


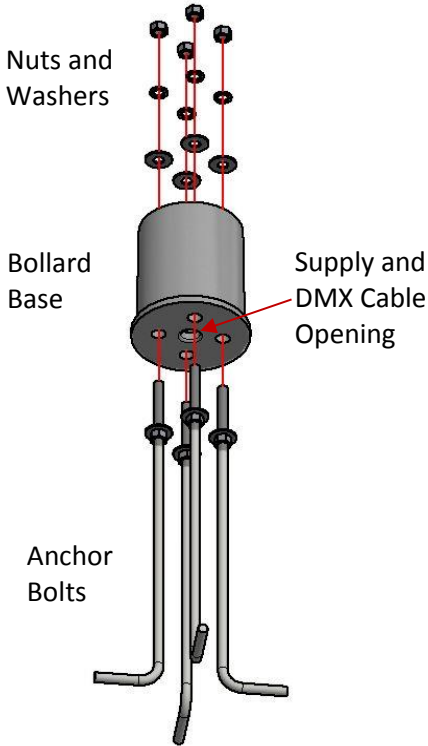
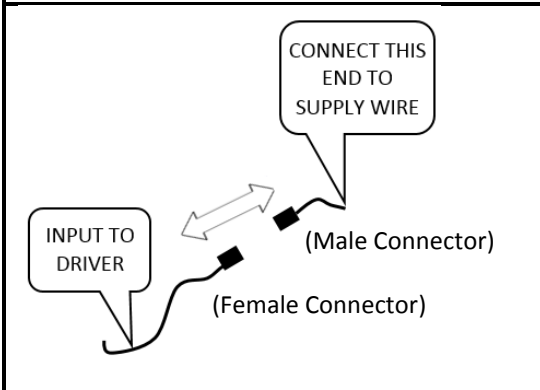


Installation Instructions	Product: RW30XCC Bollard
Effective Date: Aug 30, 2019	Part Description: Ø6" Rialta Color Changing Bollard

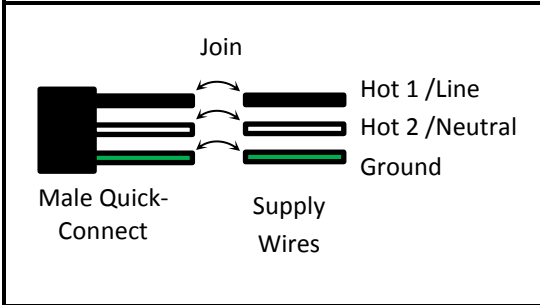
	WARNING: To avoid fire, shock or death, turn off and lockout power before performing any maintenance.
	CAUTION: This Fixture must be wired in accordance with the National Electric Code (NEC) and all applicable local codes. Proper grounding is required. A qualified electrician must do all work.
	SCOPE: These instructions are general guidelines for the installation of the bollard and fixture. It is the installer's responsibility to comply with related codes and to ensure the final condition and correctness of the installation. These instructions do not cover the installation of the supply and DMX signal conduits, or the anchor bolts.

A. Base Installation	
 <p>Nuts and Washers</p> <p>Bollard Base</p> <p>Supply and DMX Cable Opening</p> <p>Anchor Bolts</p>	Step 1: Unbox the product. Recycle packaging materials responsibly.
	Step 2: Install Anchor bolts with leveling nuts.
	Step 3: Slip Bollard base over anchor bolts.
	Step 4: Route supply wires and loop of DMX network cable up through opening in bottom of base (wire/cable not shown).
	Step 5: Level using nuts under base.
	Step 6: Secure base to anchor bolts using washers and nuts supplied.

B. Electrical Wiring (Power)



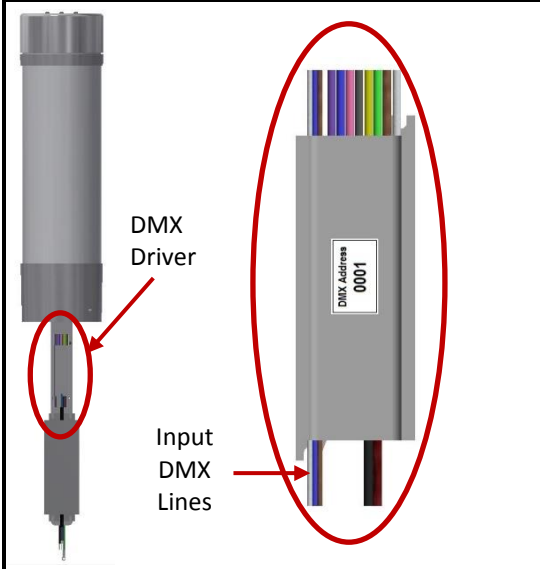
Step 1: Disconnect female quick connect from male quick connect and remove male wiring assembly from fixture.



Step 2: Connect lower wiring assembly to supply wires, see wiring diagram.

Step 3: Connect the male connector from supply lines and the female connector from LED Driver Assembly together and press firmly together to lock them.

C. Electrical Wiring (Basic DMX)



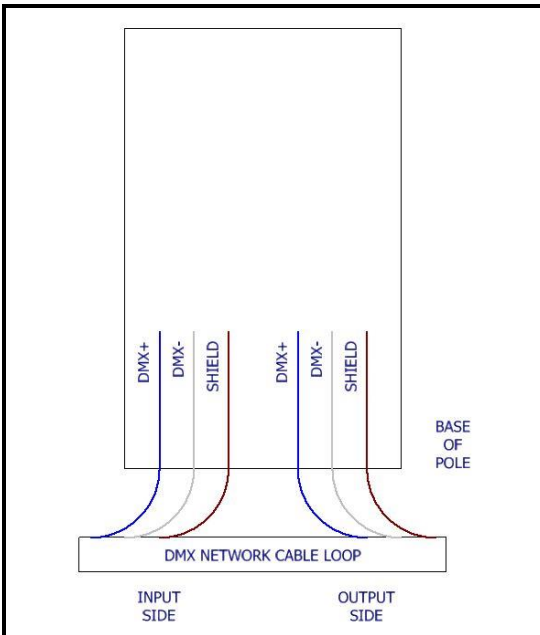
Step 1: Find DMX address on DMX driver.

Step 2: Place address on site map at pole location.

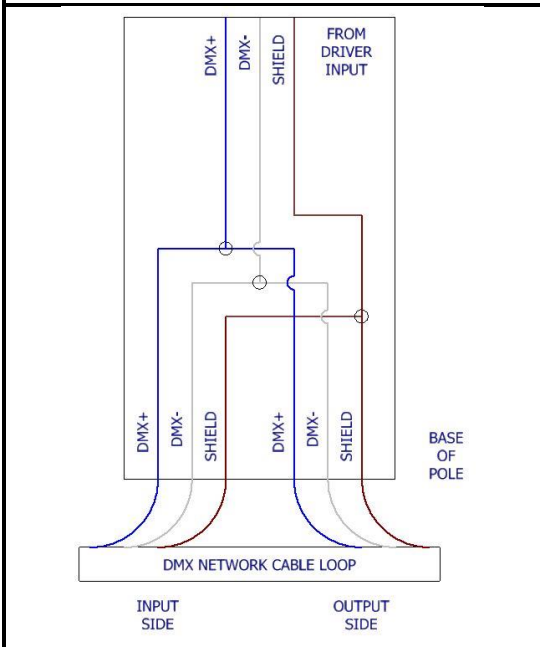
Step 3: Find input DMX terminals.

Step 4: Install a short section of DMX cable from the driver input terminals to the base of the pole. Provide any necessary strain relief for the cable.

Note: It is recommended to use a cable that complies with ANSI E1.11 – 2008 (r2013) – Entertainment Technology – USITT DMX512-A, Asynchronous Serial Digital Data Transmission Standard for Controlling Lighting Equipment and Accessories. At minimum DMX Cable shall be 1-Pair (24 AWG, 7x32 Stranding) Twisted (minimum of 4.8 twists/foot), Shielded, with one drain wire (shield), minimum of 100 ohms Impedance, and <25 pF/ft. Capacitance.



Step 5: Open the DMX network cable loop (see Step A4) in the pole base. Create an input and output set of three wires: DMX+, DMX-, and Shield.

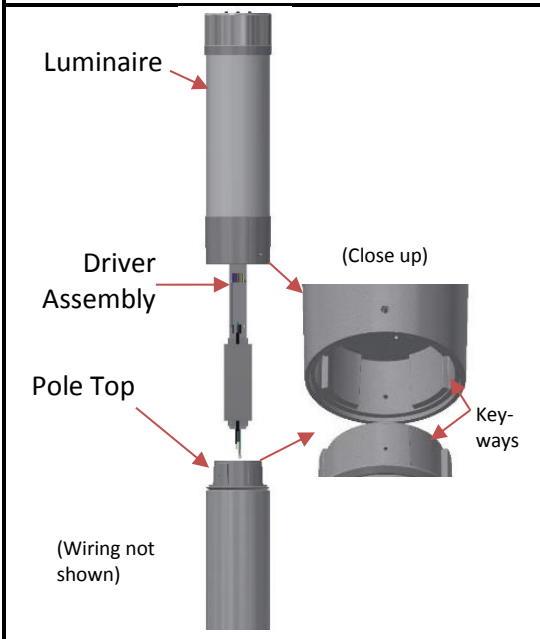


Step 6: Join driver input DMX lines to the DMX network cable input and output lines. This will form three 3-way connections.

Note: These instructions are focused on the connections at the pole. A certified DMX network installer is needed to handle all other aspects of the DMX installation.

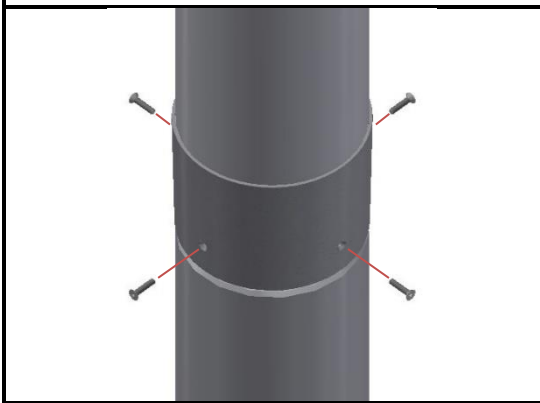
Note: It is recommended to limit the number of DMX devices in a run to 25. The overall length of a run must never exceed 2,000 ft.

D. Mounting Luminaire

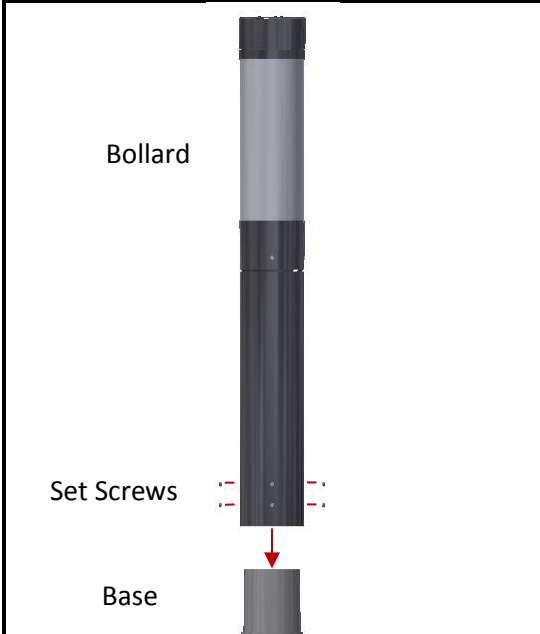


Step 1: Insert driver assembly into top of bollard pole section (wiring not shown).

Step 2: Align keyways of Luminaire bottom to the keyways in pole top (in close up, driver assembly omitted for clarity).



Step 3: Align mounting holes. Insert 4 mounting screws supplied to secure luminaire to pole.



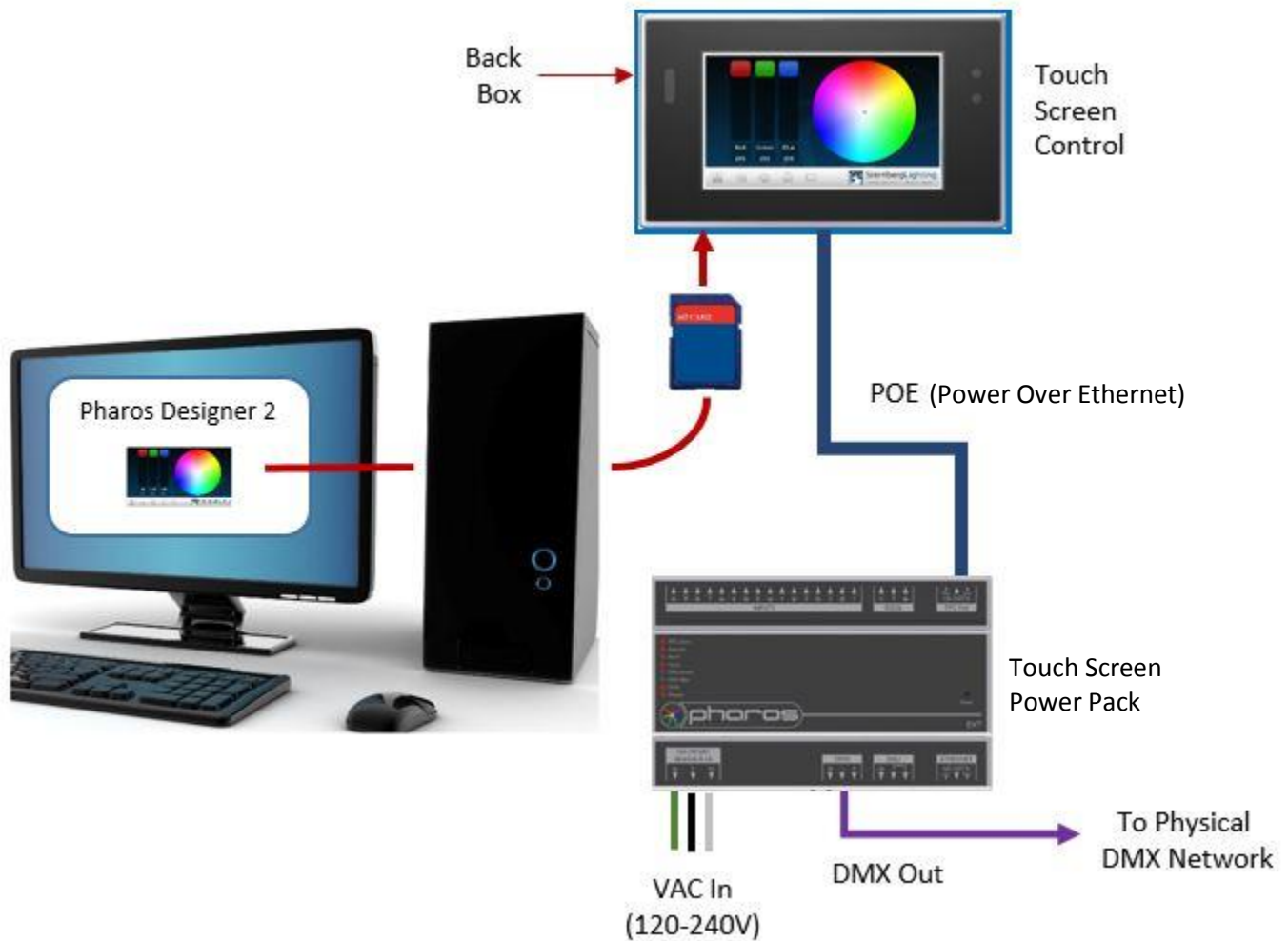
Step 4: Insert bollard onto base

Step 5: Secure bollard with 8 set screws provided.

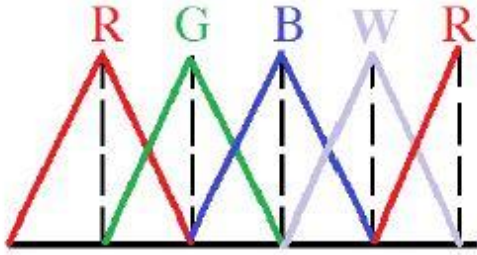
E. Software/Control Wiring (Basic)

Notes:

1. Diagram shows general interconnection / relationship of components.
2. Touch screen can be wall mounted into back box. Touch screen user interface is stored on SD card.
3. All components shown must be installed indoors.
4. Route DMX cabling from DMX Out terminal (below) to each luminaire outdoors in a daisy chain fashion. Splitting the DMX network cable requires a DMX splitting device (not provided).
5. Recommend use of 3rd party commissioning agent for Software and DMX system setup.



F. Power-Up Test to Verify Luminaire Wiring



Step 1: De-energize touch screen power pack (see Section E). This will deactivate the DMX network.

Step 2: Energize AC power to luminaire.

Step 3: Luminaire should cycle **quickly** through a blend of colors that emphasize R, G, B, and W and then repeat.

Note: There will be a 5-10 second delay prior to start. This denotes that the luminaire is working. All luminaires should behave the same. The cycle time is about 10 Secs.



Step 4: Energize the touch screen power pack (see Section E).

Note: Luminaire will turn OFF as the software and control start up. This is normal and may take 30-60 Seconds.

Step 5: Luminaire will cycle **slowly** through a blend of colors.

Note: The slowness should be obvious. The cycle time is about 30 Sec. This means the DMX network is functioning. If no customization of the software interface has occurred, only the first 10 DMX addresses will respond to this task.

Revision History

Rev	Description of Revision	Release Date	Design Engineer Author	Manufacturing Engineer Approval
A	Initial Release	08/30/2019	D. Osowski	Grant Burton