



7701 Blackburn-I™

PHYSICAL-

A. Dimensions

1. Height: 25.0 cm (9.9 inches)
2. Width: 17.3 cm (6.8 inches)
3. Length: 51.3 cm (20.2 inches)

B. Materials

- a. Housing and lens ring: Tempered cast type 357 aluminum, hard anodized per MIL-A-8625C type III class 1, housing vacuum impregnated per MIL-STD-276, enamel painted
- b. Insert ring and support, Snooperette body and ring: Type 6061-T6 aluminum, hard black anodized per MIL-A-8625C type III class 2
- c. All hardware: Stainless steel type 18-8
- d. Switch shaft and receptacles: Stainless steel type 316, passivated per QQ-P-35
- e. UV Lens: Tempered type 1041 ultraviolet-filtered soda-lime glass
- f. O-rings and lens gaskets: BUNA N (Nitrile-NBR) acrylonitrile-butadiene
- g. Connector inserts: Glass-reinforced epoxy (GRE)
- h. Connector contacts: Pins: brass 360 per ASTM B16; sockets: heat-treated beryllium copper; both gold-plated per MIL-G-45204
- i. Snooperette lens: Tempered borosilicate glass
- j. Connector engaging nut: Naval brass type 464 per ASTM B21
- k. Cable: Type SO multi strand copper core, with styrene rubber (STR) primary insulation and black Aquaprene neoprene polychloroprene (CR) jacket

LIGHTING/PHOTOMETRIC -

A. UV Lamp Details

1. Wattage: 100 watts
2. Lamp type: Mercury vapor PAR38 spot, ad medium base
3. Spectral Peak: 360 nanometers
4. Output: 1,250 microwatt/cm² ultraviolet energy (min.)
5. Rated lamp lifetime: 16,000 hours

B. Snooperette Lamp Details

1. Voltage: 12 VAC/VDC
2. Wattage: 50 watts
3. Lamp type: Tungsten halogen with MR-16 dichroic multi mirror
4. Color Temperature: 3,050K
5. Output: 2,160 mean Candelas; 895 initial lumens
6. Rated lamp lifetime: 3,000 hours



ELECTRICAL-

- A. AC Supply Voltage: 115 +/- 15 VAC (standard); 240 VAC available on request
- B. Cable size: 14 AWG type SO, 3 conductor (standard)
- C. Cable current rating: 15 amperes maximum
- D. Cable voltage rating: 600 volts maximum