



UV-Lamp “Super Light C 10 A-HE“ in Foam Lined Case

Article-No. 142.000.200

Helling Super Light C 10 A-HE

The UV-Lamp Super Light C 10 A-HE consists of 3 component units:

- a) Power supply unit with connection socket, plug and cable all integrated in a portable box
- b) UV-lamp and connection cable
- c) support

The equipment can be connected to any power supply with 230V AC. Transformer, main switch (on/off) and connection socket are installed in the portable box which serves as transportation box of the whole assembly.

Advantages of the Super Light C 10 A-HE

- a) Possible application under daylight due to high UV-intensity
- b) Illumination of hollow sections due to focussing
- c) Additional spotlight with low voltage 12V 10W. Advantage: informational illumination of the area to be inspected within dark rooms
- d) Yellow safety cable means more operational safety
- e) Combination of UV-Band pass filter and UVB-Long pass filter reduce the emission of UVB and UVC to nearly 0%.
- f) Spectral distribution of UV-emission is according to the directives of DGZfP (German Society for NDT) and BGFE (Professional Association for Fine mechanics and Electronics)

Content of Aluminium Case:

- 1 UV Lamp
- 1 Power Supply Unit
- 1 UV Protection Glasses
- 1 Ball Pen
- 1 Pencil
- 2 Edding Pens

Field of Application:

Magnetic Particle Inspection
 Liquid Penetrant Inspection
 Leakage Test on Weld Seams
 technique*
 Leakage Test of open and
 closed systems

Hydraulic Systems
 Electro Industry
 Clean room

Medical sphere*
 Research

* Please apply for our special UVC- or UVB –Catalogues respectively

Technical Data:

Total Weight of Transportation Box	approx. 3,7 kgs
Power cable metal box	approx. 3,0 m
Total weight UV lamp	approx. 1,3 kg
Dimensions	200 x 100 x 80 mm
Input Voltage	230 V 50/ 60 Hz
Starting Current	approx.1,85 A
Operating Current	approx. 1,20 A
Start-up Time	below 5 minutes
Restarting Time	below 10 minutes
UV-Lamp	100 W - E 27
Spot Light	Sofitte 12 V - 10 W
Protection class	I
Type of protection	IP 20
Fuse	3,15 A - delay
UV-Light Intensity	approx. 2300 µW/cm ² at 400 mm distance
Wavelength	365 nm
50 % range of UV-Emission	approx. 1,5 nm
Risk classification	2

Extent of Delivery (Standard):

Power supply unit, lamp housing with UV-Filter fluted, UVB-Long pass filter, UV-Bulb HN 100, support, connection cable and ALU-housing

Special Accessories:

Isolating Transformer 230/230 V 320 VA	
Housing Dimensions: 215 x 235 x 140 mm IP 54 acc. to EN 61558 –2-9	No. 131.009.030
Extension cable with plug and socket for the connection of transportation box and UV-lamp, length: 10m	No. 142.000.304
Extension cable like above, length: 20 m	No. 142.000.305

Spareparts:

Lamp housing	No. 142.000.131
UV Spare Bulb HN 100	No. 142.000.133
Spotlight	No. 142.000.134
UV-Band Pass Filter	No. 142.000.135
UVB-Long Pass Filter	No. 142.000.151
Support	No. 142.000.154

The following requirements are fulfilled:

DIN EN ISO 3059 (EN 50081 Part 1; EN 55011; EN 50082; IEC 801 Part 1 to 3) Directive of DGZfP Nr. FA-EM-06-2001 dd. 16.03.2001, Professional Association BGV B 11, CE – Mark.

