



# Pen-Ray® Light Sources

## Pen-Ray® Photochemical Quartz Lamps

### Description

To address heat production and safety concerns relating to high pressure UV light sources for use in photochemistry.

### Applications

- Photochemistry

### Main Features

These PCQ lamps emit approximately 90% of their radiation at 254nm which makes them especially suited to photochemical requirements.

- A 24-40mm ground glass taper joint is standard
- Custom lighted lengths are available
- Manufactured of high grade mercury quartz

### Specifications

See Part Numbers for lamp dimensions

- 90-0049-01: Starting Max 800V, Operating Max 480V
- 90-0049-02: Starting Max 1000V, Operating Max 560V
- 90-0049-03: Starting Max 1500V, Operating Max 680V
- 90-0049-07: Starting Max 1500V, Operating Max 800V



### Part Numbers

PCQ Photochemical Quartz Lamps			
Part Number	Lighted Length	Total Length	Quartz Diameter
90-0049-01	2.50" (63.5mm)	8.38" (212.9mm)	0.375" (9.5mm)
90-0049-02	4.0" (101.6mm)	9.88" (251.0mm)	0.375" (9.5mm)
90-0049-03	6.0" (152.4mm)	11.88" (301.8mm)	0.375" (9.5mm)
90-0049-06	10.0" (254.0mm)	15.88" (403.4mm)	0.375" (9.5mm)
90-0049-07	11.0" (279.4mm)	16.88" (428.8mm)	0.375" (9.5mm)
Power Supplies			
Power supply	99-0004-01 (115V) or 99-0004-02 (230V) @ 26 mAmps		