



Focussed UV-Lamp

Article-No. 142.000.110

Helling Super Light C 10 A-S

Focussed UV-Lamp, consisting of 2 component units:

- a) Lamp ballast with connection socket, plug, cable and support, all integrated in a portable box
- b) UV-lamp and connection cable

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 for the whole assembly.

Advantages of the Super Light C 10 A-S:

- a) Possible application under daylight due to high UV-light 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) Built-in connection socket 230V 10A (Schuko) for portable lamp or magnetising yoke
- e) Built-in control function with LED display, indicating the working current to be achieved. In case the LED is shining immediately after switching the lamp, the lamp is defective or still too hot.
- f) Yellow safety cable means more operational safety
- g) Combination of UV-Band pass filter and UVB-Long pass filter reduce the emission of UVB and UVC to nearly 0%.
- h) 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)

Field of Application:

Magnetic Particle Inspection
 Liquid Penetrant Inspection
 Leak-proof Testing on Weld Seams
 technique*
 Leak-proof Testing on 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:

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|------------------------------------|---|
| Total Weight of Transportation Box | approx. 7,5 kg |
| Length of power cable metal box | approx. 3,0 m |
| Total weight of UV lamp | approx. 1,3 kg |
| Power cable UV lamp | approx. 5,0 m |
| Dimensions | 280 x 280 x 140 mm |
| Input Voltage | 230 V 50/ 60 Hz |
| Starting Current | approx. 1,85 A |
| Normal Current | approx. 1,20 A |
| Starting Time | below 5 minutes |
| Restarting Time | below 10 minutes |
| UV-Lamp | 100 W - E 27 |
| Spot Light | Sofitte 12 V - 10 W |
| Fuse | 3,15 A – T |
| Protection class | I |
| Type of protection | IP20 |
| UV-Light Intensity | approx. 4.000 µW/cm ² at 400 mm distance |
| Risk classification | 2 |
| Wavelength | 365 nm |
| Half-width value of UV-Emission | about 1,5 nm |

Extent of Delivery (Standard):

Lamp ballast, lamp housing with UV-filter fluted, UVB-Long pass filter, UV-bulb HN 100, support, connection cable and transportation box

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: 10 m | No. 142.000.301 |
| Extension cable like above, length: 20 m | No. 142.000.302 |

Spare Parts:

| | |
|----------------------|-----------------|
| 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-06-2001v. 16.03.2001, Professional Association BGV B 11, CE-Mark.

