

Ring installation instructions

UL316L-SS SERIES SUBMERSIBLE/DRY LED LIGHTS - RING STYLES

UL316L-SS SERIES UNDERWATER LUMINAIRE FOR SWIMMING POOL AND SPLASH PADS

Type

UL316R-27	12VAC/24VDC, 27W
UL316R-24	12VAC/24VDC, 24W
UL316RS-27	12VAC/24VDC, 27W
UL316R-36	12VAC/24VDC, 36W
UL316RS-36	12VAC/24VDC, 36W
UL316R-40RW	12VAC/24VDC, 40W
UL316RS-54	12VAC/24VDC, 54W
UL316RS-72RW	24VDC, 72W - Submersible installation only

INSTALLATION INSTRUCTIONS

All lights should be installed by a certified electrician familiar with DMX technology in accordance with the National Electric Code and all relevant local codes.

Prior to installation, ensure that a 12VAC or 24VDC (matched to lights) UL Listed isolated low voltage Class 2 Power Supply (wet contact limits) has been selected. It is recommended to use only 80% of the full wattage supplied to ensure adequate voltage to the fixture. Voltage drop for long runs must be calculated by the electrician and the correct cable size and/or starting voltage selected on the power supply.

When beginning a new installation please check all fixtures for damage before installing and notify your supplier immediately including a photo if there is any damage. Failure to report damage within 3 days of receipt will void our 1 year warranty.

After removing each light from packaging, please tighten any cap nuts/screws around the face plate which may have loosened during shipping. The tightening torque should be 20 inch-pounds. When fastening the center hub on models UL316R-27, UL316R-36, UL316R-40RW, the tightening torque should be 29 in. lbs. Do not use a power tool as this may damage the threads by over torqueing.

The wires at the end of the cable have been clearly labeled to identify Power and DMX. Damage to a light caused by wrong

connections or water leakage is not covered under warranty. If connecting to an underwater junction box, we recommend installing all lights and then checking that all are performing before potting the J box and adding water to the fountain. All underwater threaded connections (including cord seals) must be done with a marine grade epoxy sealant. Failure to adequately seal the junction box will result in water damage to the fixtures. All lights are supplied with 3 meters UL listed SOW, water resistant cable. All cable to complete the connections for power and data must be properly sized UL listed cable that meets the requirements of local codes. Please consider voltage drop on longer runs and only use DMX shielded cable to protect Data transmission from external noise.

Lights requiring individual addresses will require one of our coders. Instructions come with the coder.

When connecting to a DMX controller it is important to select a DMX-512 (1990 standard) controller in a 3 channel or 4 channel model if programming the lights. If using ACN digital type DMX then the proper gateway conversion must be connected and programmed. Please consult with the supplier of this type of DMX to assist with software required. It is assumed that the installer is familiar with DMX-512 regarding distances, # of individual connections and total runs for one Universe.

