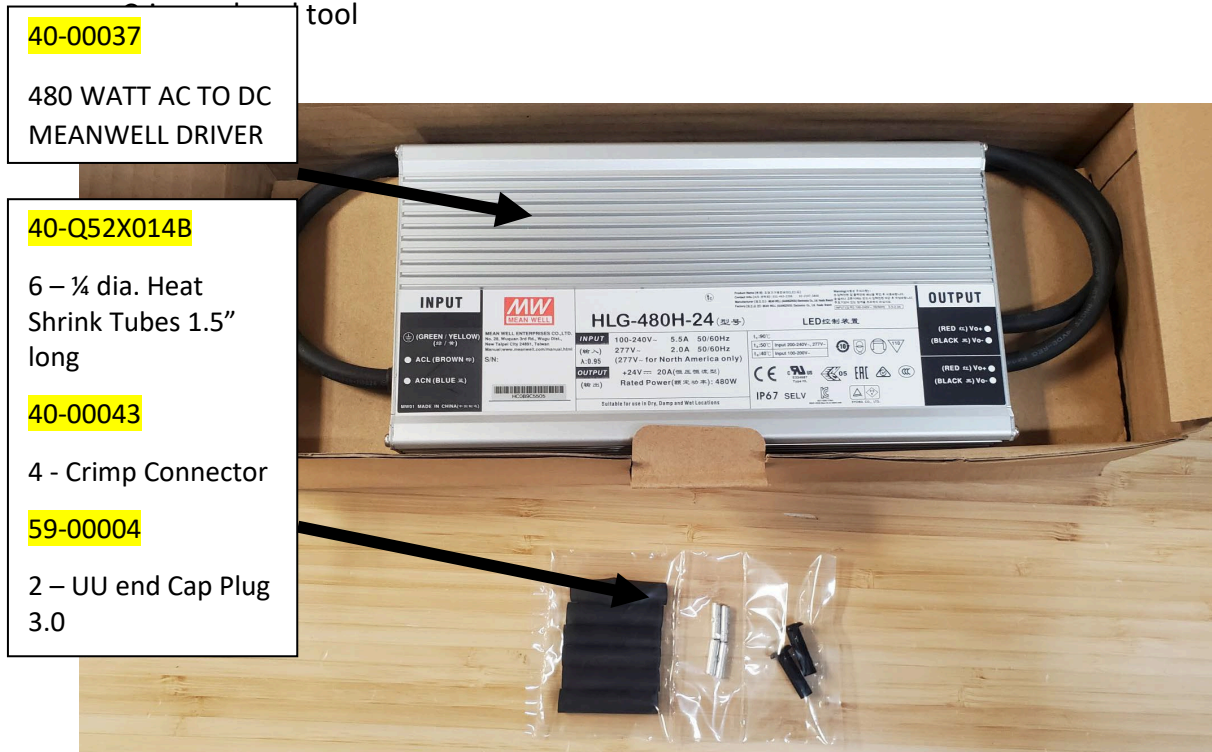


UNDER UDDER 3.0 - DRIVER KIT COMPONENTS/INSTRUCTIONS

The following is a guideline to setting up your Driver to the Gen 3.0 Under Udder Linear Light.

Tools / Materials Needed

- Lighter/Heat Gun
 - Used to Shrink Connectors and Heat Shrink



Include:

80-00030 - Under Udder Instruction

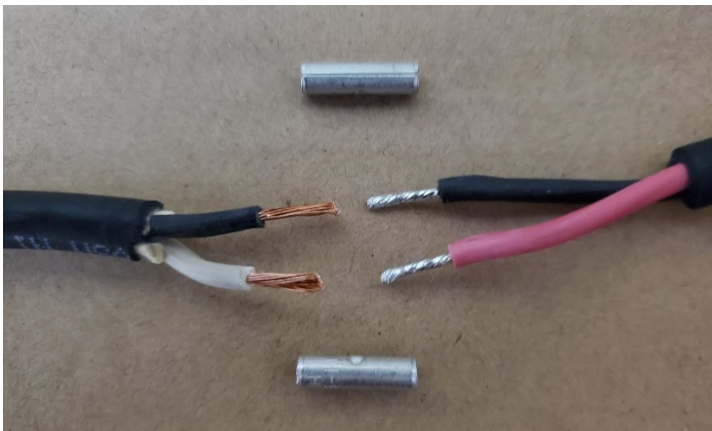


Directions

1. FIND A SUITABLE LOCATION FOR YOUR DRIVER TO BE MOUNTED. PREFERABLY ONE THAT IS IN A DRY NONCONTACT LOCATION OUT OF HARMS WAY.
2. THE OUTPUT SIDE OF THE DRIVER HAS 2 WIRES WHERE YOU WILL CONNECT WIRE FOR THE LED LIGHTS.
 - a. SOME DRIVERS MAY INCLUDE A WIRE FOR DIMMER OPTION. PLEASE UTILIZE STEP 6 ON SEALING THESE WIRES.
3. PLACE HEAT SHRINK ONTO WIRE BEFORE ATTACHING BOTH SIDES OF THE CRIMP CONNECTOR



4. USING CRIMP CONNECTORS, TIGHTLY CRIMP THE DRIVER WIRES WITH THE WIRES CONNECTING TO THE LIGHT CONFIGURATION



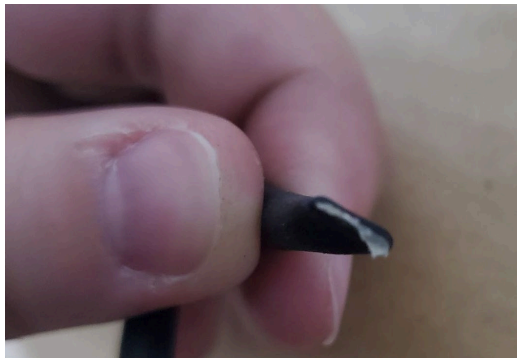
5. USING HEAT GUN OR LIGHTER, APPLY HEAT TO THE HEAT SHRINK TO FORM THE TUBE TO THE WIRES



6. IF YOU ARE ONLY USING ONE WIRE FROM THE DRIVER COVER THE NONUSED WIRE WITH BLACK HEAT SHRINK AND APPLY HEAT WITH TORCH. ENSURE NO CONTACT IS MADE BETWEEN THE WIRES.



- a. Press the edge while still warm to fully seal the wires into the heat shrink



Generation 3 Under Udder Wiring Instructions



Required:

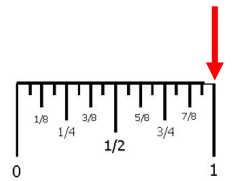
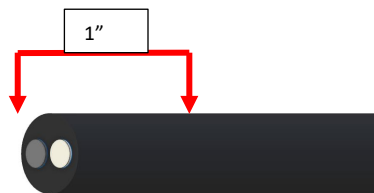
- Spool of Recommended Wire
- Wire Strippers
- Tape measure
- Gen 3 Under Udder Light

Recommended Wire				
Outer Diameter	Wire Gauge	Amps	Conductors	Coating Material
Min. 0.285"	Min. 18 gauge	5+ amps	2 conductors - Stranded Wire	CPE, PVC, Neoprene, TPE
Max. 0.330"	Max. 12 gauge			

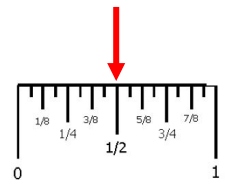
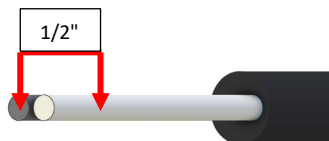
*Wire that does not fall within recommendations may void warranty

Instructions

1. Using wire that meets our recommendation, cut desired length of wire + 2.0 inch per side being attached to an Under Udder light (Ex: 6-inch spaced lights will need a minimum of 10 inches of wire cut lengths)
2. Using the tape measure, mark 1 inch from the end



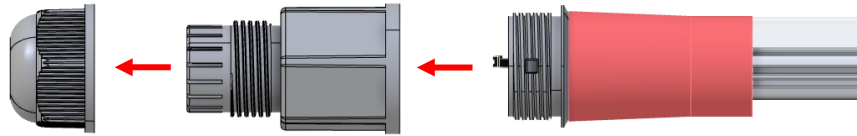
3. Remove the wire outer coating at the 1-inch mark
4. Using tape measure, mark 1/2-inch on both wire



5. Remove the wire coating at the 1/2-inch mark on both wires



6. Unscrew the two caps from the Under Udder light and



7. Slide caps onto the wire with the small wire clench cap first

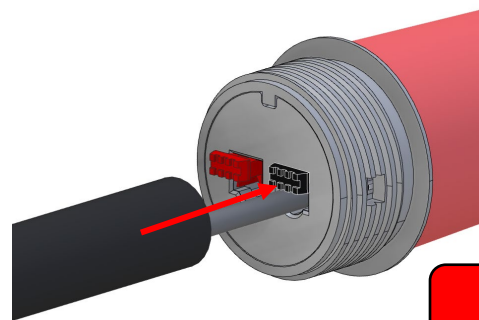
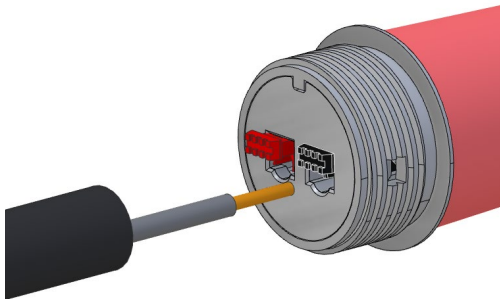


8. Determine which wire is the Positive (Red on the Driver) and Negative (Black on the Driver)

- a. Example wire black wire to black terminal (Negative); white wire to red terminal (Positive)
- b. Ensure to keep positive and negative wire marked and constant throughout wiring

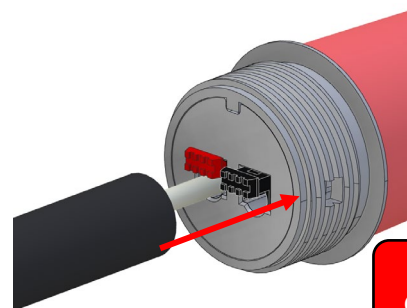
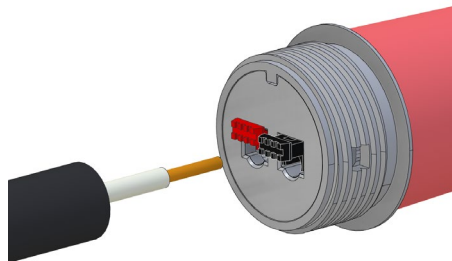
9. Press down on the grip release and slide corresponding wire into the terminal

- a. Ensure exposed wire is fully seated.



Press down
Grip Release

10. Repeat for the other wire

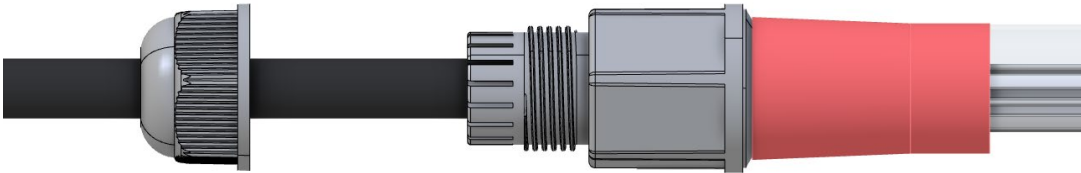


Press down
Grip Release

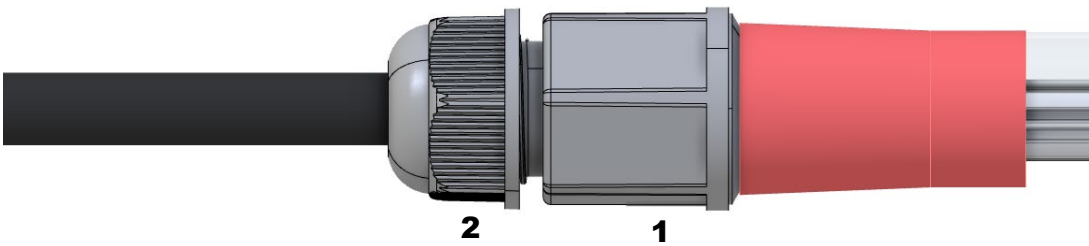
11. Ensure no exposed wire is hanging out of the terminal

Hold wire to avoid being twisted out of terminals while tightening first end cap

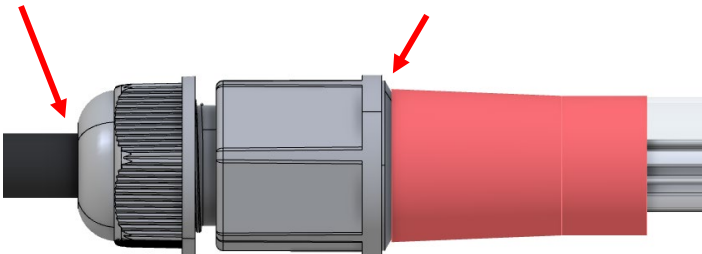
12. Hand Tighten Only – No Wrenches - both caps onto the Under Udder light



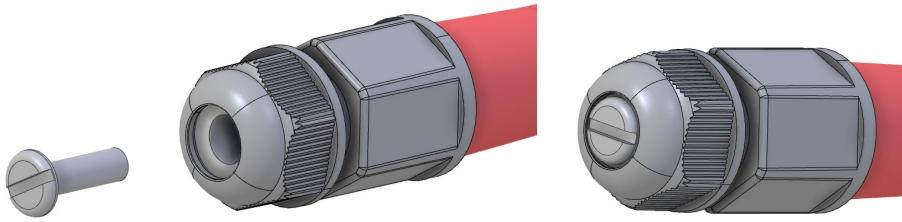
13. Hand Tighten Only – No Wrenches - Hold first cap (1) steady while attaching final cap (2)



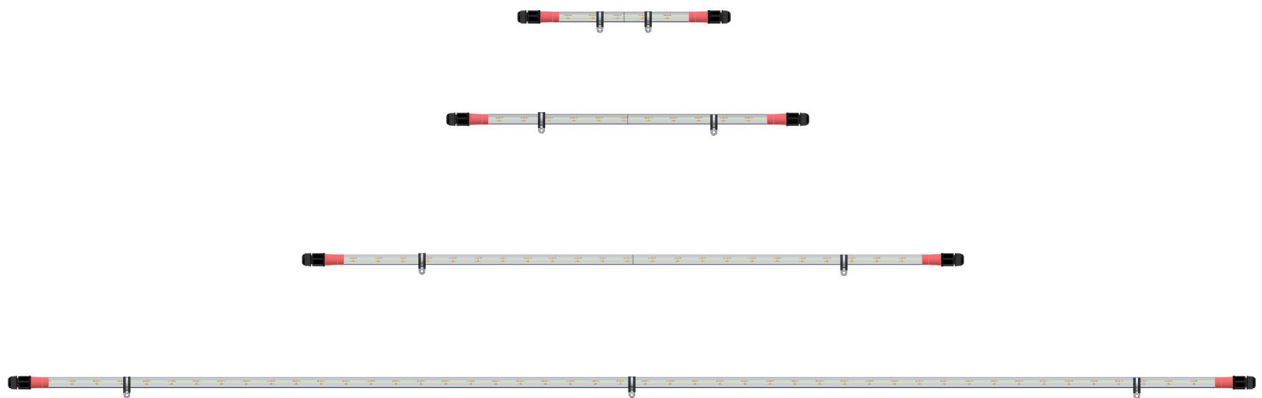
!WARNING! Seals Must be tightened snugly or water intrusion will void warranty



Final lights off each output of the driver will require an endcap plug rather than wire. Place plug into endcap as far as it may go and **Hand Tighten Only – No Wrenches** similar to step 13 and 14.



14. Enjoy Under Udder Lighting!



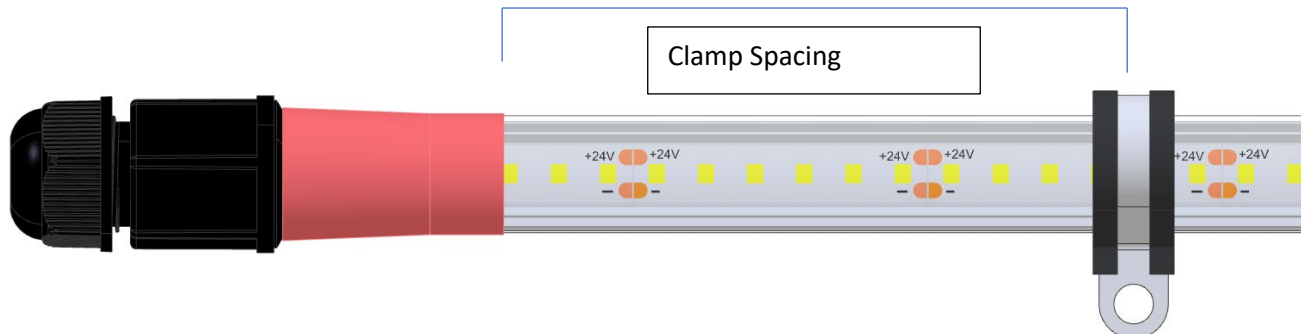
Place light in area where equipment and animals cannot contact

Clamp Location:

18in or less – 3 inches from red seal

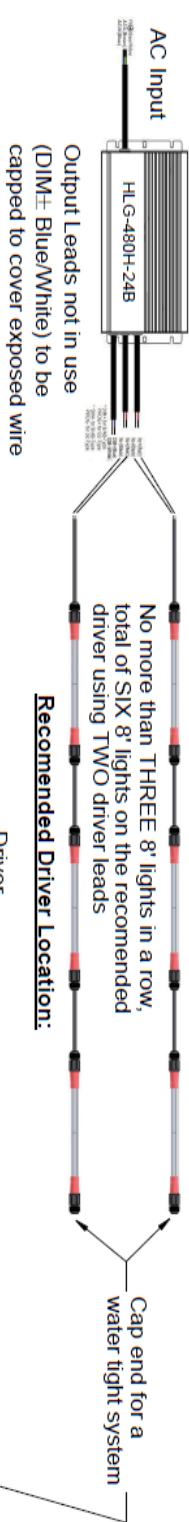
19 – 35 inches – 4 inches from red seal

36 – 95 inches – 6 inches from red seal

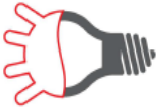
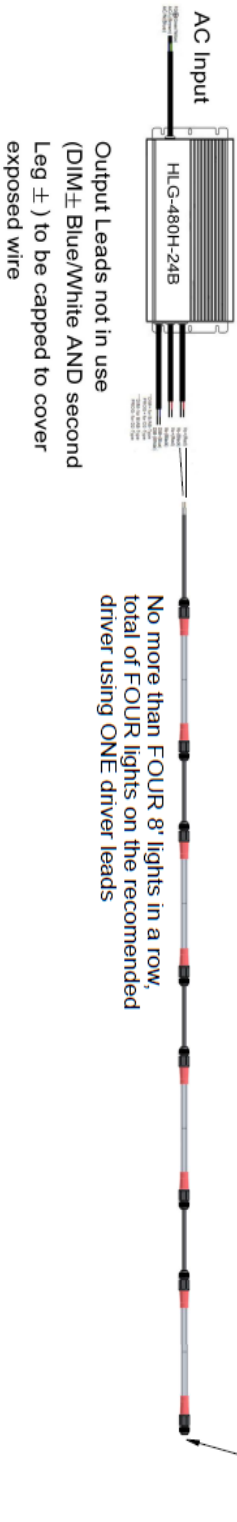


REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

Dual Leads

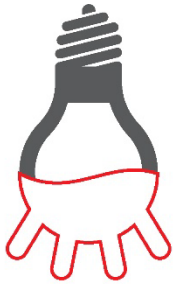


Single Lead



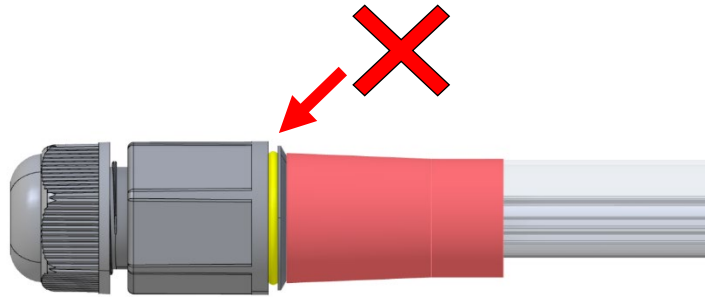
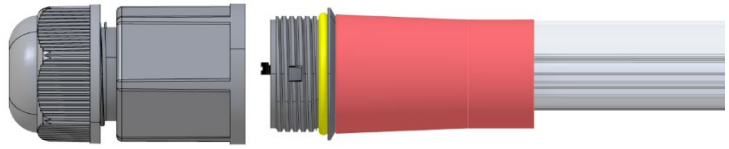
UNDER UDDER
LED LIGHTING
Powered by Arc Archer

		DRAWN	DATE	Under Udder 480W Driver Recommended Configuration PN# 80-00014		
		R. Bowman	8/28/2021			
CHECKED						
QA						
MFG		SIZE	FSQM NO.	DWG NO.	REV	
APPROVED		A				
		SCALE			SHEET	

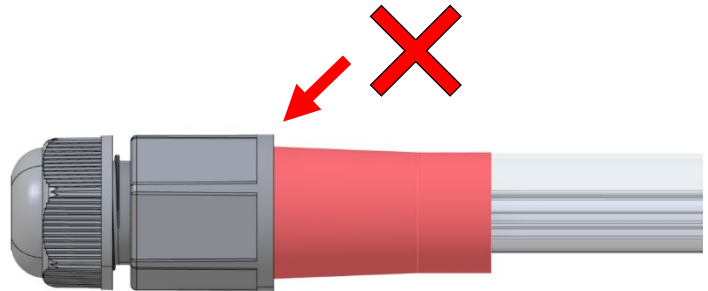


UNDER UDDER
LED LIGHTING
Powered by ArcArcher

Too Loose – The
Yellow O-ring is still
visible



Too Tight – The end
cap over tightened



Perfect! The Yellow O-
ring is not visible and
not over tightened

