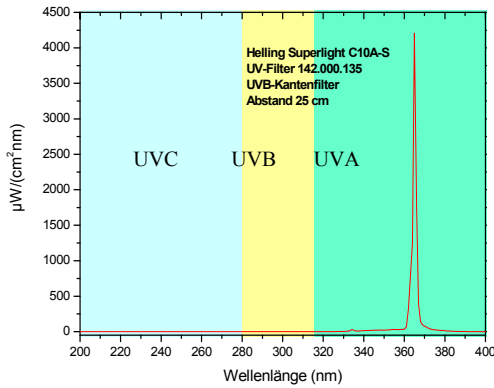
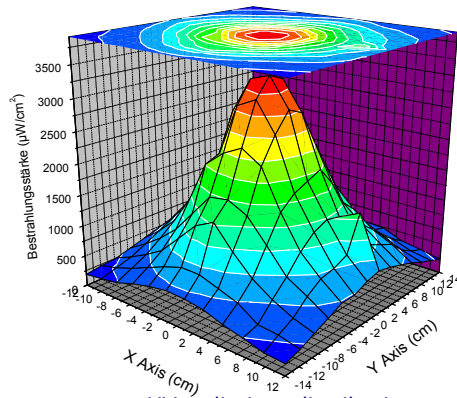


## HAND LAMPS

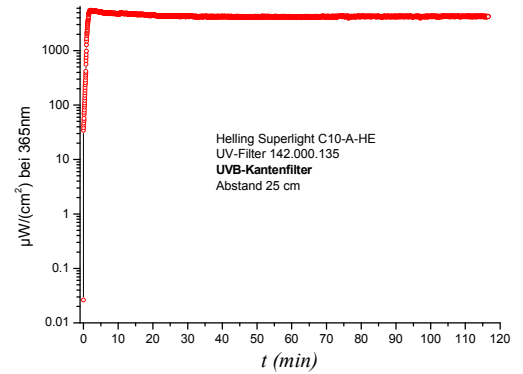
### MERCURY-VAPOUR UV HAND LAMPS



UV radiation spectral distribution



UV radiation distribution



UV radiation constancy

## Helling Super UV 2005 – focused UV lamp

Art. No. 142.000.106

The Super UV 2005 lamp consists of two construction units:

- power supply unit in a steel housing with integrated starting controller, switch und plug
- UV source with connection cable

### Advantages:

A low cost UV lamp. Possible application under daylight due to high UV intensity. Also useful for leak testing of oils with intrinsic fluorescence or oils treated with H 800 fluorescent additive (See P. 58).

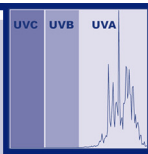
### Scope of supply:

- steel housing with starting controller and cable
- UV source case with HN 100 UV lamp, plain band-pass filter and UVB long-pass filter.
- UV protective glasses, writing implements
- aluminum carrying case

### Specifications:

Input voltage:	230V - 50/60Hz
Operating current:	approx. 1,1 A
Warm-up time:	< 5 min.
Recovery time:	< 10 min.
UV source:	HN 100W-E27
Lifetime of UV source:	approx. 1500 hrs..
UV intensity at 400 mm distance:	9000 μW/cm <sup>2</sup> ,
Wavelength:	365 nm
Emission half-width:	approx. 1,5 nm
Risk class acc. to EM6:	IV
Total weight:	approx. 5 kg
Dimensions:	200x100x65 mm
Protection class:	IP 20





### Helling Superlight C 10 A-HE – UV lamp

Art. No. 142.000.200

The Superlight C 10 A-HE lamp consists of three construction units:

- power supply unit in a aluminum housing with integrated starting controller, switch und plug
- UV source with connection cable
- Aluminum holder

**Advantages:**

Additional spotlight with low voltage 12V (10W) for orientating illumination in dark rooms. Also useful for leak testing of oils with intrinsic fluorescence or oils treated with H 800 fluorescent additive (See P. 58).

**Scope of supply:**

- aluminum housing with starting controller and cable
- UV source case with HN 100 UV lamp, structured band-pass filter and UVB long-pass filter
- holder
- UV protective glasses, writing implements
- aluminum carrying case

**Specifications:**

Input voltage:	230V - 50/60Hz
Operating current:	approx. 1,2 A
Warm-up time:	< 5 min.
Recovery time:	< 10 min.
UV source:	HN 100W-E27
Lifetime of UV source:	approx. 1500 hrs..
UV intensity at 400 mm distance:	4000 $\mu\text{W}/\text{cm}^2$ ,
Wavelength:	365 nm
Emission half-width:	approx. 1,5 nm
Spotlight:	Sofitte 12 V – 10W
Risk class acc. to EM6:	II
Total weight:	approx. 5 kg
Dimensions:	200x100x80 mm
Protection class:	IP 20



### Helling Superlight C 10 A-SH – focused UV lamp

Art. No. 142.000.300

The Superlight C 10 A-SH lamp consists of three construction units:

- power supply unit in a aluminum housing with integrated starting controller, switch und plug
- UV source with connection cable
- Aluminum holder

**Advantages:**

Possible application even under daylight due to high UV intensity. Additional spotlight with low voltage 12V (10W) for orientating illumination in dark rooms. Also useful for leak testing of oils with intrinsic fluorescence or oils treated with H 800 fluorescent additive (See P. 58).

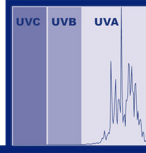
**Scope of supply:**

- aluminum housing with starting controller and cable
- UV source case with HN 100 UV lamp, plain band-pass filter and UVB long-pass filter
- holder
- UV protective glasses, writing implements
- aluminum carrying case

**Specifications:**

Input voltage:	230V - 50/60Hz
Operating current:	approx. 1,2 A
Warm-up time:	< 5 min.
Recovery time:	< 10 min.
UV source:	HN 100W-E27
Lifetime of UV source:	approx. 1500 hrs..
UV intensity at 400 mm distance:	9000 $\mu\text{W}/\text{cm}^2$ ,
Wavelength:	365 nm
Emission half-width:	approx. 1,5 nm
Spotlight:	Sofitte 12 V – 10W
Risk class acc. to EM6:	IV
Total weight:	approx. 8 kg
Dimensions:	200x100x80 mm
Protection class:	IP 20





## Helling Superlight C 10 A-S – UV lamp

Art. No. 142.000.110

The Superlight C 10 A-S lamp consists of two construction units:

- Metal case with integrated power supply unit, starting controller, switch, plug and holder
- UV source with connection cable

### Advantages:

Additional spotlight with low voltage 12V (10W) for orientating illumination in dark rooms. Additional safety socket, e.g. for connecting an electromagnet. Also useful for leak testing of oils with intrinsic fluorescence or oils treated with H 800 fluorescent additive (See P. 58).

### Scope of supply:

- metal case with starting controller, cable and holder
- UV source case with HN 100 UV lamp, structured band-pass filter and UVB long-pass filter
- UV protective glasses

### Specifications:

Input voltage:	230V - 50/60Hz
Operating current:	approx. 1,2 A
Warm-up time:	< 5 min.
Recovery time:	< 10 min.
UV source:	HN 100W-E27
Lifetime of UV source:	approx. 1500 hrs..
UV intensity at 400 mm distance:	4000 $\mu\text{W}/\text{cm}^2$ ,
Wavelength:	365 nm
Emission half-width:	approx. 1,5 nm
Spotlight:	Sofitte 12 V – 10W
Risk class acc. to EM6:	II
Total weight:	approx. 7.5 kg
Dimensions:	280x280x140 mm
Protection class:	IP 20



## Helling Superlight C 10 A-SHK – focused UV lamp

Art. No. 142.050.300

The Superlight C 10 A-SHK consists of two construction units:

- Metal case with integrated power supply unit, starting controller, switch, plug and holder
- UV source with connection cable

### Advantages:

Possible application even under daylight due to high UV intensity. Also useful for leak testing of oils with intrinsic fluorescence or oils treated with H 800 fluorescent additive (See P. 58).

### Scope of supply:

- metal case with starting controller, cable and holder
- UV source case with HN 100 UV lamp, plain band-pass filter and UVB long-pass filter
- UV protective glasses

### Specifications:

Input voltage:	230V - 50/60Hz
Operating current:	approx. 1,2 A
Warm-up time:	< 5 min.
Recovery time:	< 10 min.
UV source:	HN 100W-E27
Lifetime of UV source:	approx. 1500 hrs..
UV intensity at 400 mm distance:	9000 $\mu\text{W}/\text{cm}^2$ ,
Wavelength:	365 nm
Emission half-width:	approx. 1,5 nm
Risk class acc. to EM6:	IV
Total weight:	approx. 7.5 kg
Dimensions:	280x280x140 mm
Protection class:	IP 20

