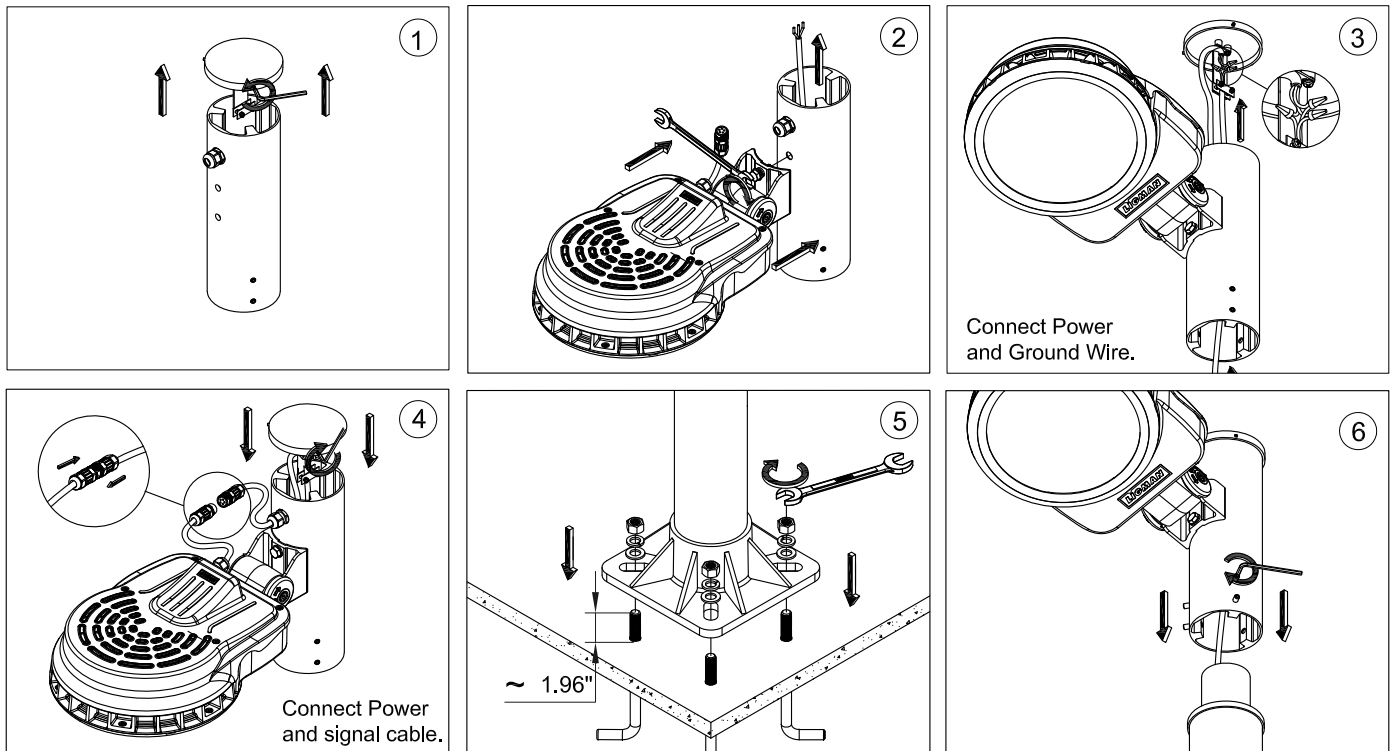
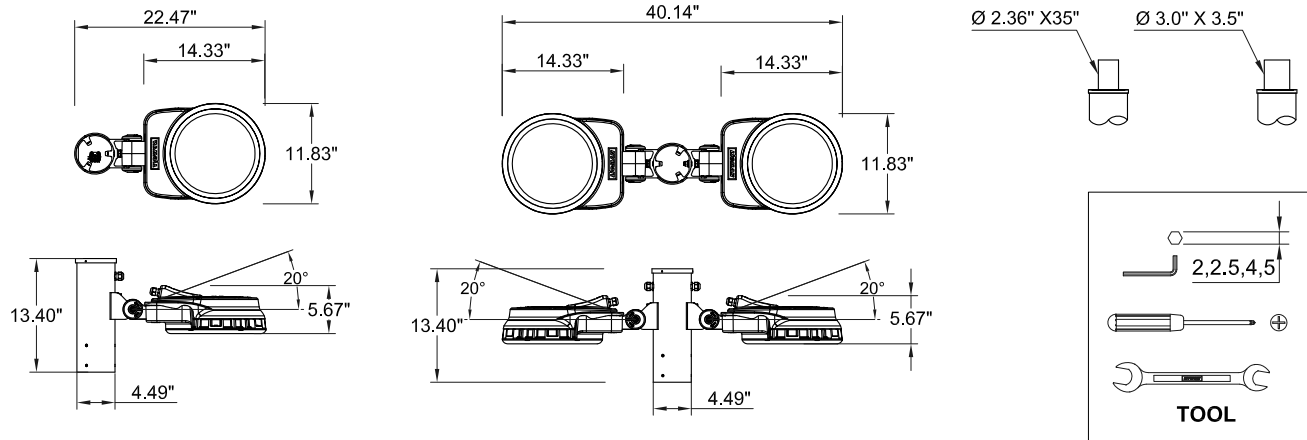


# INSTALLATION AND SERVICE MANUAL



For installation of Quantum street and area lighting luminaires RGBW.  
Model. UQA-21022 AND UQA-21032.

## Product drawing (dimensions) SUITABLE FOR WET LOCATIONS



### Notice to installer :

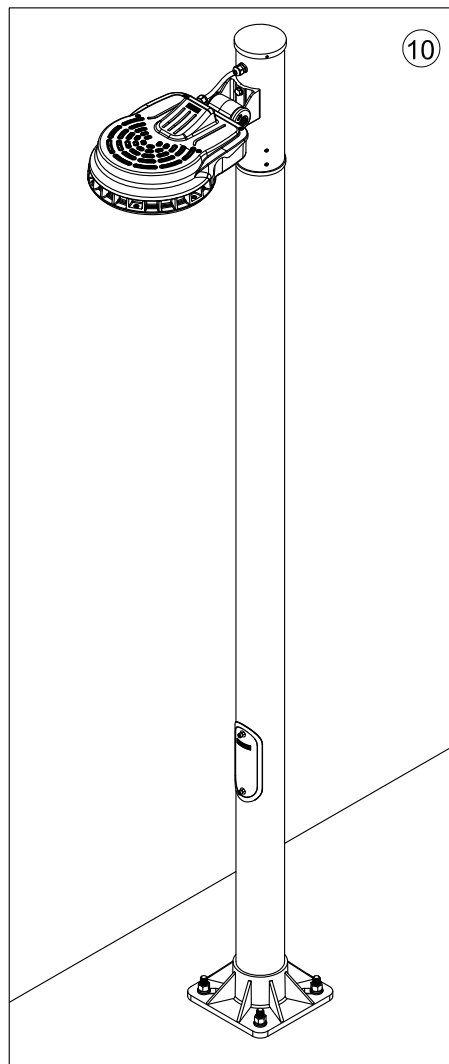
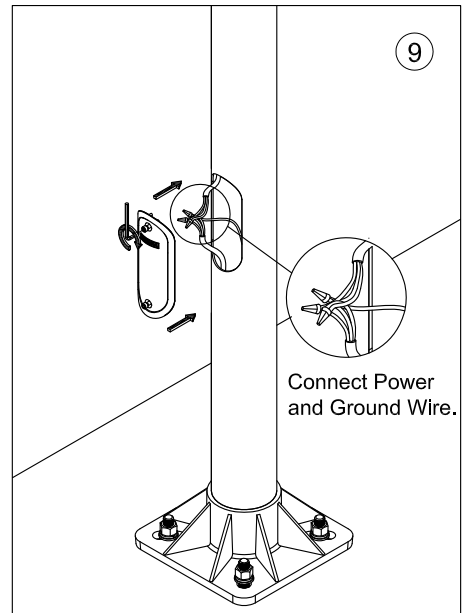
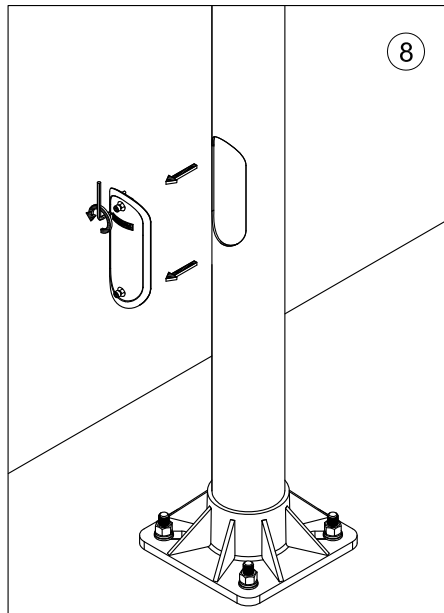
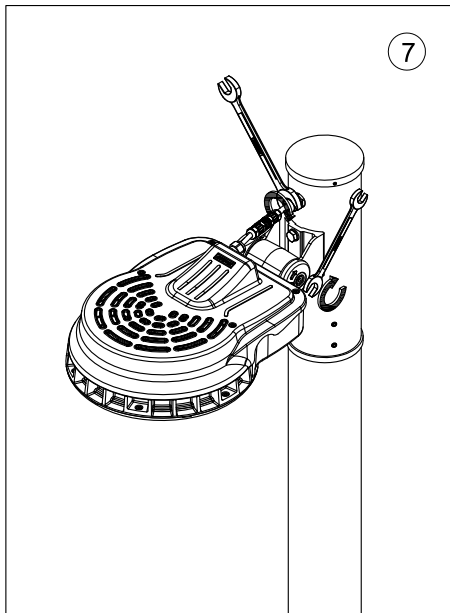
1. **WIRING INSTRUCTIONS** Warning : RISK OF FIRE AND ELECTRICAL SHOCK. : FIXTURE MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY>FIXTURE IS INTENDED FOR INSTALLATION IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, LOCAL AND FEDERAL CODE SPECIFICATIONS. DISCONNECT POWER BEFORE SERVICING.
2. This fixture has a **VOLTAGE SPECIFIC BALLAST**, Check that the supply voltage is the same as the installed ballast voltage.

## Ligman Lighting USA

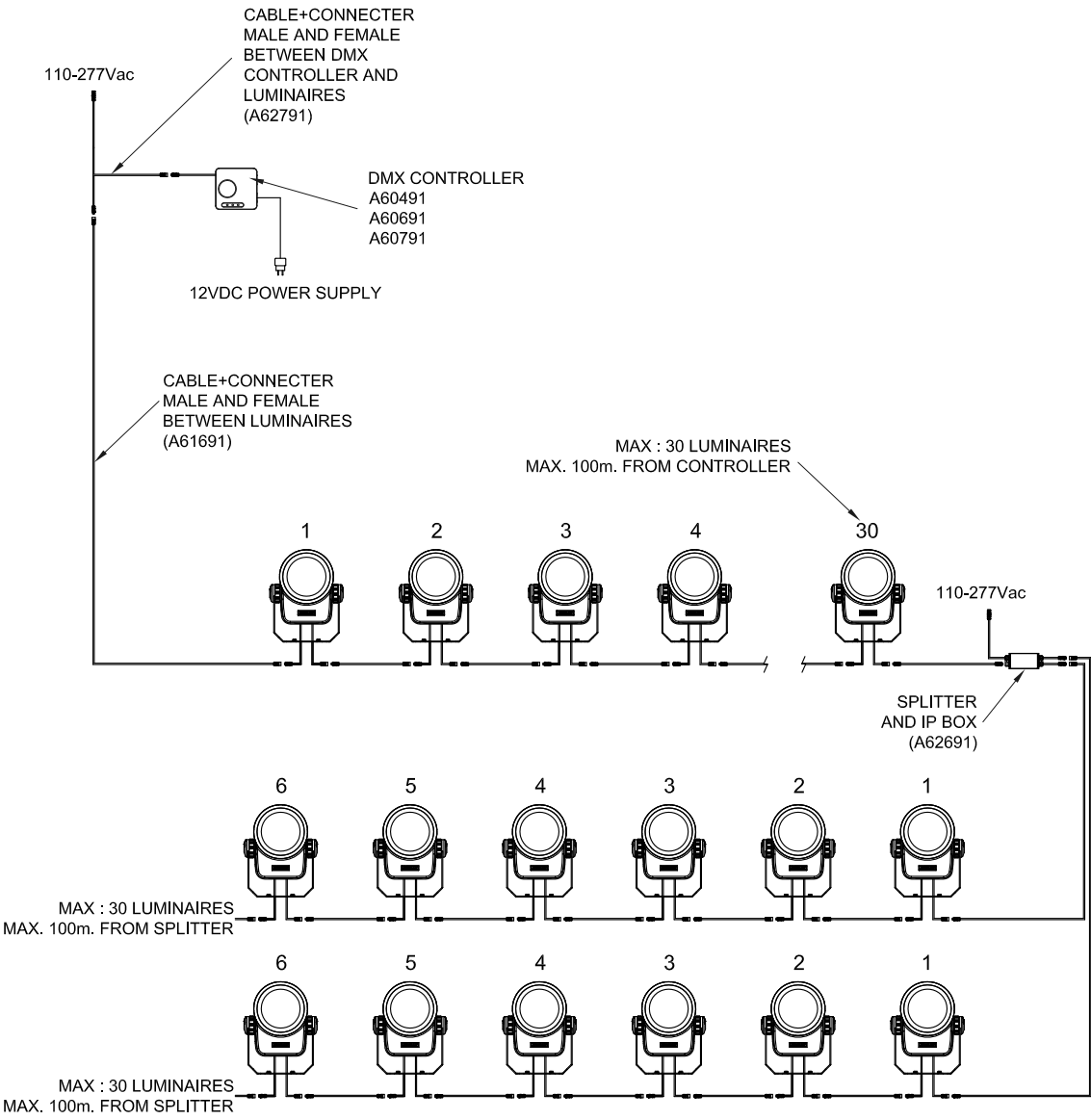
7144 NW Progress Court, Hillsboro  
Oregon, 97124, USA  
Tel : 503 645 0500 | Fax : 503 645 8100

[www.ligmanlightingusa.com](http://www.ligmanlightingusa.com)

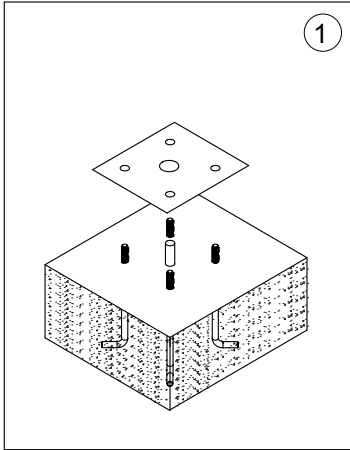




DMX SYSTEM BLOCK DIAGRAM



## USING LEVELING SHIMS

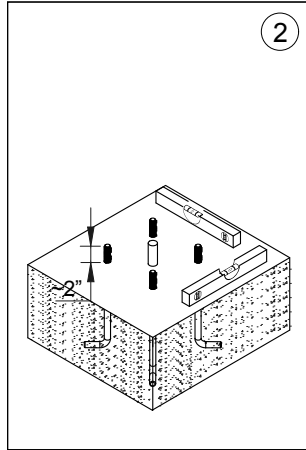


Use anchor bolt template to set anchor bolts into concrete as per civil engineering instructions.

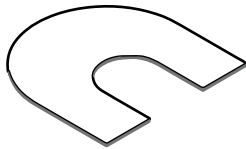
**Ligman does not provide foundation details. A local engineer that is familiar with the site soil conditions should provide this information.**

### NOTE:

Ligman does not recommend using leveling bolts for pole installations.

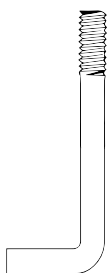


Ensure that the concrete is plumb using a level. Failing to do this will result in pole being uneven or tilted.

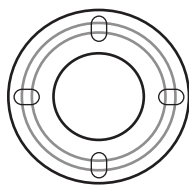


Leveling Shim Example

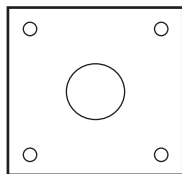
## What's Included Per Pole



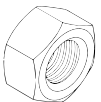
x 4



x 4



A single anchor bolt template is provided per pole size to be used for the poles on the project.



x 4

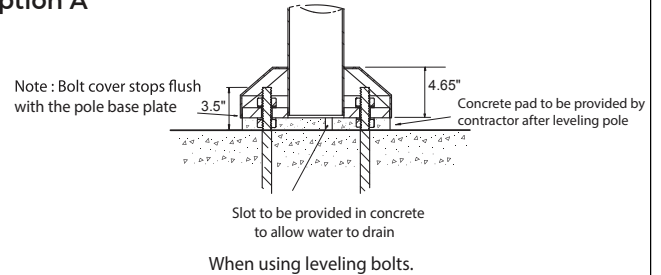
Anchor bolt template may be round or square dependant upon which pole is being used.

## USING LEVELING BOLTS

SHOULD THE CONTRACTOR SELECT TO USE THE LEVELING BOLT METHOD, AN ADDITIONAL 4 BOLTS NEED TO BE PURCHASED

In rare instances where leveling bolts have to be used, it is important that a flush concrete surface is created to mount the pole base plate.  
**NOTE: When using leveling bolts, bolt projection should be 3.5"**

### Using Leveling Bolts Option A

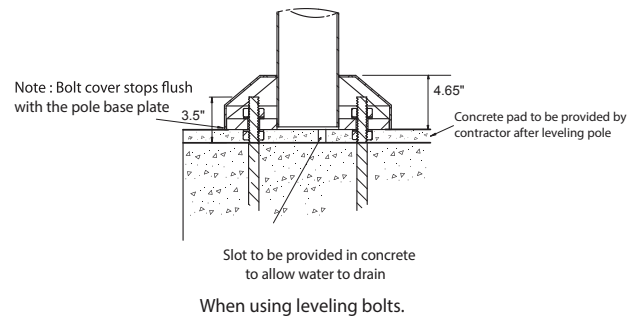


After establishing a level platform the space between the original concrete surface and the pole base should be filled with concrete and finished flush.

This provides a uniform load displacement pad for the forces created by wind and luminaire weight

Foundation and Design by Others

### Using Leveling Bolts Option B



After establishing a level platform the space between the original concrete surface and the pole base should be filled with concrete and finished flush.

This provides a uniform load displacement pad for the forces created by wind and luminaire weight