



## **5748 BIRNS Aquila™**

### **PHYSICAL-**

Length:	97 mm (3.8 in.)
Diameter:	Ø60 mm (Ø2.38 in.)
Weight in Air:	209 g (7.4 oz.)
Weight in water:	64 g (2.3 oz.)

### **LIGHTING/PHOTOMETRIC -**

Lamp Type:	MR-16 Tungsten-Halogen, 2-pin/GX5.3 base
Time To Full Brightness:	<1 second after application of power
Operating Position:	Universal (i.e. any position)
Dimming Range:	0-100%
Correlated Color Temp.:	2950K to 3400K (per installed lamp)

### **ENVIRONMENTAL -**

Protection Level:	IP 68
Depth Rating:	200 M (660 FSW)
Expected Radiation Tolerance:	10 <sup>6</sup> Gy (10 <sup>8</sup> R)
Protection Level:	IP 68

### **ELECTRICAL -**

Input Voltage:	12 or 24 VAC/VDC (standard), depending on installed lamp
Supply Frequency:	60 Hz standard; 50 Hz available
Cable Size:	16 AWG type SO, 2 conductor (standard)
Cable Current Rating:	12 amperes maximum
Cable Voltage Rating:	600 volts maximum



## MATERIALS -

All Housing Parts:	6061 Aluminum, hard black anodized
Lens:	Non-browning fused silica or quartz
Seals:	Silicone 70 (S1224-70) standard; other materials available
Connector:	Glass-reinforced epoxy (GRE)
Connector Pins:	Brass 360 per ASTM B16, gold-plated per MIL-G-45204