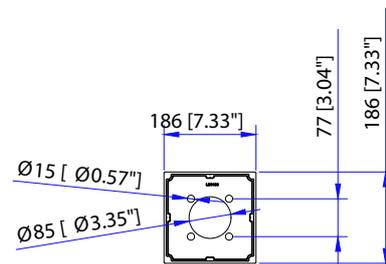
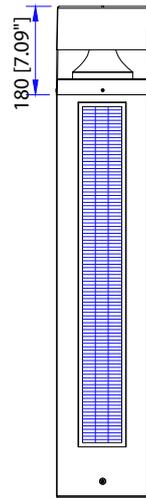
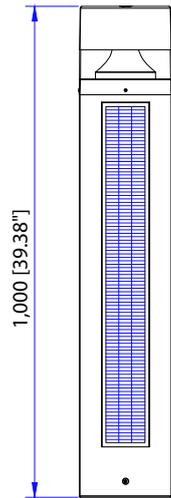
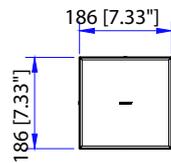


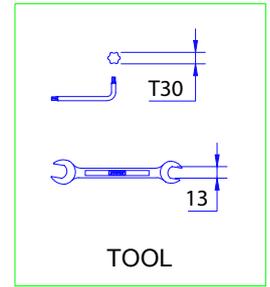
# INSTALLATION AND SERVICE MANUAL

For Installation of Lightsoft 20 Solar integrated bollard.  
Model. ULH-10821, ULH-10822 and ULH-10823

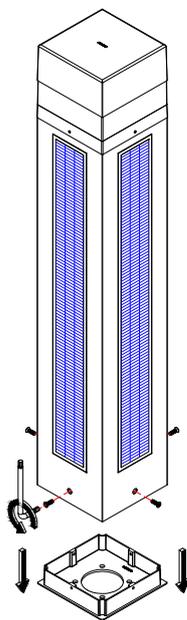
## Product drawing (dimensions)



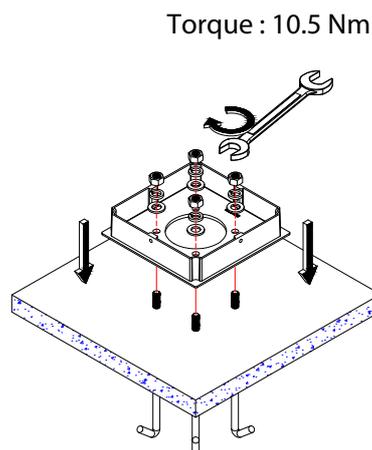
MOUNTING DETAIL



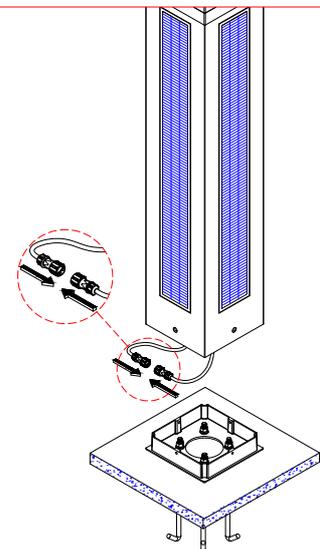
TOOL



1



2



3

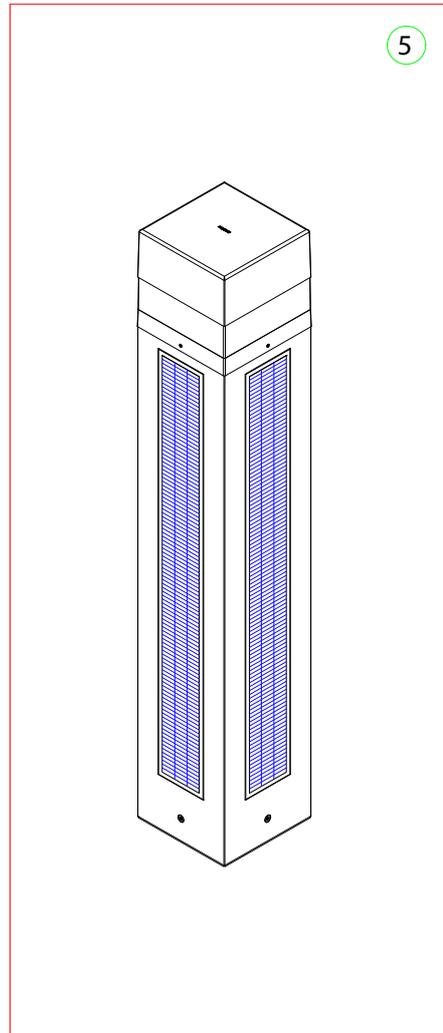
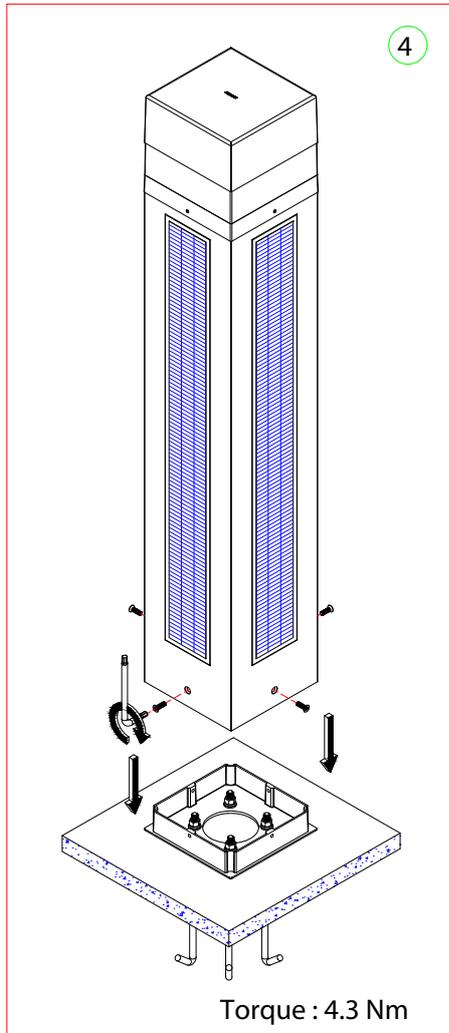
Connection cable between solar and battery

### 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 NE Progress Court, Hillsboro  
Oregon, 97124, USA  
Tel : 503 645 0500 | Fax : 503 645 8100



**Please note the occupancy sensor on this luminaire is only used for presence detection, and does not have an integrated photocell.**

**The ON function at dusk, and the OFF function at sunrise is controlled through the internally mounted control box, detecting power generated by the solar panel.**

**EXAMPLE:** In daylight the solar panels generate power and therefore the controller assumes the sun is shining and turns the fixture off. In darkness, the solar panels are not generating power and therefore the control box turns the fixture on.

**NOTE:** Covering the occupancy sensor will not turn the light ON or OFF. The test button on the hand held programmer is used for this function.