW LED option only</p>	<p>NSP Narrow softening lens</p> <p>NFL Medium softening lens</p> <p>FL Wide softening lens</p> <p>WFL Extra wide softening lens</p> <p>LS Linear spread lens</p> <p>CF-24* 2400K Color filter</p> <p>CF-27** 2700K Color filter</p> <p>CF-35** 3500K Color filter</p>  <p>*For use with 2700K LED options only **For use with 3000K LED options only</p>	<p>HEX* Hex cell louver and deep accessory ring</p>  <p>*Hex cell louver requires deep lens ring when used with lens accessories</p>
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MPT3-RT SERIES INSTALLATION INSTRUCTIONS

IMPORTANT:

- 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.

STEP 1 Verify suitable mounting location, junction box and blocking requirements - **FIG 2.1 & FIG 2.2.**

STEP 2 Wire remote power supply according to wiring instructions on **Pages 4-8.**

STEP 3 For installations without a junction box, drill 7/8" 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 7/8" hole - **FIG 2.1 & FIG 2.2.**

STEP 4 Install Mounting Bracket after making wire connections. Position Fixture Canopy as desired & tighten set screw in Canopy - **FIG 2.1 & 2.2.**

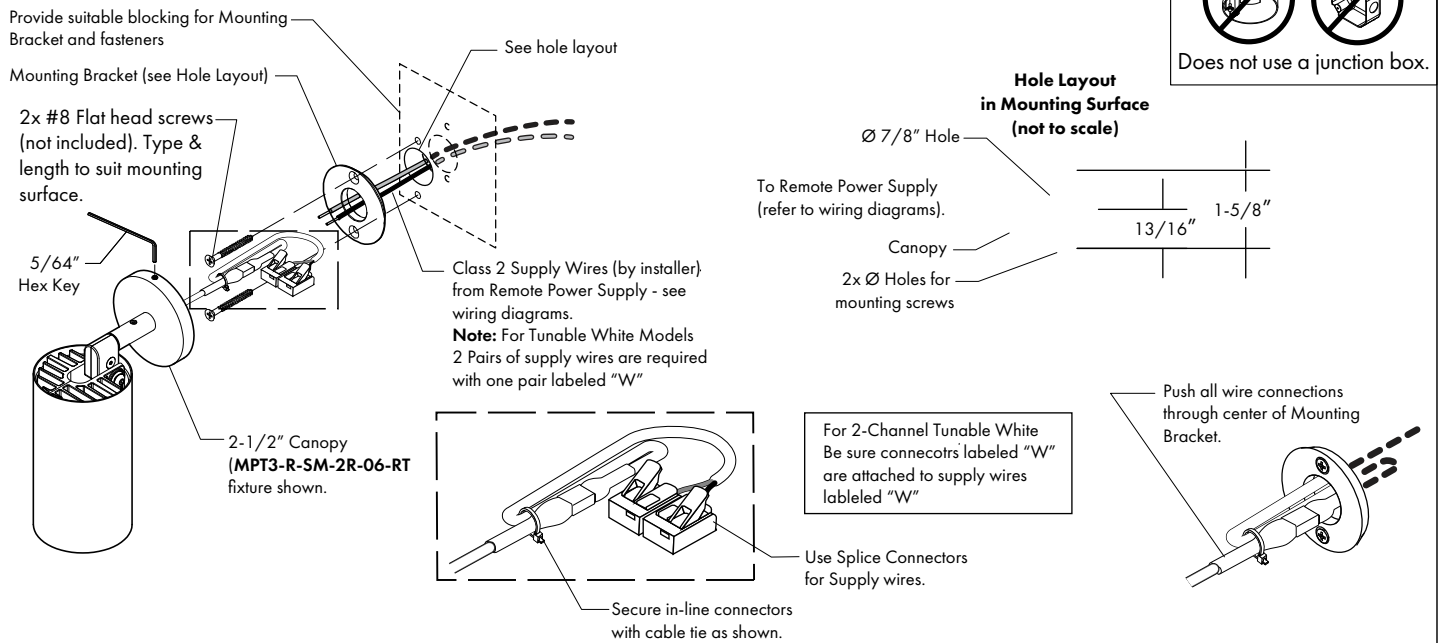


FIG 2.1 MPT3-S/R-SM-2R/S-RT Wire & Install Fixture

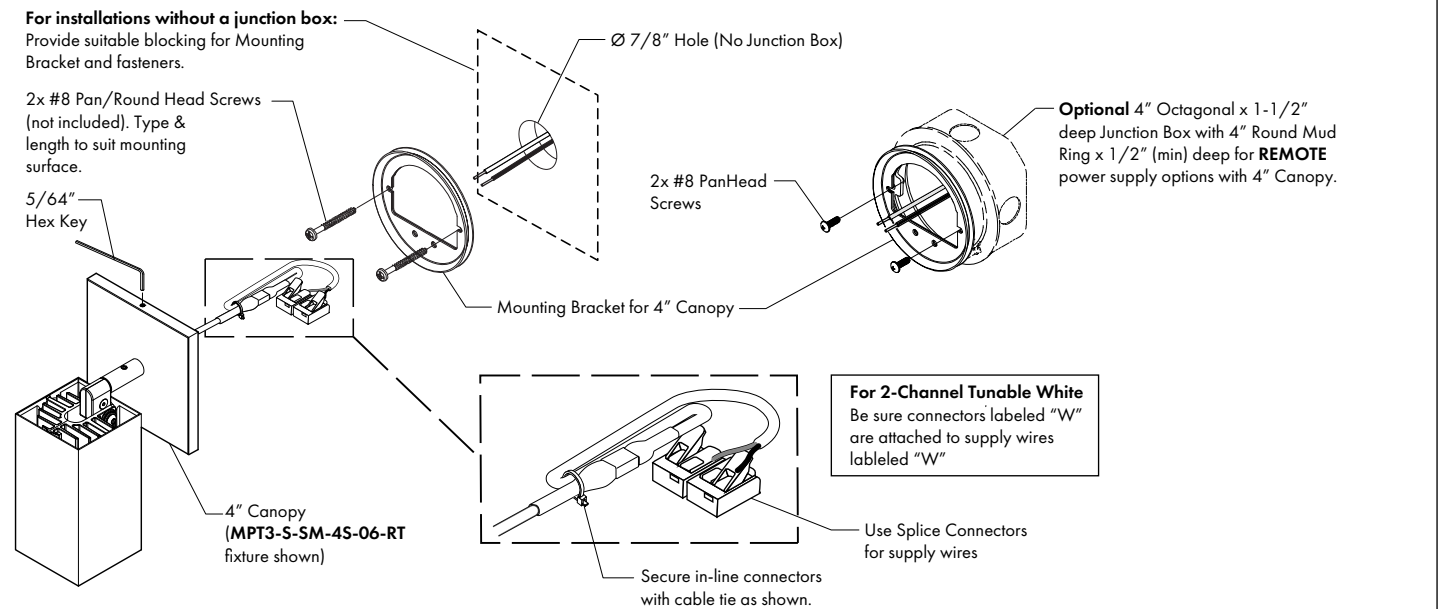
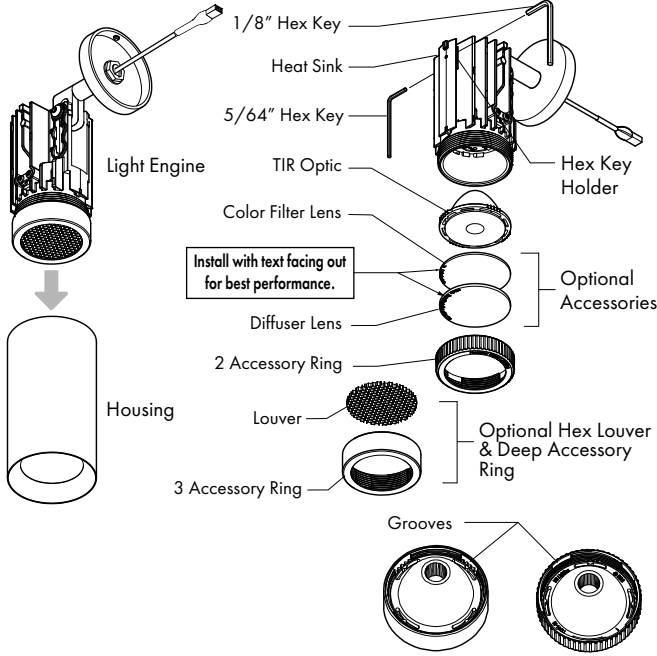
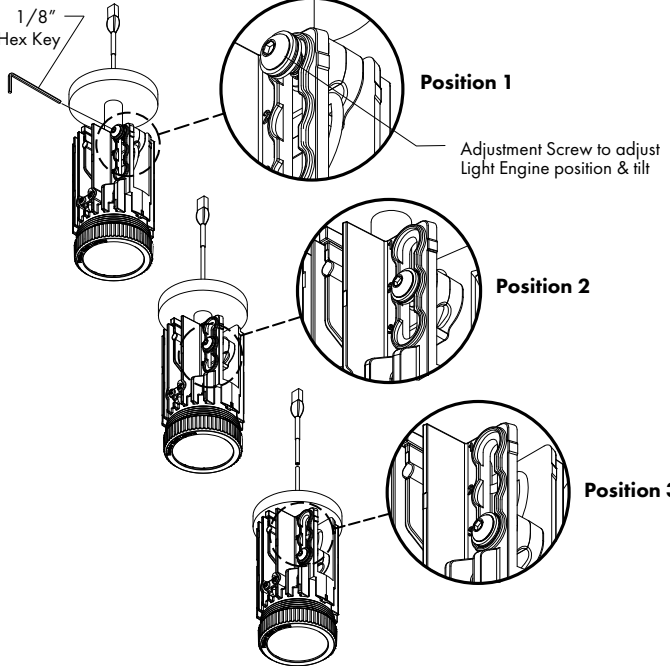
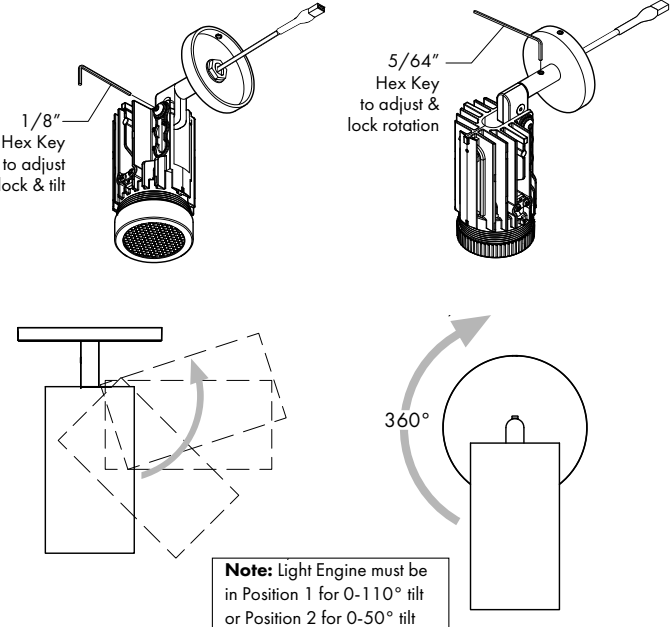
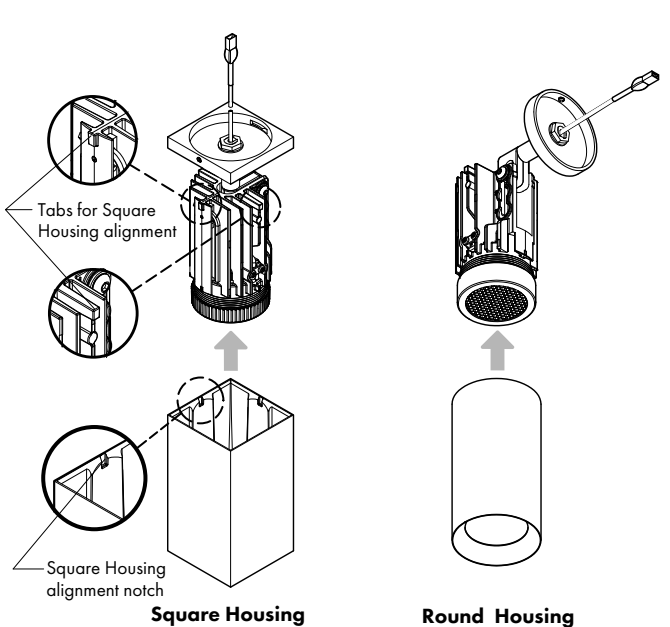


FIG 2.2 MPT3-S/R-SM-4R/S-RT Wire & Install Fixture - With or Without Junction Box

MPT3-RT SERIES ADJUSTMENT & OPTIC/ACCESSORY REPLACEMENT

MPT3-RT SERIES Install Accessories and Adjust	
 <p>FIG 3.1 Replace Optic & Accessory Assembly</p>	 <p>FIG 3.2 Adjust Light Engine and Housing Position</p>
<ol style="list-style-type: none"> 1. Slide Housing away from Light Engine to expose Accessory Ring. 2. Rotate & remove Accessory Ring from Light Engine to access Optic and accessories. Remove optic and accessories from Accessory Ring by pressing Optic upward. 3. Re-install accessories and Optic into Accessory Ring by aligning optic teeth with Accessory Ring grooves and fully pressing Optic teeth into grooves. 4. Rotate and re-install Accessory Ring onto Light Engine. 5. Re-install housing as shown in FIG 3.4. 	<ol style="list-style-type: none"> 1. Slide Housing away from Light Engine to expose Hex Keys as shown in - FIG 3.1. 2. Use 1/8" Hex Key to loosen Light Engine Adjustment Screw - do not remove. 3. Move Light Engine into the desired position. 4. Tighten Light Engine adjustment screw and replace 1/8" Hex Key into Holder. 5. Re-install Housing as shown in FIG 3.4.
 <p>FIG 3.3 Tilt & Rotation Adjustment</p>	 <p>FIG 3.4 Install Housing</p>
<ol style="list-style-type: none"> 1. Slide Housing away from Light Engine to expose Hex Keys as shown in FIG 3.1. 2. Use 1/8" Hex Key to adjust and lock tilt. Replace after use. 3. Use 5/64" Hex Key to adjust and lock rotation. Replace after use. 4. Re-install Housing as shown in FIG 3.4. 	<ol style="list-style-type: none"> 1. Square Housing: Ensure Housing alignment notches align with Light Engine alignment tabs and slide Housing onto Light Engine until Housing clicks into place. 2. Round Housing: Slide Housing onto Light Engine until Housing clicks into place.

WIRING INSTRUCTIONS - REMOTE POWER SUPPLY

For PR1-M-RT and DMX1/DMX2/EL1/EL1-01/EL2/EL2-01/EL3/EL5/LU4-M-RT -1L Remote Power Supply Options

STEP 1 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 4.1 & 4.2.**

Note: For compatible dimmers see: www.8lighting.com/resources-downloads.

STEP 2 Install & wire remote power supply (RT & RT-1L) - **FIG 4.1** & Wiring Diagrams on **Pages 5-8.**

STEP 3 Connect fixture supply wires to Class 2 wiring - **FIG 4.1.**

STEP 4 Push fixture supply connections completely behind Cover or End Caps - **FIG 4.1**

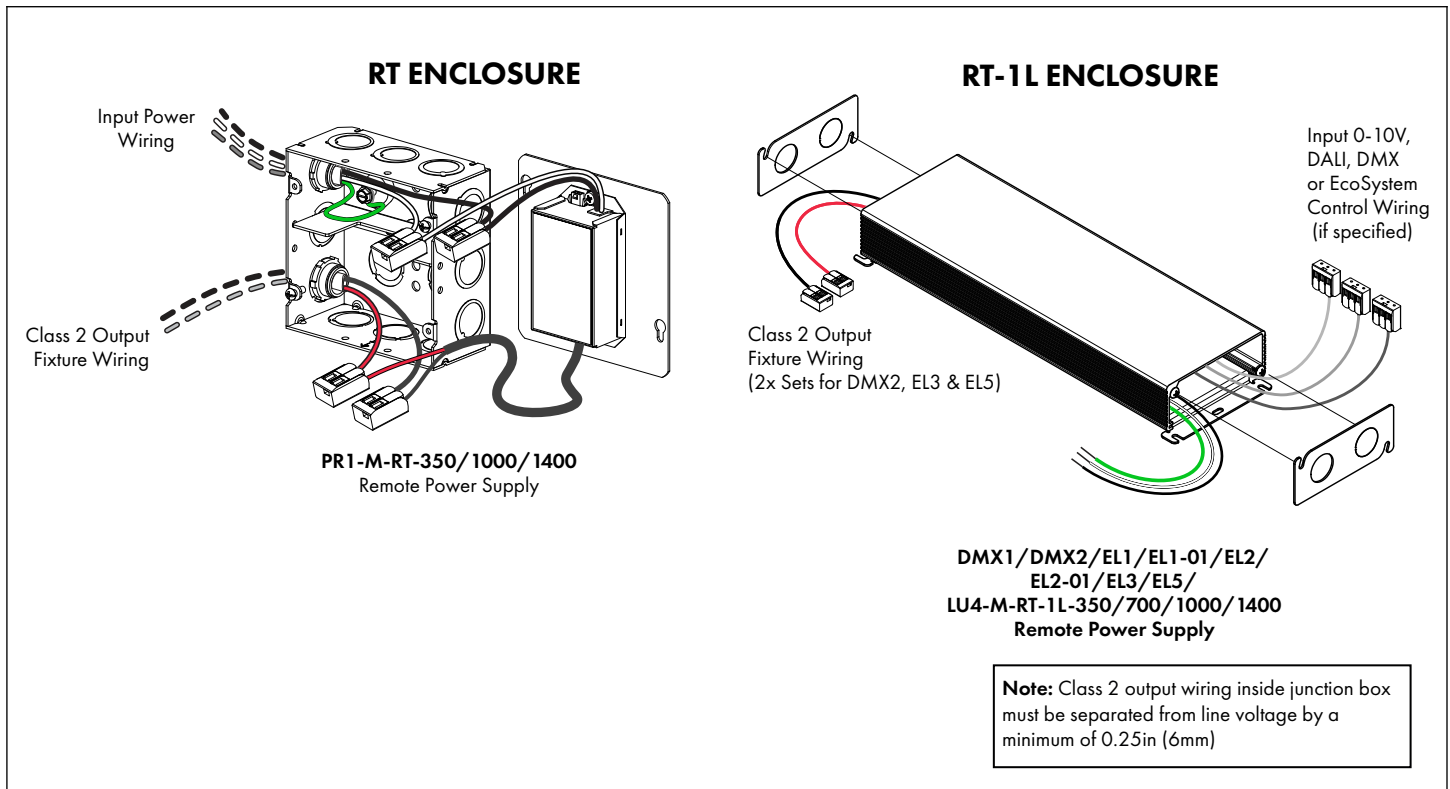


FIG 4.1 Wire & Install Remote Power Supply

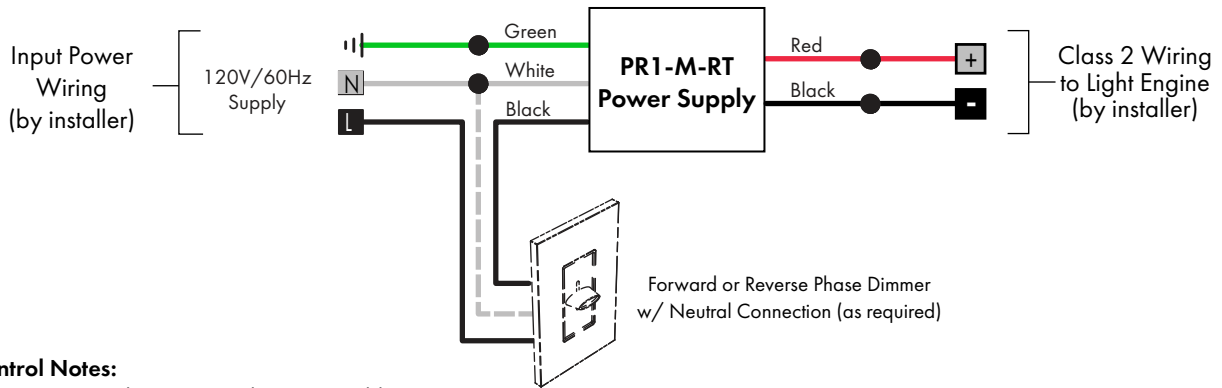
Maximum REMOTE Driver-to-LED Light Engine Wire Length						
Driver Model						Wire Gauge
PR1-M-RT-350/1000/1400	EL1/EL1-01/EL2/EL2-01-M-RT-1L-350/1000/1400	EL3/DMX2/EL5-M-RT-1L-700	DMX1-M-RT-1L-350/1000	LU4-M-RT-1L-350	LU4-M-RT-1L-1000	
8 ft (2.5 m)					4 ft (1.2 m)	24 AWG (0.2 mm ²)
13 ft (4 m)					6 ft (1.8 m)	22 AWG (0.34 mm 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 (.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 4.2 Remote Power Supply Class 2 Wire Length

WIRING DIAGRAMS - PHASE / 0-10 / DALI CONTROL

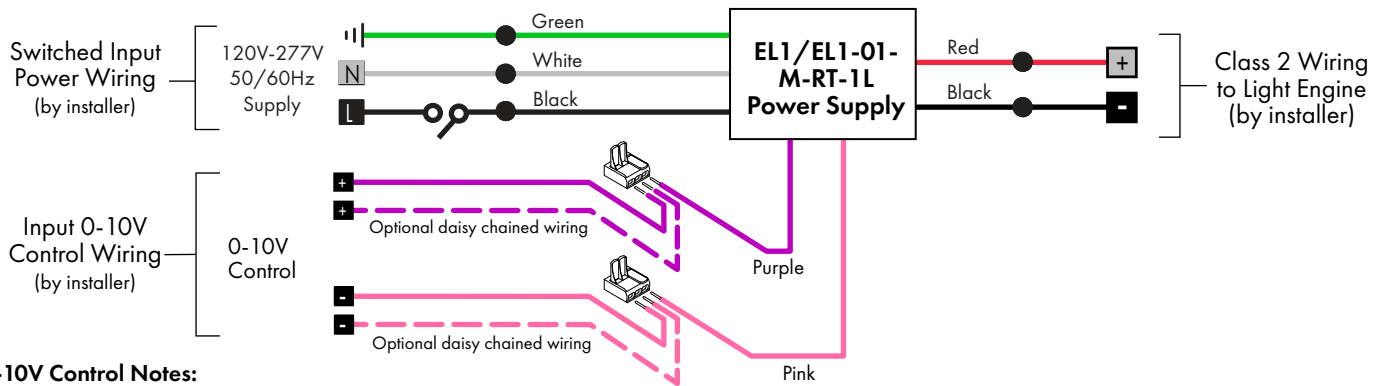
For PR1-M-RT and EL1/EL1-01/EL2/EL2-01-M-RT-1L Remote Power Supply Options

PR1-M-RT-350/1000/1400 - REMOTE PHASE CONTROL



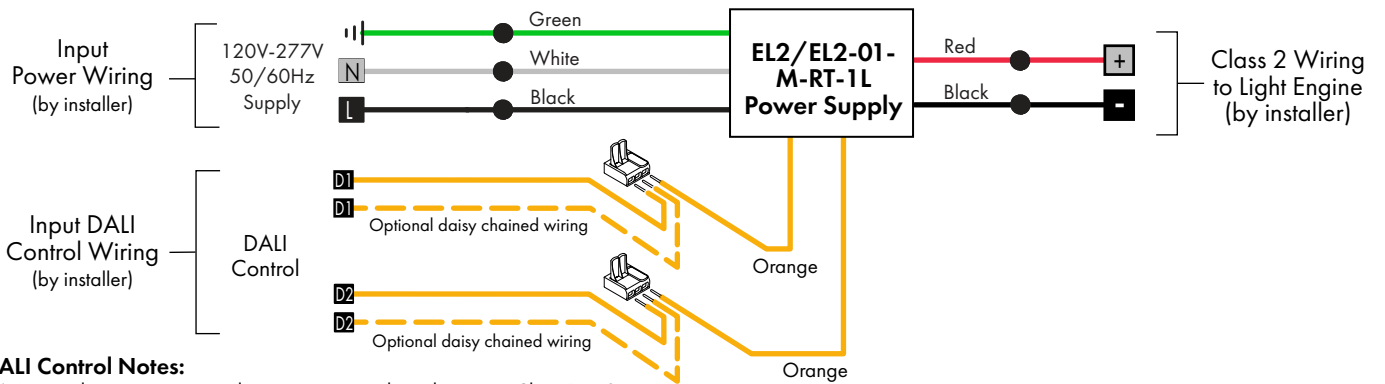
Phase Control Notes:
PR1 drivers are Forward or Reverse Phase Dimmable

EL1/EL1-01-M-RT-350/1000/1400 - 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-1L-350/1000/1400 - REMOTE DALI CONTROL

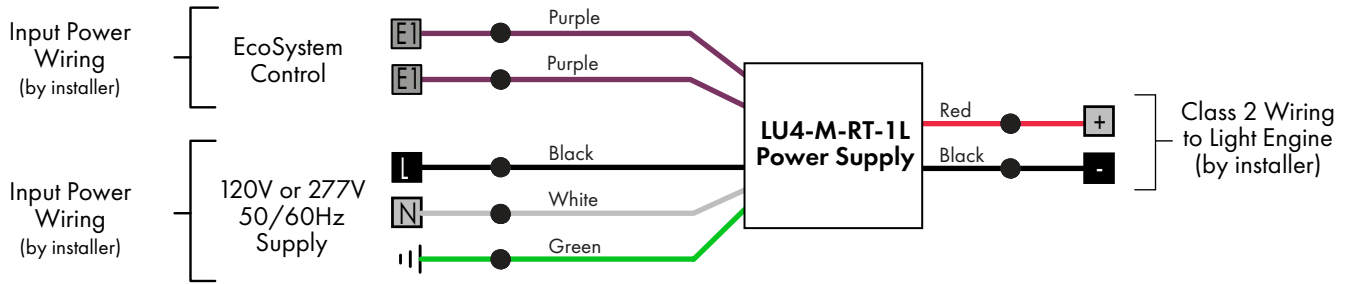


DALI Control Notes:
DALI control wiring IS NOT polarity sensitive and can be run as Class 1 or 2.
Up to 64 EL2 power supplies can be daisy chained per DALI control loop. Maximum control wiring run length is 1000'.

WIRING DIAGRAMS - ECOSYSTEM CONTROL

For LU4/DMX1-M-RT-1L-350/1000 Remote Power Supply Options

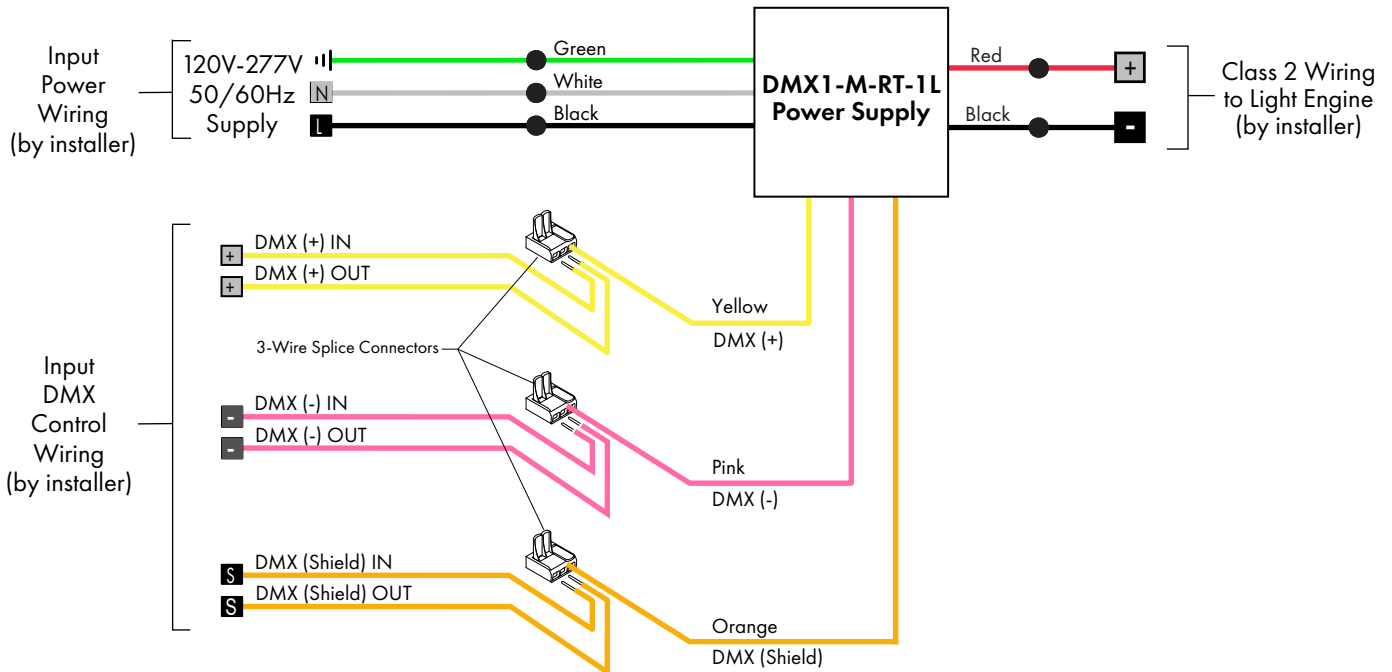
LU4-M-RT-1L-350/1000 - REMOTE ECOSYSTEM CONTROL



Lutron EcoSystem Control Notes:

Up to 64 **LU4** power supplies can be daisy chained per EcoSystem control loop. Maximum control wiring run length is 1000'. For additional information contact LED Center of Excellence at 1.877.346.5338 or LEDs@lutron.com.

DMX-RT-1L-350/1000 - REMOTE DMX CONTROL



DMX Notes:

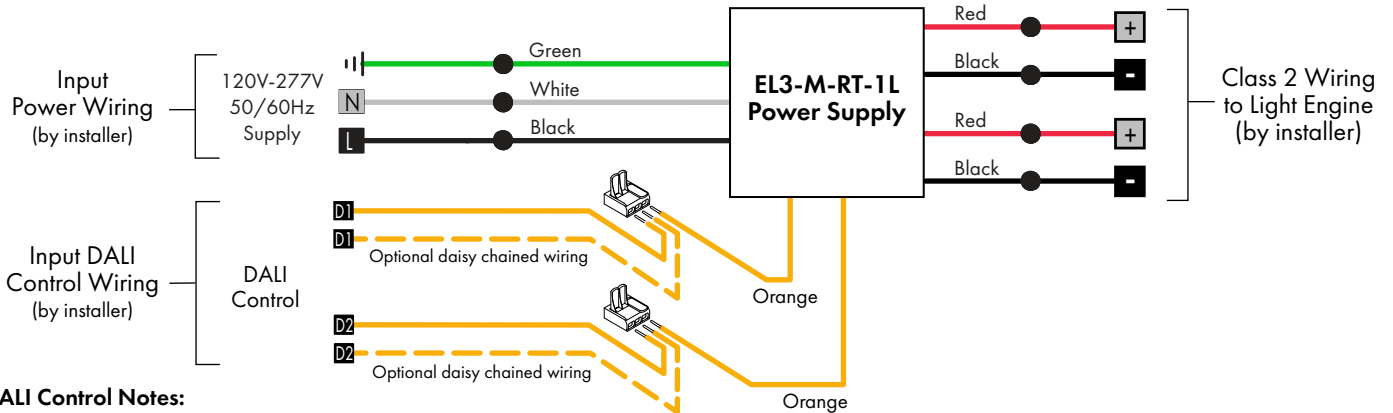
DMX control wiring is polarity sensitive and should be run as Class 2. Each **DMX1** driver is one "unit load". DMX runs without a repeater/signal booster should be limited to no more than 32 drivers including controller depending on the site conditions. **DMX1** drivers are RDM compatible and addressable by others in the field. Termination of the DMX runs is to be done by others per DMX512A specification. Maximum control wiring run length is 1000'.

For compatible dimmers for use with **DMX1** drivers see: www.8lighting.com/resources-downloads.

WIRING DIAGRAMS - 2-CHANNEL TUNABLE WHITE - DALI / DMX CONTROL

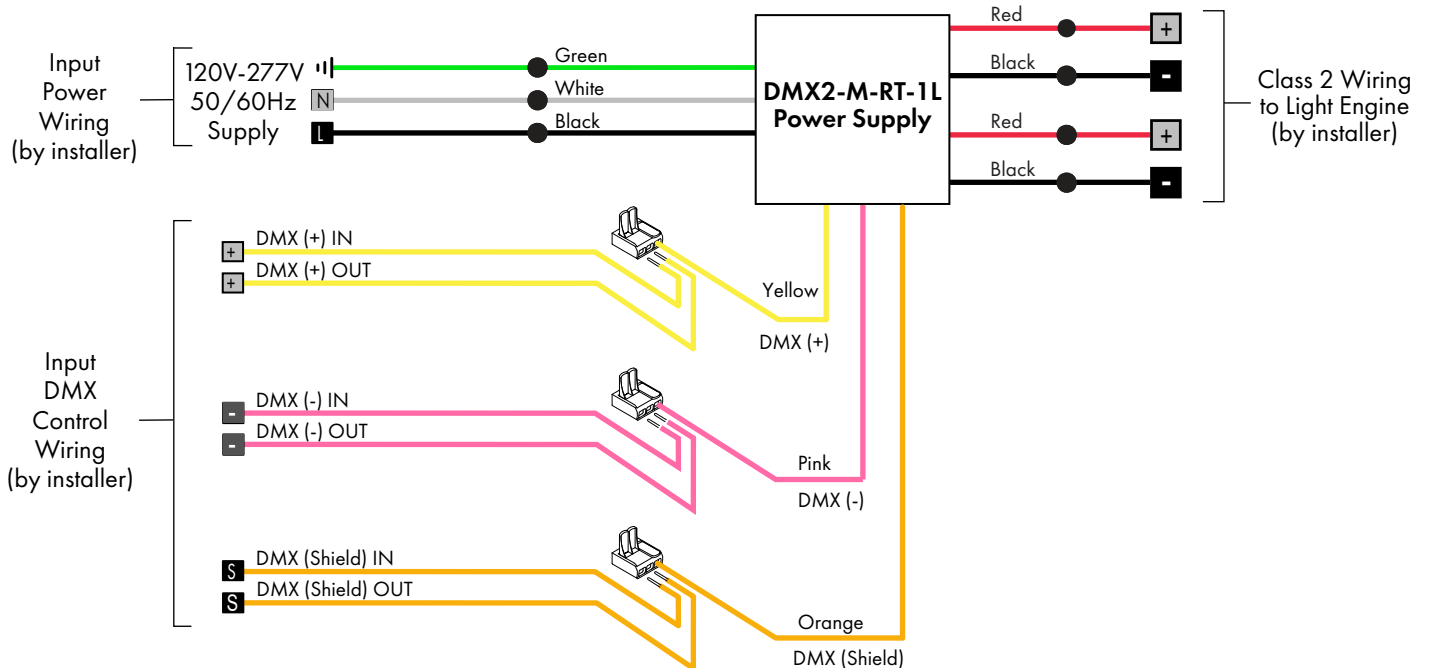
For EL3/DMX2-M-RT-1L-700 Remote Power Supply Options

EL3-M-RT-1L-700 REMOTE DALI 2-CHANNEL 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'.

DMX2-M-RT-1L-700 - REMOTE DMX 2-CHANNEL CONTROL

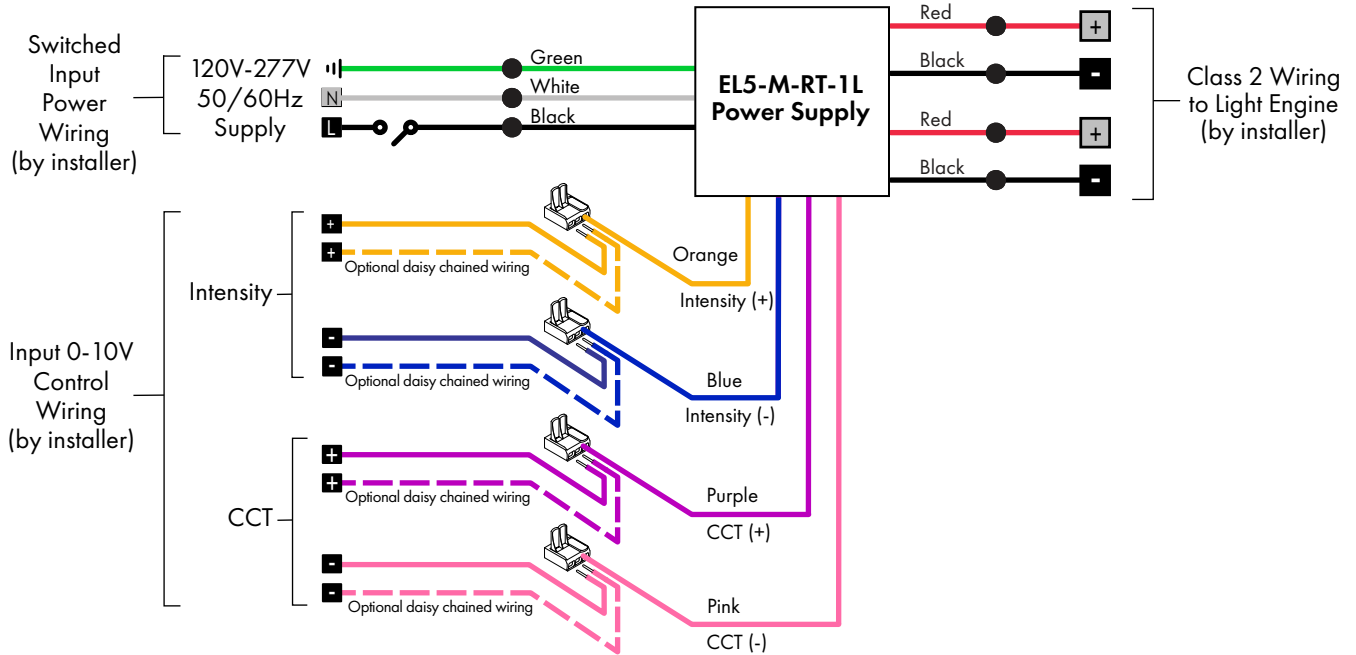


DMX Notes:
 DMX control wiring is polarity sensitive and should be run as Class 2. Each **DMX2** driver is one "unit load". DMX runs without a repeater/signal booster should be limited to no more than 32 drivers including controller depending on the site conditions. **DMX2** drivers are RDM compatible and addressable by others in the field. Termination of the DMX runs is to be done by others per DMX512A specification. Maximum control wiring run length is 1000'.
 For compatible dimmers for use with **DMX2** drivers see: www.8lighting.com/resources-downloads.

WIRING DIAGRAMS - 2-CHANNEL TUNABLE WHITE - 0/10V CONTROL

For EL5-M-RT-1L-700 Remote Power Supply Option

EL5-M-RT-1L-700 - REMOTE 0-10V 2-CHANNEL CONTROL



0-10V Control Notes:

0-10V control wiring is polarity sensitive and should be run as Class 2. Each **EL5** driver requires two pairs of Class 2 control wires: one pair for CCT and one pair for INTENSITY. 300' is the maximum control wiring run length to reduce EMI susceptibility and voltage drop. Voltage drop should be no greater than 0.3V. For compatible dimmers for use with **EL5** drivers see: www.8lighting.com/resources-downloads.



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