



National Award for
Outstanding Entrepreneurship - 2010

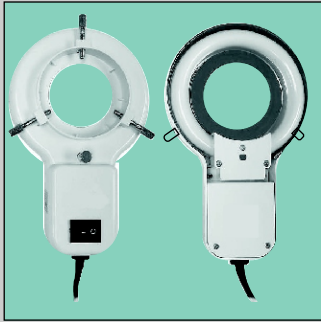


National Award for
Quality Products - 2002

Vaiseshika®

Where Quality and Standards Meet

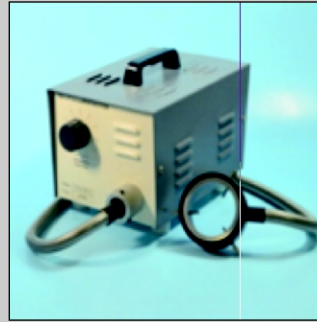
RING ILLUMINATORS : SERIES 360



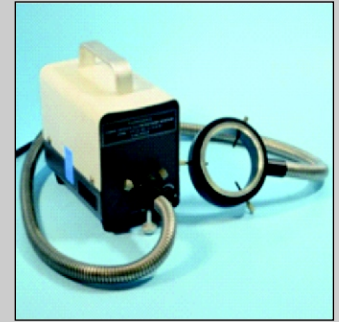
FLUORESCENT CIRCULAR
RING ILLUMINATOR : 360FL



LED CIRCULAR
RING ILLUMINATOR : 360LED



FIBRE OPTIC HALOGEN RING/COXIAL
ILLUMINATOR : 360HL/360HLC



FIBRE OPTIC LED RING/COXIAL
ILLUMINATOR : 360 LED-FO/360 LED-FOC

DESCRIPTION:

Vaiseshika offers a range of **Ring Illuminators**, with main microscope, to facilitate sharp and clear inspection & observation of specimen. These systems are laboratory and industrial grade Illumination systems. These systems provide bright, flicker-free illumination for a variety of application needs including assembly, inspection, imaging and machine vision. These circular Illuminators provide 360° of uniform, shadow-free and glare-free illumination on the specimen. The cool illumination of these systems minimizes eye fatigue in observation of applications that require intricate differentiation of colors and details, for prolonged periods of time and does not radiate heat to the illuminated area.

These systems are compact, quiet and portable. These are suitable for higher magnification (120x plus). Major advantage of ring illuminator is that it provides illumination similar to **Coaxial illumination** which provides shadow free illuminated field, at relatively low cost.

SPECIFICATION:

Specification	Model	360FL	360LED	360HL/360HLC	360 LED-FO/360 LED-FOC
Illumination		Daylight (Fluorescent)	Daylight (LED)	Yellow (Halogen)	Daylight (LED)
Bundle Dia Meter		-----	-----	Ø 5mm or as per customer	Ø 5mm or as per customer
Outer Diameter		Ø98mm	Ø98mm	Ø 82 or as per customer	Ø 82 or as per customer
Inner Diameter		Ø61mm	Ø61mm	Ø 62 or as per customer	Ø 62 or as per customer
Power		8W	4.5W	150W	20W
Input Voltage		220 Volts AC/ 50HZ	220 Volts AC/ 50HZ	220 Volts AC/ 50HZ	220 Volts AC/ 50HZ
Output Voltage		-----	DC12V	21V	-----
Brightness adjust		-----	0-100%	50-100%	0-100%
Working Distance		50-250mm	50-250mm	50-250mm	50-250mm
Quantity of LED/Bulb		-----	64 nos.-144 nos. (LED)	01(Halogen Bulb)	-----
Brightness		16000-20000Lux at ht. 100mm	16000-20000Lux at ht. 100mm	Above 1 Lac Lux	Above 1 Lac Lux
Color of Light		6400K	6400K	-----	6400K
Spare Tube		Optional	-----	Optional	-----

FIBRE OPTICS ILLUMINATORS : SERIES 181 / 177

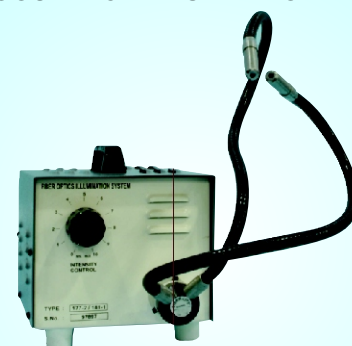
POSITIONABLE GOOSE-NECK ILLUMINATION SYSTEM: Vaiseshika Illuminator 181-1 is an extremely versatile system for illumination of samples. This system is compact, quiet and portable. It provides illumination intensity of above 1 Lac lux, focused at a working distance of 7.6cm. This system is suitable for illumination requirements of microscopy at higher magnification (120x plus). A set of self supporting bifurcated light guide with 5mm bundle diameter is the main highlight of this system. This illuminator is suitable for illumination in all kinds of microscopy. Opposed angle illumination always provide complete illumination of FOV and reduce shadow obstruction. The system employs fibre optics technology of world standard. Photographic exposure time will be short and excellent. System is ideal for light and electron microscopy, examination of cultures and tissue trim preparation for light and micro surgery etc.

MICRO PROBE ILLUMINATION SYSTEM: Vaiseshika offers 177-2 Illuminator which is excellent for industrial illumination requirements of intricately assembled parts such as carburetter, electronic parts with smaller, recessed, deep orifices and cylindrical parts for visual or magnified inspection. The system is versatile to carry the light to inaccessible places in castings and mouldings for the purposes of defect examination. The system consists of a set of six pipets having outside diameters varying from 0.043 to 0.148 inch (1.1 to 3.7 mm). Within this set are two probes : one with a 45 degree distal bend and another with a 90 degree bend having a bundle diameter of 0.109 inch (2.8mm).

SET OF PIPPETS :

A set of six uniquely designed rigid probes with outside diameters ranging from 0.043 to 0.148 inches (1.1 to 3.7 mm) are supplied with 177-2. Out of the six pipets, four of the probes are straight, one is bent at 45 degree angle and one is bent at 90 degree angle. The pipets are provided with PVC sheathed fiber optic light guide and is ideal for industrial usage because of its continuous steel monocoil which provides internal strain relief. The engineering drawings of all the six pipets are given along with their dimensional details in the diagram shown on the **right hand side column**.

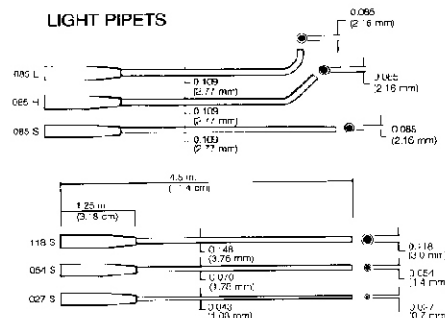
GOOSENECK ILLUMINATOR : 181-1



MICROPROBE ILLUMINATOR : 177-2



LIGHT PIPETS



SET OF PIPETS FOR INDUSTRIAL INSPECTION

SPECIFICATION :

Specification	Model	181-1	177-2
Length		Gooseneck arm 500mm each(2Nos) or custom built	Fibre Cable 1.7 Meters
Bundle Diameter		Ø 5mm or as per customer	Ø 3mm or as per customer
Outer Diameter		Ø 12 or as per customer	Ø 6 or as per customer
Power		150W	150W
Input Voltage		220 Volts AC/ 50HZ	220 Volts AC/ 50HZ
Output Voltage		21V	21V
Brightness Adjust (Continuous)		50 to 100 %	50 to 100 %
Quantity of Bulbs		1	1
Illumination		Above 160000 Lux	Above 160000 Lux