

Spot installation instructions

UL316L SS SERIES SUBMERSIBLE/DRY LED LIGHTS – SPOT STYLES

UL316L SS SERIES UNDERWATER LUMINAIRE FOR SWIMMING POOL AND SPLASH PADS

Type		Type	
UL316-ORION	12VAC/24VDC,5W	UL316-32RW	12VAC/24VDC, 32W
UL316-ORION-RW	12VAC/24VDC,5W	UL316-36	12VAC/24VDC,36W
UL316-9A	12VAC/24VDC, 9W	UL316-40RW	12VAC/24VDC, 40W
UL316-10RW	12VAC/24VDC, 10W	UL316-54	24VDC, 54W
UL316-12RW	12VAC/24VDC, 12W	UL316-72RW	24VDC,72W Submersible Installation only
UL316-18	12VAC/24VDC, 18W	UL316-96	24VDC,96W Submersible Installation only
UL316-24RW	12VAC/24VDC, 24W	UL316-LINEAR	12VAC/24VDC,27W
UL316-27	12VAC/24VDC, 27W	UL316-LINEAR-RW	12VAC/24VDC, 36W

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. This will ensure that all factory tested lights remain waterproof. Do not use a power tool to tighten screws as this may damage the threads by over torquing.

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 the data transmission.

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 3 channel or 4 channel DMX-512 (1990 standard) model that will allow you to program 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.

