

Microscopy

Cold light sources

For high-intensity incident illumination of microscopy specimens, photography and general examination.

- ◆ Infinitely variable light intensity (PL3000B has additional mechanical brightness control)
- ◆ Soft-start feature prolongs lamp life
- ◆ Units can be stacked
- ◆ Side filter insert slot allows insertion of accessory colour filters even when units are stacked
- ◆ Easy lamp exchange
- ◆ Overheat protection

Model		PL1000	PL3000B
Light intensity	max. MLx	8	26
Rating	W	30	150
Intensity control		electronic	electronic and mechanical
Colour temperature	max. setting, K with daylight filter, K	3200 5400	3250 5400
Lamp life	hours	200 to 2000	200 to 1500
Supply requirements		230-240V 50/60Hz a.c. — both models	
Overall, W x D x H	mm	168 x 268 x 120 — both models	
Weight	kg	1.3	1.5

As described. With side filter insert slot, carrying handle and stacking indents moulded into the case, light intensity controls, IEC socket for accessory mains lead and light guide mount. For 230-240V 50/60Hz single phase supplies. Require, but not supplied with, light guide and mains lead.

- MK710-30** PL1000
- MK710-40** PL3000B

Spares

- MK712-30** Spare lamp, 30W, for MK710-30
- MK712-40** Spare lamp, 150W, for MK710-40

Goose neck light guides

With light intensifier which also eliminates the dark spot in the centre of the light cone. Length 500mm, diameter 4mm.

- MK713-04** Single branch
- MK713-08** Double branch

Accessory mains leads

With IEC socket to fit chassis input of light source, 2m cable (2.5m - Australian plug version) and mains plug as indicated.

- MK722-84** With UK 3-pin plug
- MK722-86** With Schuko plug for continental Europe
- MK722-88** With Australian 3-pin plug



MK710-40 with MK713-08

Ring lights

With focussing attachment. Diameter 60mm. Available as 4-point or continuous light types.

	Type mm	Guide length,
MK713-22	4-point	800
MK713-25	4-point	1200
MK713-28	Continuous	800
MK713-31	Continuous	1200
MK713-34	Universal adapter for 38mm to 58mm dia. objectives*	

*Specific adapters for Olympus and Nikon microscopes are available – details on request.

Filters

Slide-in filters with holder for use with MK710- cold light sources.

	Colour
MK713-45	Blue
MK713-47	Green
MK713-49	Yellow
MK713-51	Red
MK713-53	Daylight
MK713-56	Grey



MK716-10 in use with MK716-55/MK716-60

LED Illuminator Lamps

A novel form of incident illumination for stereomicroscopes and general examination of specimens.

- ◆ Daylight illumination output, 5000K colour temperature
- ◆ Non-flickering, ideal for video systems or image processing applications
- ◆ Long LED life
- ◆ Silent and vibration-free
- ◆ Low-voltage operation using separate power supply and controller

As described. Supplied as a single, or double, 34mm diameter spotlight lamp housing containing 19 x white LED's, overall length 45mm, with 1 metre cable, controller with on/off switch, power adjustment to allow variable light intensity, two spotlight output sockets and wall mounting, 24V d.c. mains adapter requiring a 100-240V 50/60Hz a.c. single phase supply. Overall dimensions 96 x 64 x 29mm (control unit), 92 x 41 x 39mm (mains adapter).

- MK716-10** Single spotlight set
- MK716-20** Double spotlight set

Goose necks and base

Semi-rigid metal guides, one end of which attaches to the spotlight lamphousing enabling it to be positioned precisely, the other to a separate heavy baseplate which provides support and can be screwed to the bench or wall.

- MK716-45** Goose neck, 200mm
- MK716-55** Goose neck, 300mm
- MK716-60** Baseplate for goose-neck