

## Germicidal lamps – UVGI (Ultraviolet Germicidal Irradiation)

- Degermination of the air or of surfaces through Ultraviolet Germicidal Irradiation
- 15 Watt, 30 Watt, 55 Watt, 60 Watt, 110 Watt – 16 Models
- With or without reflector
- Suitable for mounting on ceiling or wall or can be used with a stand
- Higher Safety with Remote Control



### Safety Advice:

UV-C-Irradiation is very dangerous for your eyes and skin.  
Always wear adequate protection,  
urgently keep your eyes and skin covered.



### UV-Schutz:

Catalog No.	Item	Price w.o. VAT
29 93 100	UV Protection Glasses	42,00 €
29 93 000	UV Full Face Protection	107,00 €

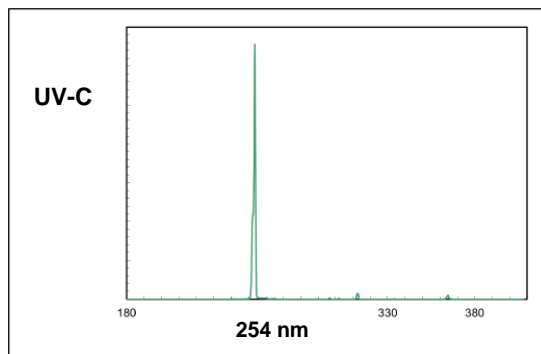


All products built by Herolab carry the CE sign. Herolab has its own quality management system which is according to ISO 9001. Herolab reserves the right to change technical specifications without prior notice.

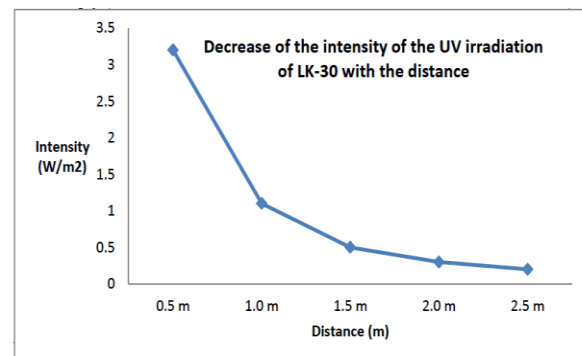
Germicidal lamps are always equipped with UV tubes that emit UV-C. The ones used in our models are low-pressure tubes which emit light of the wavelength of 254 nm. According to the literature, this wavelength range is very well suited to inactivate bacteria, viruses and fungi or spores. The high-energy UV-C light destroys the DNA or RNA structure (genetic material) of the microorganisms and this way they are killed or inactivated.

The inactivation is dependent on the dose (intensity x time). The intensity of the light is higher with shorter distance. The lethal effect varies immensely for different organism and therefore no precise value can be given for degermination.

**Safety advice:** UV-C light which is naturally not present in our environment is very harmful. Eyes and skin **never** expose to this irradiation.



**UV-Emission spectra of the UV-C-tubes**



**Intensity of the UV-C irradiation**

### Degermination of the Air:

By natural convection, reinforced by the heat of the lamp, there is an air recirculation in the room, so that all germs should get into the intense radiation once.

In this way, the UV light ensures that the entire germ level in the room is greatly reduced. Disinfection is a function of intensity of the irradiation and the time. The dose effect is very different for the individual microorganisms. The longer the UV light the higher the effect of degermination.

*Recommendation:* For a room of about 15 m<sup>2</sup> and about 2.20 m height, you should use **two LK-30**.  
For a room of about 60 m<sup>2</sup> and about 2.20 m height, you should use **six LK-55**.

### Decontamination of surfaces:

Please note that germs in cracks or in radiation shadow are not harmed by the light. Chemical disinfection should always be carried out here.

**Please note:** UV light can affect surfaces such as plastics or varnishes, etc. in a negative way.

### Models (220-240 Volt, 50/60 Hz):

❖ For your safety we recommend to choose models with remote control (C models).

Cat. No.	Model	UV tube, ozone free UV-C (254nm)	Reflector	Remote Control
29 55 820	LK-15	1 x 15 Watt	w.o. Reflector	/
29 55 815	LK-15 R	1 x 15 Watt	<b>with Reflector</b>	/
29 55 810	LK-30	1 x 30 Watt)	w.o. Reflector	/
29 55 800	LK-30 R	1 x 30 Watt	<b>with Reflector</b>	/
29 55 855	LK-55	1 x 55 Watt	w.o. Reflector	/
29 55 856	LK-55 R	1 x 55 Watt	<b>with Reflector</b>	/
29 55 860	LK-60	<b>2 x 30 Watt</b>	w.o. Reflector	/
29 55 865	LK-110	<b>2 x 55 Watt</b>	w.o. Reflector	/
29 55 823	LK-15 C	1 x 15 Watt	w.o. Reflector	<b>Yes</b>
29 55 818	LK-15 RC	1 x 15 Watt	<b>with Reflector</b>	<b>Yes</b>
29 55 813	LK-30 C	1 x 30 Watt	w.o. Reflector	<b>Yes</b>
29 55 803	LK-30 RC	1 x 30 Watt	<b>with Reflector</b>	<b>Yes</b>
29 55 858	LK-55 C	1 x 55 Watt	w.o. Reflector	<b>Yes</b>
29 55 859	LK-55 RC	1 x 55 Watt	<b>with Reflector</b>	<b>Yes</b>
29 55 863	LK-60 C	<b>2 x 30 Watt</b>	w.o. Reflector	<b>Yes</b>
29 55 868	LK-110 C	<b>2 x 55 Watt</b>	w.o. Reflector	<b>Yes</b>

❖ All models without remote control also are available in 110-120 volt versions.

**The Floor stand on rollers is not included in the price and must be ordered separately (max. height: 1.80 m).**

All mentioned models are suitable for ceiling or wall mounting  
(Delivery incl. set for wall mounting, hole spacing: LK-15: 51 cm, all other models: 97 cm)  
or for floor stand on rollers (max. height 1.80 m)



**Note:** From approx. 2.5 m room height, the suspension with a chain from the ceiling is recommended and ordering with reflector makes sense.

- Suspension set 29 55 850 must be ordered separately!

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## Accessories:

Cat. No.	Item
<b>29 55 201</b>	<b>Floor stand on rollers, max. height: 1,80 m</b>
29 55 850	Set for suspension from ceiling
29 93 000	UV Full Face protection

## Spare parts:

Cat. No.	Item
29 84 115	Replacement UV tube, 15 W, 254 nm, ozone free
29 84 130	Replacement UV tube, 30 W, 254 nm, ozone free
29 84 155	Replacement UV tube, 55 W, 254 nm, ozone free
29 55 851	Set for wall mounting



## Remote Control for your safety (not with all models – see page 3):

- **Wireless remote control (433.92 MHz) battery operated (batteries included)**
- **Max range of 30 meters (receiver can be controlled with up to 6 remote controls)**
- **15 channels for any number of lamps/lamp groups**
- **8 timer functions can be stored per channel**
- **3 operating modes for the timer function:**
  - **Daily:** The timer turns on and off daily at the preset times.
  - **Once:** The timer turns on and off once.
  - **Random:** The timer switches on and off daily for random intervals. - **Caution: UV light!**

## Technical data:

- UV Irradiation **UV-C (254 nm)**  
15 Watt / 30 Watt / 55 Watt / 60 Watt / 110 Watt
- Mid Life span of the tubes: 9.000 hours
- Power: 220-240 Volt, 50/60 Hz
- Power cable: approx. 1,80 m (longer cable on request) with plug + switch on the housing
- Dimensions and weight:  
**LK-15:** Length: 52,4 cm, Weight: approx. 1,6 kg  
**LK-30 / LK-55:** Length: 98 cm, Weight: approx. 2,5 kg  
Width: 6 cm, Height: 7 cm (housing only) resp. 12,5 cm (with reflector and UV tube)  
**LK-60 / LK-110:** Length: 98 cm, Width: 11 cm, Höhe: 7 cm (housing only) resp. 12,5 cm,  
Weight: ca. 5kg

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