

A NEW GENERATION OF COLD LIGHT

COLD LIGHT SOURCES

3 models available with a power rating of :
30W, 100W and 150W.

Infinitely variable intensity control, turbo range.

The infinitely variable control knob allows optimum adjustment of the light intensity, both in the normal and the turbo range. Lamp life can be prolonged by maintaining intensity to the actual requirement and when using the integral soft-start feature.

OPTECH cold light sources are built with ergonomics in mind. From the handle to the low weight, everything is geared to optimum user-friendliness.

ESD version (electrostatic discharge).

All Optech light sources can be supplied as ESD versions, if required.



VISIBLE ADVANTAGES

Side filter insert .

The filter insert is at the side of the unit. This means that filters can easily be changed, even when units are stacked.



Slot-in filters for the light source .

Colour and daylight filters allow considerable variation of the light beam. The filter holder is designed for easy filter change and permits the use of other, suitably adapted filters. In combination with the light guide filters additional effects can be achieved.



Easy lamp change.

The bulbs are quick and easy to change.



Stackable.

The stackability of the units is of great benefit for a number of applications and logistics.



No dark spots.

A patent-pending optical component eliminates the dark spot in the centre of the light cone, with flexible light guides, goosenecks and incident lights, while increasing the light intensity by up to 40%.



SOURCES WITH VISIBLE ADVANTAGES

LIGHT GUIDES

- ▼ High transmission
- ▼ Fibres protected by quality sheathing
- ▼ Stable aluminium end design



Flexible light guides.

These are available as single or dual arm versions. They permit spot illumination.

Gooseneck.

A semi-rigid protective or sheathed tube, in single or dual arm versions permits the light guide to be positioned in the required direction.

Incident lights.

Incident lights consist of a flexible lead to a dual gooseneck which can be attached to the rear of the microscope stand.

Ring lights.

These permit shadow-free illumination and are provided with a unique variable focusing attachment.

ESD version.

Ring lights and goosenecks can be supplied as ESD versions (electrostatic discharge) if required.

ACCESSORIES

Filter and focusing attachment for flexible incident and gooseneck light guides .

The filter and focusing attachment consists of a holder onto which the required focusing lenses and/or suitable filters can be screwed. A comprehensive range of filters is available for diverse applications.



Adjustable stand .

The adjustable stand is for accurate positioning of flexible illuminating light guides. It consists of a heavy base plate and an articulated support arm which can be moved in all directions and fixed in place with the locking knob. The light guides are mounted on the universal, protective holder. The articulated arm can also be used without the base plate by attaching an M6 thread or an M8 Adaptor..



Polarising and fluorescence filters for ring lights .

The Polarising filter set consists of a polariser and an analyser and eliminates reflections. It is inserted into the ring light. Fluorescence filters for ring lights are for examining fluorescence in the visible range (470/540nm).



adaptors for ring lights .

We have a range of adaptors for microscopes and microscope lenses, if ring lights of standard diameter 66 mm cannot be attached. If required, customised adaptors can also be supplied.



TECHNICAL DATA

COLD LIGHT SOURCES

	Mod. PL 1000 cod.B7801	Mod. PL 2000 cod.B7802	Mod. PL. 3000 cod.B7803
Power Rating	30 W	100 W	150 W
Light intensity max. (entrance)	8 Mix	22 Mix	26 Mix
Colour temperature at max.	3200 K	3250 K	3250 K
Voltage	230/240 W (50/60 Hz)	230/240 W (50/60 Hz)	230/240 W (50/60 Hz)
Dimensions	168/120/268 mm	168/120/268 mm	168/120/268 mm

100/120 V models available

LIGHT GUIDES

FLEXIBLE LIGHT GUIDES

Single arm				Dual arm			
Length	Ø 3.0 mm active	Ø 4.5 mm active	Ø 7.0 mm active	Length	Ø 3.0 mm active	Ø 4.5 mm active	Ø 7.0 mm active
800 mm	cod. B7804	cod. B7805	cod. B7806	800 mm	cod. B7807	cod. B7808	cod. B7809
1200 mm	cod. B7810	cod. B7811	cod. B7812	1200 mm	cod. B7813	cod. B7814	cod. B7815
1600 mm	cod. B7816	cod. B7817	cod. B7818	1600 mm	cod. B7819	cod. B7820	cod. B7821

GOOSENECKS

Single arm			Dual arm		
Length	Ø 3.0 mm active	Ø 4.0 mm active	Length	Ø 3.0 mm active	Ø 4.0 mm active
550 mm	cod. B7822	cod. B7823	550 mm	cod. B7824	cod. B7825

ESD versions available

INCIDENT LIGHTS

Arm length	Flexible lead length	Ø 4.0 mm active
550 mm	800 mm	cod. B7827
550 mm	1200 mm	cod. B7828
550 mm	1600 mm	cod. B7831

RING LIGHTS Ø 66 mm.

Four-points		Continuous	
Length	Ø 6.3mm active	Length	Ø 8.3 mm active
800 mm	cod. B7826	800 mm	cod. B7829
1200 mm	cod. B7830	1200 mm	cod. B7833
1600 mm	cod. B7834	1600 mm	cod. B7837

different adaptors and ESD versions available

ACCESSORIES

FOR COLD LIGHT SOURCES

Filterholder empty	cod. B7838	Filter yellow	cod. B7841
Filter blue	cod. B7839	Filter red	cod. B7842
Filter green	cod. B7840	Filter daylight	cod. B7843

FOR FLEXIBLE LIGHT GUIDES AND GOOSENECKS

Articulated support arm	cod. B7844	Filter blue	cod. B7850
Base plate for illumination light guide	cod. B7845	Filter green	cod. B7851
Holder for illumination light guide	cod. B7846	Filter yellow	cod. B7852
Filter-/Lens-holder	cod. B7847	Filter red	cod. B7853
Focusing lens Ø 20 mm	cod. B7848	Filter daylight	cod. B7854
Focusing lens Ø 26 mm	cod. B7849	Filter polarisation	cod. B7855

FOR RING LIGHTS

Polarising filter - set complete	cod. B7856	Fluorescencefilterset 470/540 nm	cod. B7858
Universal Adaptor for objective Ø 38mm to 58mm	cod. B7857		

SPARES

Bulb 30W	for PL 1000	cod. B7859	Fuse 315mA	for PL 1000 230/240V	cod. B7862
Bulb 100W	for PL 2000	cod. B7860	Fuse 630mA	for PL 2000 230/240V	cod. B7863
Bulb 150W	for PL 3000	cod. B7861	Fuse 1A	for PL 3000 230/240V	cod. B7864



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