

Q-LED II & III COMPARISON

Underwater LED Floodlights

Bright, Sturdy & Ultra-efficient

ROS shook the ROV world in 2008 with the release of the initial Q-LED I and Q-LED II. Now in 2010, ROS has done it again with the long-awaited release of the powerful Q-LED III. For the most part, the Q-LED III is reverse compatible with the Q-LED II. These are the specification changes:

	Q-LED II	Q-LED III
Lamp Type:	38 White LED array	72 White LED array
Color Temperature:	5500° K typical	5600° K typical
Maximum Light Output (at center):	870 Lux @ 1m in air Equivalent to 250W Halogen lamp	3500 Lux @ 1m in air Equivalent to 500W Halogen lamp
Operating Voltage (120V model):	0 to 120VAC 50/60 Hz (0 to 70VAC no light output)	0 to 132VAC 50/60Hz (0 to 70VAC no light output)
Operating Voltage (220V model):	No 220VAC option	0 to 264VAC 50/60Hz (0 to 140VAC no light output)
Maximum Power Consumption:	150VA	250VA
Connector Options:	Various connector options	Same options as Q-LED II, except -04 XSG-3-BCL-HP-SS
Operating Temperature:	Operates in water temps of -2° to 30° C (28° to 86° F)	Operates in water temps of -2° to 40° C (28° to 104° F)
Lifetime:	35,000 Hours	50,000 Hours
Weight in Air:	1.5 kg (3.4 lbs)	1.6 kg (3.6 lbs)
Weight In Water:	0.8 kg (1.8 lbs)	0.8 kg (1.9 lbs)

These specifications remain unchanged:

Operating Depth:	4000m	4000m
Beam Angle:	80° x 80° flood	80° x 80° flood
Size (w/o connector):	7.6in (H) x 2.5in (W) x 2.5in (D)	7.6in (H) x 2.5in (W) x 2.5in (D)
Mounting:	Four 1/4"-20 tapped holes in base on 2.0" centers	Four 1/4"-20 tapped holes in base on 2.0" centers
Dimming:	Via input voltage	Via input voltage
Thermal Protection:	Auto-resetting	Auto-resetting

