



UV technology

Product information

MR[®] 97 / MR[®] 97 AN / MR[®] 973 Smart Line



NDT-materials

TO SEE MORE!

UV Smart Line – basic versions

MR[®] 97 Smart Line



- ▶ Mains operation
- ▶ 2 UV-LEDs

MR[®] 97 AN Smart Line



- ▶ Battery/mains operation
- ▶ 2 UV-LEDs

MR[®] 973 Smart Line



- ▶ Mains operation
- ▶ 3 UV-LEDs

Small and handy	LxH 150x180mm, Ø 70mm
Powerful	up to 45-50 W/m ² (factory configuration) (factory upgrade to 80 W/m² possible!)
Robust housing	IP 64 -> dust tight and splash proof
Light weight	from 430 g
No blinding effect	reduced white light emission (diffuse)
Flexibility	through optimal variable power supply (mains operation or battery operation, battery internal/external)
Auto-Switch	Automatic switching from UV to white light





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Optional equipment

Art. no.	Description	Figure
G258-4	Carrying case with suitable hard foam inlay (without contents)	
97-1	MR® AKKU-Pack 12V external battery 600 mA/h with belt clip, incl. Charger	
97-2	Lithium-Ion batteries type 18650 set = 2 pieces	
97-6	Cable power supply 12 V external, made of aluminium, with grip, 3-pole	
97-5	Extension of cable length delivery with 10 m cable instead of 5 m	
186-20 L	UVA-Upgrade calibration to 80 W/m ² with certificate, incl. BGV A3	



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Technical data:

	MR [®] 97	MR [®] 97 AN	MR [®] 973
UV risk class acc. to DGZfP/BGFE EM6	-2-	-2-	-2-
Working temperature	5°C – 40°C	5°C – 40°C	5°C – 40°C
Dimensions	L = 150 mm H = 180 mm Ø = 70 mm	L = 150 mm H = 180 mm Ø = 70 mm	L = 150 mm H = 180 mm Ø = 70 mm
Weight	app. 430 g	app. 550 g	app. 430 g
Wavelength (Peak), nom. max.	2 x high performance UV-LED 365 nm ± 3 nm	2 x high performance UV-LED 365 nm ± 3 nm	3 x high performance UV-LED 365 nm ± 3 nm
Power supply	Power supply 100V-230V AC, 50-60 Hz, 12V DC	Power supply 100V-230V AC, 50-60 Hz, 12V DC	Power supply 100V-230V AC, 50-60 Hz, 12V DC
Lifetime UV-LED	app. 10.000 h	app. 10.000 h	app. 10.000 h
UVB	0 W/m ²	0 W/m ²	0 W/m ²
UVA¹⁾	45-50 W/m ² (±10%) factory configuration ²⁾	45-50 W/m ² (±10%) factory configuration ²⁾	45-50 W/m ² (±10%) factory configuration ²⁾
White light portion	< 5 lx	< 5 lx	< 5 lx
White light LED	1 x high performance LED 9.000 lx	1 x high performance LED 9.000 lx	--
Protection class acc. DIN EN 60529	IP 64	IP 64	IP 64
Cable	industry cable, 5 m	industry cable, 5 m	industry cable, 5 m
Charge time	--	app. 2 h	--
Operating time	--	app. 2,5 h	--

¹⁾ Measured at 40 cm distance

UVA-Upgrade:

If required, UVA power can be upgraded up to 80 W/m² in our service department!!! (This causes deviation from LED-life and battery power.)



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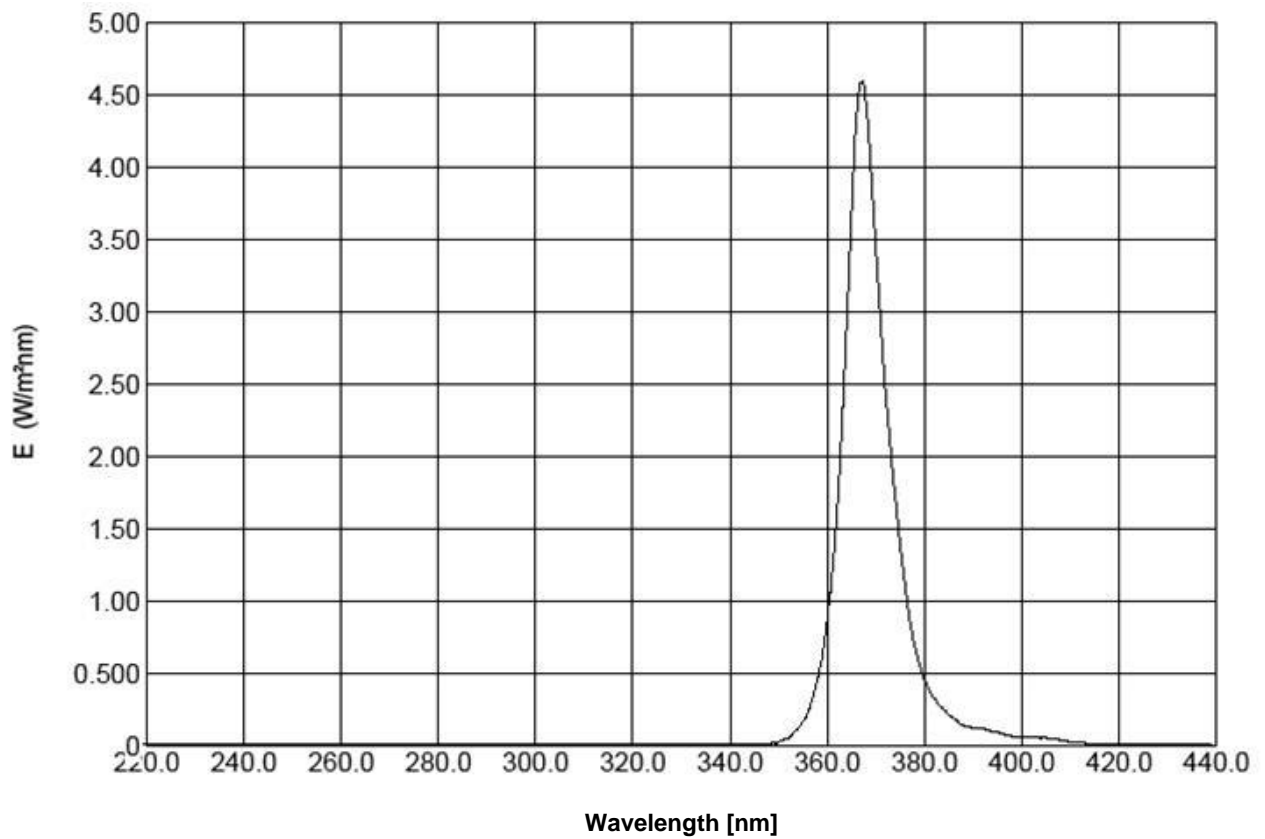
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Spectral distribution (Peak):





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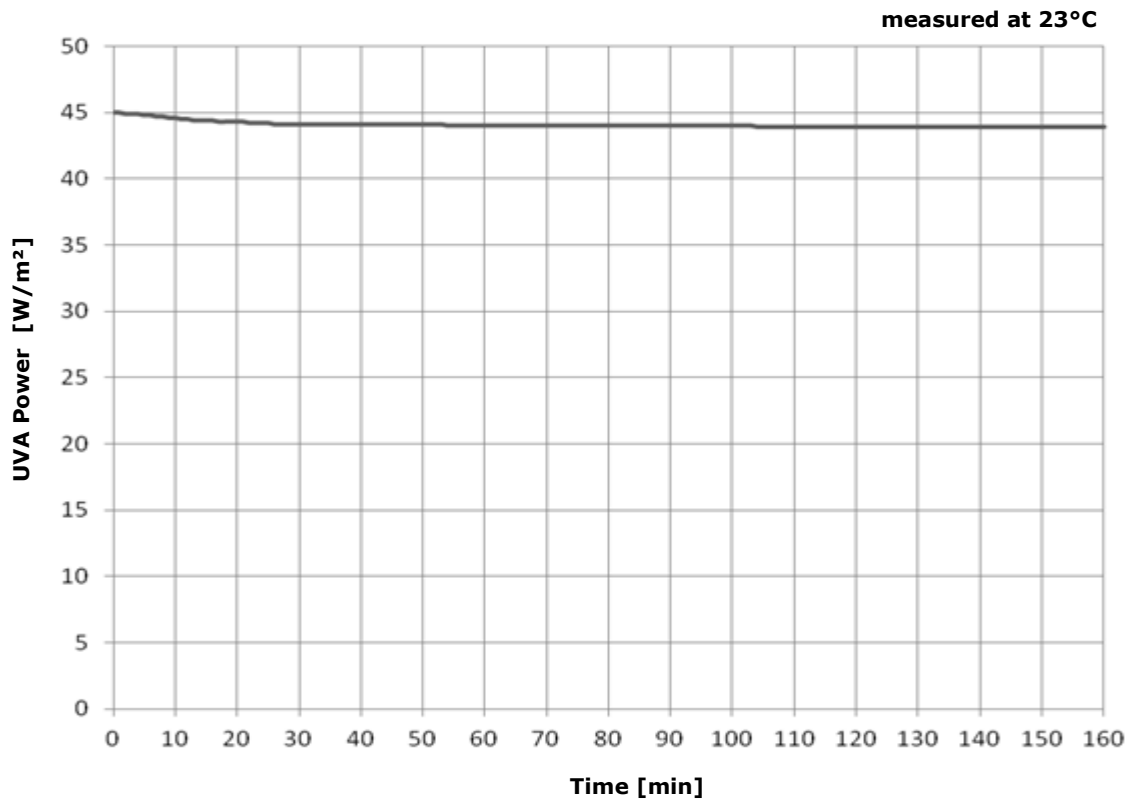
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Time-/Performance Diagram





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Battery Running Time MR[®] 97 AN

