

EY98E309**LED disinfection device**

- / plastic housing
- / diverse mounting options
- / volume throughput 133m³ per hour
- / operating voltage 230V AC



**dry disinfection by UV-C light
kills bacteria, viruses and germs**

TECHNICAL DATA

operating voltage U _B	220 ... 240V AC, 50 / 60Hz
Leistungsaufnahme	33.5W
number of beams	1
transmitting element	1 x 20W at 90μW/cm ² at 1m distance
wave length	254nm
radiation source distance	~ 28mm
air circulation rate	133m ³ per hour
temperature (operating)	10 ... 50°C
degree of protection (EN 60529)	IP 20
dimensions	800mm x Ø 205mm
noise level	25.1db(A)
connection	2.7m cable , mains plug with switch
mounting accessories	2 stainless steel feet AE98E310

This LED disinfection device stands for a UVC-technological dry disinfection of the room air. In this process, the air drawn in is swirled by the internal shape as well as the inlets and outlets that are protected from view in such a way that a disinfection rate of up to 99.9% is made possible. The air circulation rate is 133m³ per hour, the noise level is just 25.1db(A).

UV-C light has a strong virocidal and bacterocidal effect. Health-threatening bacteria, viruses and germs are killed within seconds. The effectiveness has been confirmed by the Karlsruhe Institute of Technology.

Since the radiation is completely shielded by the casing, people can also stay in the direct vicinity of the EY98E309 without any concerns. No by-products that are hazardous to health are formed during operation. The ozone levels are well below the limits and decay automatically. Taste and odor impairments are excluded.

The device should be screwed horizontally to a wall or suspended from the ceiling. The mounting material is included in the scope of delivery. It is also possible to easily set up the EY98E309 using the optionally available feet (article no. AE98E310).

It is important to place the device at the height of the potential aerosol source if possible! The optimal mounting position is therefore at head height, but not higher than 2.10m above the floor, in the center of the room.

For normal room heights (approx. 2.50 ... 2.80m), it is recommended to install one EY98C309 per 50m² of room area. The air is then circulated once per hour. Up to 15 people can be in this room, provided they are not engaged in sports activities. The minimum distances according to the Corona Protection Ordinance must be observed. In the case of sporting activity, the number is reduced to 8 persons.

If several EY98E309s are used in larger rooms, they must be aligned in the same direction.

**Attention**

Only use the device when it is in perfect technical condition and in a safety-conscious and hazard-conscious manner.

**Danger**

The lamp must be replaced after approx. 9,000 operating hours. The housing may only be opened and the lamp replaced by a qualified electrician.

Be sure to disconnect the power plug before opening the housing. Direct UV-C radiation can cause severe damage to the skin and eyes.

At the end of its service life, the product must be disposed of at a suitable disposal point for the recycling of electrical and electronic equipment in accordance with the country-specific regulations.



Please note the enclosed operating and assembly instructions.

Manufacturer: Schmelter LED-Technology GmbH