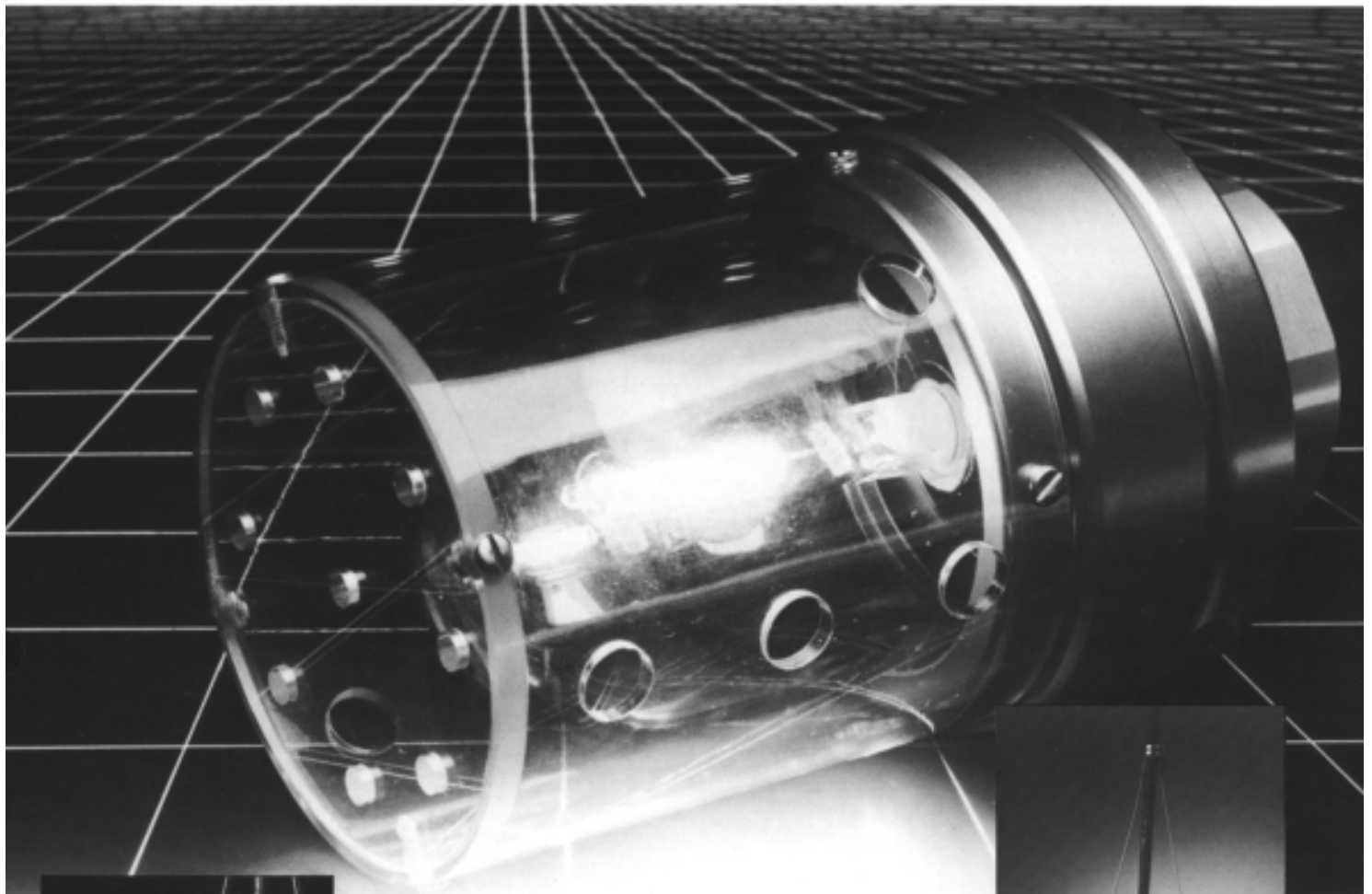


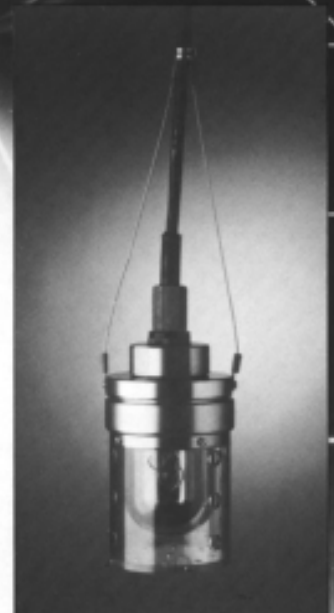
BIRNS NUCLEAR REFUELLING LIGHT

GENERAL PURPOSE AREA LIGHT



*Impact-resistant Lexan protects lens
but does not cut down light output*

- *Safe, easy maintenance*
- *Brilliant 360-degree illumination*
- *60-second tool-free relamping*



*Suspension assembly
eliminates strain on cable connector*



BIRNS
Nuclear Lighting

BIRNS NUCLEAR REFUELLING LIGHT

GENERAL PURPOSE AREA LIGHT

Easy Maintenance

The REFUELLING LIGHT's surface is super-smooth for thorough cleaning. It has no exposed threads or crevices to catch radioactive debris, and no sharp edges to tear workers' clothing. Plus the REFUELLING LIGHT relamps in 60 seconds, without tools, with inexpensive and readily available lamps.



60 second relamping



No sharp edges and no crevices to catch radioactive debris

Brilliant 360-Degree Illumination

Two brilliant lamps are available: long-life 'minicans' and vibration-resistant 'DYS'. Both lamp systems (which are interchangeable) are housed inside a glass lens; this is protected by a clear Lexan lens protector, which doesn't cut down on the light output (unlike steel mesh). And the REFUELLING LIGHT is designed to be suspended - you can put the light right where you need it.

Adaptable

The REFUELLING LIGHT operates on

either 120 or 240 volts; 250, 500, 600, 750 and 1000 watts lamps are available.



Different lamps for different applications.

The REFUELLING LIGHT is now available in either 304 stainless steel or anodised aluminium.

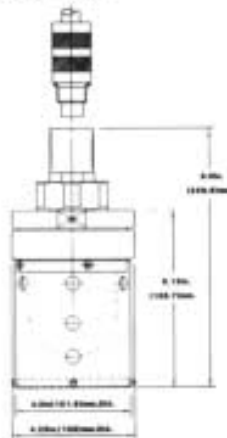
TECHNICAL SPECIFICATIONS

MATERIALS

		RADIATION RESISTANCE
Housing:	Models 5721 and 5722: 6061 (H30) aluminium, clear anodised	
	Models 5725 and 5726: 304 stainless steel	
Lens:	borosilicate glass	10 ⁴ Gy
Seals:	BUNA N (standard)	10 ³ Gy
Connector:	glass-reinforced epoxy delrin (acetal resin) hard-anodised aluminium (5721 and 5722 only)	10 ⁴ Gy
Cable:	AQUAPRENE neoprene-jacketed underwater cable, type SO (standard; SUPER-VUTRON also available)	10 ⁵ Gy

PHYSICAL

Outside Diameter:	4.25" (108mm)
Length:	9.0" (229mm)
Weight in Air (5721):	3.5lbs (1.6 kilos)
Weight in Air (5725):	6.8lbs (3.1 kilos)
Weight in Water (5721):	1.3lbs (1.6 kilos)
Weight in Water (5725):	4.8lbs (2.2 kilos)
Depth Rating:	30m (100ft)



ELECTRICAL

Models 5721 and 5725

120 Volts AC or DC; 250, 500, 750 or 1000 watts
240 Volts AC or DC; 250 or 500 watts

Models 5722 and 5726

120 Volts AC or DC; 600 watts

Internal Wiring: teflon-coated high-temperature wire, earthed housing

Cable Current Rating: 15 amps

Cable Voltage Rating: 600 volts

Housing Dielectricity: 500 volts (5721 and 5722 only)

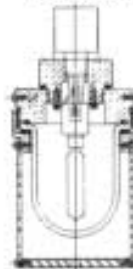
Connector Arc Resistance

(between contacts): 500 volts

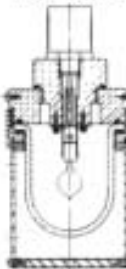
Arc Resistance

(between connector and housing): 1000 volts

MODEL NO 5721



MODEL NO 5722



LIGHTING

Beam Angle: 360-Degrees (circumferential)
180-Degrees (optional)

Colour Temperature: 3000K

* We now use the SI unit for absorbed dose, the gray (Gy), where 1 Gy = 1 J/kg = 100 rad, and 1 rad = 100 erg/gm.

1720 Fiske Place • Oxnard, California 93033-1863
Phone: (805) 487-5393 • FAX: (805) 487-0427 • Email: service@birns.com

www.birns.com

USA Toll-Free:
888-BIRNS-88