



MR[®] 5000 Variolight

**UV LED area lamp
for fluorescent Non-Destructive Testing according to EN ISO 3059**



fig. art.no. 5000S2

The UV area lamp MR[®] 5000 Variolight is a UV lamp of next generation specially manufactured according to customer requirements. This means that dimensions, amount of LED tubes and therefore the light distribution are variable.

Advantages of MR[®] 5000 Variolight compared with customary 400W UV lamp:

- **Fulfils the requirements of:**
 - EN ISO 3059:2013-03
 - ASTM E3022*
 - RRES 90061 Rev. 0 (Rolls-Royce)*
- **Energy conservation of 80-85% through modern LED technology**
- **No noise emission through cooling technology without fan**
- **No heat emission**
- **Very homogenous light distribution**
- **Optional motion sensor for efficient operation**
- **Optional dimming for regulation of UVA power**

*Please order art.186-22 L separately



Technical data:

The following are exemplary standard versions for orientation. Please note that MR[®] 5000 will be manufactured individually according to customer requirements. Please feel free to contact us!

| | Version 1 | Version 2 | Version 3 |
|---------------------------------------------------|-------------------------------------|-----------------|-----------------|
| Art. no.: | 5000S1 | 5000S2 | 5000S3 |
| Risk class according to EM06 (DGZfP): | 2 | | |
| Wavelength, nominal max. (Peak): | 365 nm +/- 3 nm | | |
| UVA*: | ca. 45 W/m ² | | |
| UVA source: | 15 UV LEDs | 24 UV LEDs | 32 UV LEDs |
| LED tubes | 3 | 3 | 4 |
| White light portion*: | 5 lx | | |
| Light distribution (UVA > 10 W/m ²)*: | 400 x 440 mm | 740 x 440 mm | 740 x 560 mm |
| Cooling: | Passive cooling by housing | | |
| Working temperature: | 10-45 °C | | |
| Lifetime UV-LED**: | 8.000-10.000 h | | |
| Power supply voltage: | 110-230 V/50Hz | | |
| Reflectors: | 30° | | |
| Dimensions, mm (HxWxD): | 175 x 320 x 210 | 175 x 585 x 210 | 175 x 585 x 290 |
| Weight: | approx. 8,3 kg | approx. 11 kg | approx. 14 kg |
| Control unit: | Internal | | |
| Cable: | 4 m industry cable with safety plug | | |
| Protection housing class acc. to EN60529: | IP54 | | |

* Measuring at a distance of 40 cm to surface. | ** Under laboratory conditions as specified by the manufacturer.

