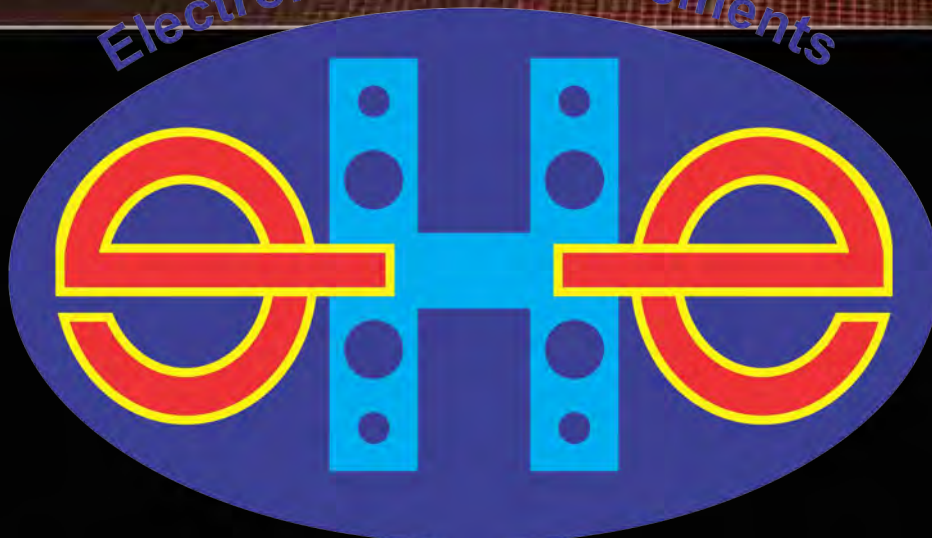


BLACK LIGHT EQUIPMENT



Electrolux heating elements



BLACK LIGHT EQUIPMENT

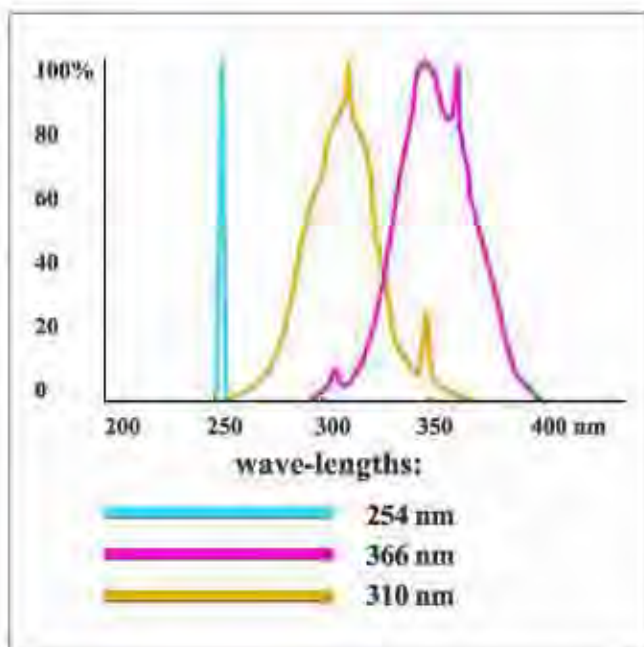
Helios Italquartz produces equipments within wavelengths of 180- 380 nm, starting from small instruments for external testing, up to larger ones for laboratory purposes, all with practical, economical and versatile features.

Ultraviolet radiation is only a small portion of spectrum light produced by natural and artificial sources. Ultraviolet is often identified by the following wavelengths bands, expressed in nanometers:

UV-C short waves (180 ; 280 nm) screened at 254nm are suitable for chemical, photochemical and chromatographical applications, for bacteria and fungus identification in microbiology, for fluorescence materials analysis, mineral analysis.

UV-B medium waves (280 ; 320 nm) transilluminators at 310 nm, are suitable for chromatography and GEL analysis, thin-layer sheet tests, electrophoresis in DNA/RNA research tests and mineral analysis

UV-A long waves (320 ; 380) screened at 366 nm are suitable for many organic applications; fluorescent tests, in foodstuff industry, currency notes and documents checking up, art restoration, in many microbiological analysis tests, such as dermatological or skin diseases and favism care or moreover for geological inspections.



All these units allow non-destructive analysis and controls. Their use is very simple in the observation of fluorescence and sophistication of materials without any alteration.

These kind of equipments are easily handling instrument that may be manually used to inspect any kind of samples by fluorescence arising from UV radiations.

In this way a very small component on sample surface reacts with the UV incident ray by fluorescence phenomena.

In case of continuous inspection tests the instrument may be fixed on a support ten centimetres from test samples. Lamp lighted after 40-60 seconds reaches working efficiency and allows starting the inspection. In order to achieve the best fluorescent visibility we suggest making the tests in dark environment.

Mod. Manwood 36 (Cod. 86L00115)

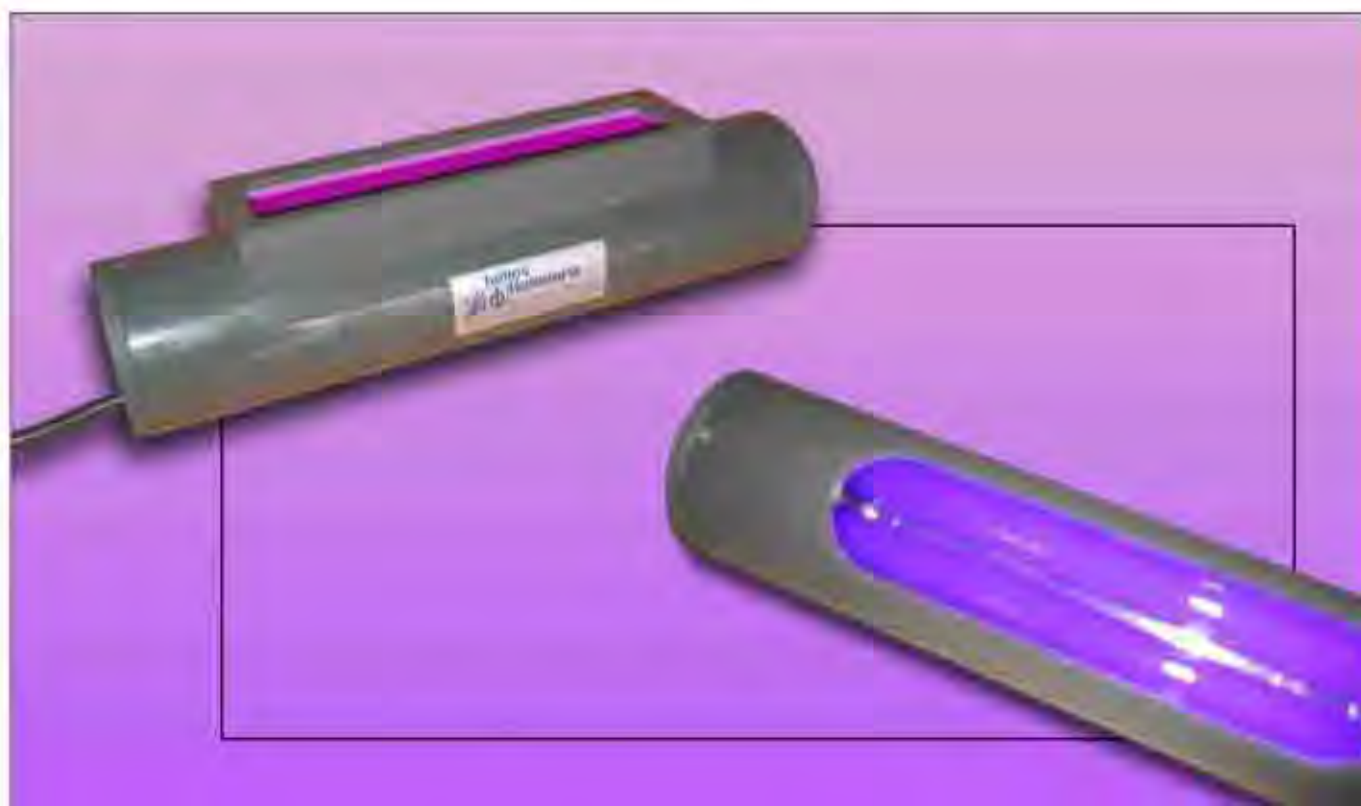
Long wavelength (UV-A) – manual, includes:

- N. 2 glass lamps FL 6 BLB T5, screened at 366 nm, 6 Watt each;
 - PVC case;
 - Cable with 6 Ampere. On/off switch and plug.
- Suitable for the observation of fluorescence on small surface and in microbiological analysis.

Mod. Manwood 25-N (Cod 86L00715)

Short wavelength (UV-C) – Manual, includes:

- N. 2 quartz lamp, G 6 T5, screened at 254 nm, 6 Watt each, (quartz glass filter, dim. 170 x 35 mm.);
 - PVC case with 6 Ampere. On/off switch and plug;
- Suitable for photochemical and chromatographical applications.



Mod. Triwood 25/36 (Cod 86L02615)

It is a manual apparatus particularly useful in laboratories.

It emits short and long wavelengths (UV-C / UV-A).

The apparatus includes:

- n° 4 quartz glass lamps FL 6 BLB T5, screened at 366nm, 6 Watt each, placed in two lateral groups with on/off switching;
- n° 2 central quartz glass lamps G 6 T5 type, screened at 254nm, 6 Watt each (quartz glass filter of dimensions 170 x 35 mm) with single on/off switching;
- metal case;
- cable with 6 Ampere plug.

Suitable for testing when it is needed a strong light intensity and when it is necessary the possibility to vary the wavelength.

Mod. Triwood 6/36 (Cod 86L02115)

It is a manual apparatus particularly useful in laboratories. It emits long wavelengths (UV-A).

The apparatus includes:

-n° 6 quartz glass lamps FL 6 BLB T5, screened at 366nm, 6 Watt each, placed in three groups with on/off switching for single or multiple operations.

-metal case

-cable with 6 Ampere plug

Suitable for testing when it is needed a strong light intensity.

**Triwood accessories****Open support – Cod. 86L06215**

Truncated pyramidal form, closed on three sides, darkened vision. Useful for the introduction of chromatographic sheets.

Dimensions: 495 x 190 x 180 mm

Closed support – Cod. 86L 061 15

Box with a central window, rectangular base with two shutters, total darkened vision.

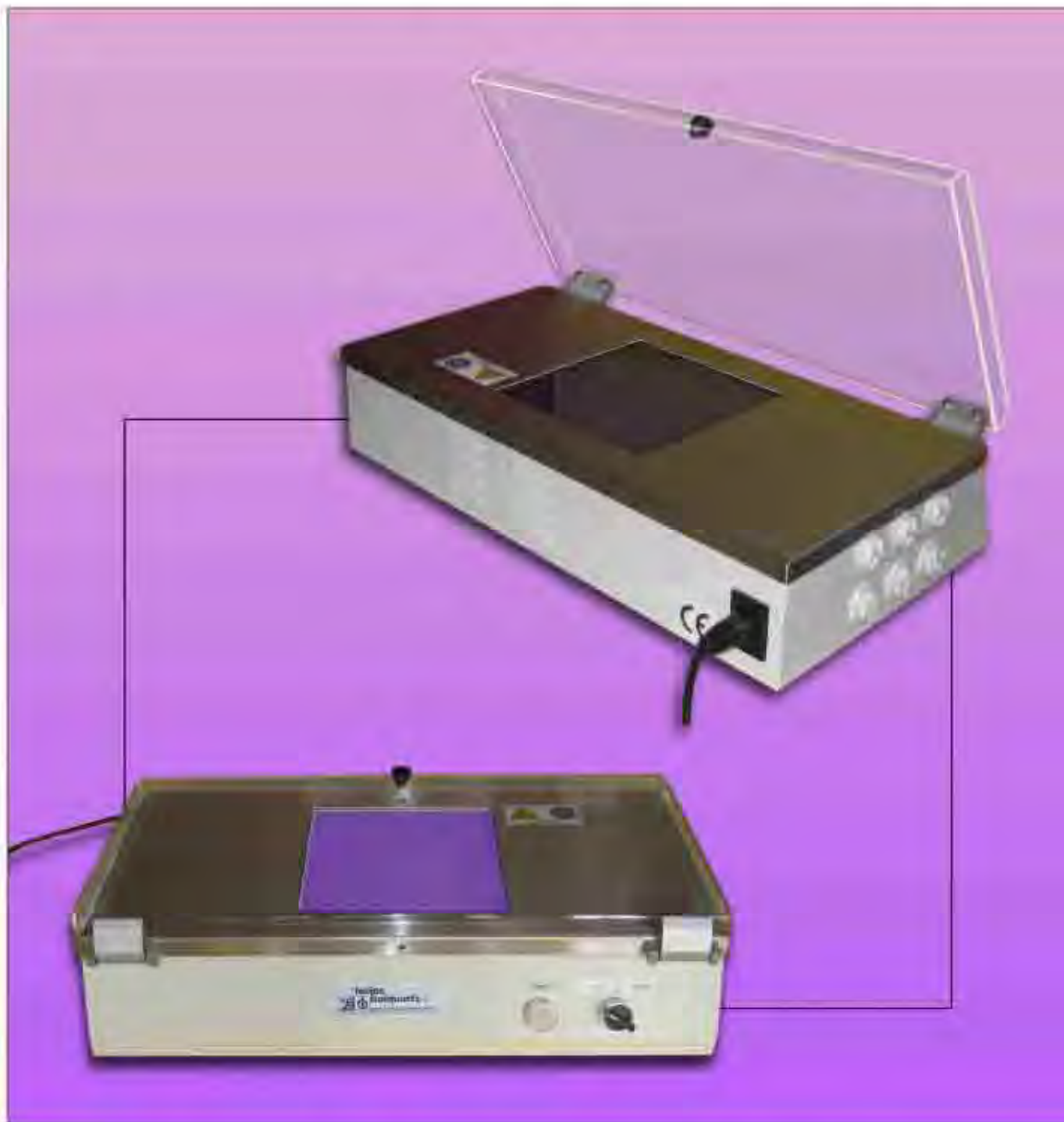
Useful for the introduction of chromatographic sheets of maximum dimensions 200 x 200 mm.

Dimensions: 300 x 270 x 150 mm



TRANSLUMINATORS FOR LABORATORIES

These apparatus are particularly suitable for thin – layer chromatography analysis.



Mod. T.S. 36 – Cod. 86L 041 I5 - Long wavelength (UV-A).

The apparatus includes:

- n° 8 quartz glass lamps FL 6 BLB T5 screened at 366nm, 6 Watt each, covered by a transparent glass filter (dimensions: 180 x 220 mm)
- metal case
- n° 4 on/off switches for each group of two lamps (single or multiple operation)
- cable with 6 Ampere plug.

Mod. T.S. 25 – Cod. 86L 044 I5 - Short wavelength (UV-C).

The apparatus includes:

- nº 6 quartz glass lamps G 6 T5 screened at 254nm, 6 Watt each
- nº 1 quartz glass filter at 254nm (dimensions: 170 x 140 mm)
- metal case
- nº 3 on/off switches for each group of two lamps (single or multiple operation)
- cable with 6 Ampere plug

Mod. T.S. 31 – Cod. 86L 043 I5 - Medium wavelength (UV-B).

The apparatus includes:

- nº 8 quartz glass lamps FL 6 BLB T5 screened at 310nm, 6 Watt each, covered by a transparent glass filter (dimensions: 180 x 220 mm)
- metal case
- nº 4 on/off switches for each group of two lamps (single or multiple operation)
- cable with 6 Ampere plug



Code	Model	Characteristics					Case	Weight
		Lamp			Filter			
		Nº	Type	Watt	Dimensions (mm)	mm	Dimensions (mm)	Kg
86L 001 I5	Manwood 36-N	2	FL 6 BLB T5	12	-	366	Ø63; L. 280	0.50
86L 007 I5	Manwood 25-N	2	G 6 T5	12	170 x 35	254	Ø63; L. 280	0.70
86L 021 I5	Triwood 6/36-N	6	FL 6 BLB T5	36	-	366	260 x 160 x 80	2.15
86L 026 I5	Triwood 25/36-N	4	FL 6 BLB T5	36	-	366	260 x 160 x 80	2.15
		2	G 6 T5		170 x 35	254		
86L 041 I5	T.S. 36 – N	8	FL 6 BLB T5	48	180 x 220	366	260 x 230 x 70	12.00
86L 042 I5	T.S. 25 – N	6	G 6 T5	36	170 x 140	254	260 x 230 x 70	12.00
86L 043 I5	T.S. 31 – N	8	FL 6 BLB T5	48	180 x 220	310	260 x 230 x 70	12.00