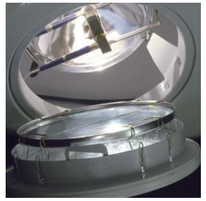
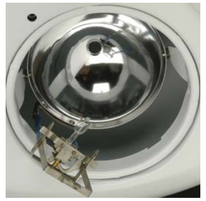
	M70G	S50G
Dome	1 no	1 no
Dome Diameter	762 mm (Nominal)	630 mm (Nominal)
Spring arm Stroke	500mm +/- 50 mm	750mm +/- 50mm
Field size	200mm	200mm
Action radius	1400mm nominal	1500mm nominal
Light output	1,70,000 lux	1,25,000 lux
Colour temperature	4200+/- 300 deg K	4200+/- 300 deg K
Halogen bulb	7X 12V 50 W	5X 12V 50 W
Low Voltage unit with CVT	1 no	1 no
Input supply	230V AC +/- 10%	230V AC +/- 10%
	50 Hz +/- 2%	50 Hz +/- 2%
Out put voltage of Low		
Voltage unit	10.5 to 12.5 V AC, RMS,	10.5 to 12.5 V AC, RMS,
	on load in 4 steps	on load in 4 steps

Recommended ceiling height 9-1/2 ft to 10-1/2 ft. For change in ceiling height please consult our engineer.



Easy to open bezel

UV grade Honeycomb difffuser



Easy to replace lamps

Sterilizable handle/ maneuvering handle

Aerodynamic shape suitable for laminar flow

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Philips Medical Systems India Pvt. Ltd.
8568 5220 5 *05/05

Brilliant performance with cold mirror

Phililux M75G Operation Theatre Lighting System

PHILIPS

Now operate in a new light

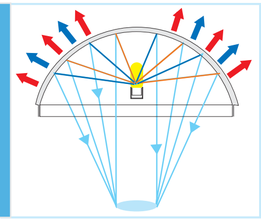
Introducing a brilliant new wave in operation theatre lighting systems. The Philiilux M75 G sets new standards in performance. Designed to aid surgery, the glass reflector with special coating transmits long wave length light and reflectsback short wave length lights to provide the cold effect. This means fatigue-free eyes, deep focus beams and bright brilliance that enables surgeons to work effortlessly for hours.

Philiilux Salient Features

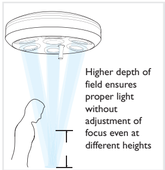
- Superior shadow control with high lux output
- Drift free spring balance control
- Sterilizable handle to help focus and handle to maneuver
- Power supply source with constant voltage transformer (CVTwith intensity control facilities)
- Longer reach and higher action radius
- Aerodynamically designed domes suitable for modern laminar flow OT's
- Yoke arm for S50G provides 6 axes movement for the dome and improves positioning of the dome during surgery
- Glass reflector with cold mirror technology reduces heat and improves light output

Cold Mirror Technology

The Philiilux M75 G uses a (two-colour) dichroic reflector that reflects visible light and transmits infrared (IR) light thus producing a cool beam of reflected visible light. A cold mirror reflects short wavelengths and transmits long wavelengths. The coating in the mirror consists of layers of SiO_2 and TiO_2 on a glass substrate. These reflect light at >90% for 380-750 nm and < 10% for 800-1000 nm. This results in bright light, yet does not cause tiredness or fatigue in the eyes.



Why professionals prefer Philiilux OT Lighting



Shadowless Performance

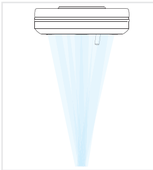
The operating lamps reduce shadows by throwing multiple beams using a multi source balanced optical system with honeycomb diffuser.

Focus Control

Surgeons adjust the focus by twisting the main sterilisable handle. The illuminated zone can be concentrated for maximum intensity or diffused to illuminate a larger area and to reduce visual fatigue.

Deep Cavity Penetration

Deep cavity penetration is achieved using central reflectors which direct light down the axis of the surgical cavity, and peripheral reflectors that illuminate the sides of the cavity.

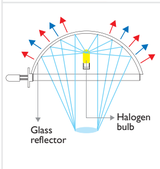


Ultra High Intensity

Every Philiilux lamp achieves light intensity which is the safe maximum recommended by international standards.

Ideal Colour for Surgical Vision

The advanced optics and halogen lamp produce the optimum colour temprature for highlighting human tissue with the minimum of eye fatigue.



Cold Light

Special mirror coating that reflects colder light but allows hot infra red light to go up, this produces a cooler reflected light