



# UV technology

Product information

MR<sup>®</sup> 970 / MR<sup>®</sup> 974 AN / MR<sup>®</sup> 974 Smart Line



NDT-materials

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## UV-Quattro-Line

MR<sup>®</sup> 970 Basic-Light



- ▶ Mains operation
- ▶ 4 UV-LEDs

MR<sup>®</sup> 974 AN Quattro-Light



- ▶ Battery / Mains operation
- ▶ 4 UV-LEDs
- ▶ 1 White light LED

MR<sup>®</sup> 974 Quattro-Light



- ▶ Mains operation
- ▶ 4 UV-LEDs
- ▶ 1 White light LED

<b>Small and handy</b>	LxH 150x180mm, Ø 70mm
<b>Powerful</b>	ca. 45 W/m <sup>2</sup> (±10%)
<b>UV source</b>	4 x high-performance UV LED, 365 nm
<b>Wide Light distribution</b>	Light cone Ø 20 cm
<b>Robust housing</b>	IP 64 -> dust tight and splash proof
<b>Light weight</b>	from 400g
<b>No blinding effect*</b>	reduced white light emission (diffuse)
<b>Auto-Switch*</b>	Automatic switching from UV to white light

\*does not apply to MR<sup>®</sup> 970

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## Technical Data:

	MR <sup>®</sup> 970	MR <sup>®</sup> 974 AN	MR <sup>®</sup> 974
<b>UVA*:</b>	app. 45 W/m <sup>2</sup> (±10%)		
<b>Light distribution (&gt;10 W/m<sup>2</sup>)*:</b>	Ø 20 cm		
<b>UVB:</b>	0 W/m <sup>2</sup>		
<b>Wight light filter:</b>	yes		
<b>White light portion:</b>	< 5 lx		
<b>Dimensions:</b>	L 150 mm, H 180 mm, Ø 70 mm		
<b>Wavelength, (Peak), nominal max.:</b>	365 nm ± 3 nm		
<b>Weight:</b>	ca. 400 g	ca. 600 g	ca. 400 g
<b>UV source:</b>	4 x UV high-performance LED	4 x UV high-performance LED	4 x UV high-performance LED
<b>Power supply:</b>	<u>power supply operation:</u> power supply 100-230V AC 50-60 Hz, 12V DC	<u>battery operation:</u> 2 x Li-Io battery 3,7 V, ca. 3400 mA/h  <u>power supply operation:</u> power supply 100-230V AC 50-60 Hz, 12V DC	<u>power supply operation:</u> power supply 100-230V AC 50-60 Hz, 12V DC
<b>Lifetime UV-LED**:</b>	approx. 10.000 h		
<b>Orientation light:</b>	--	1 x white light LED	1 x white light LED
<b>UV risk class acc. to DGZfP EM06:</b>	-2-		
<b>Protection class acc. to EN 60529:</b>	IP 64		
<b>Working temperature:</b>	5-40 °C		
<b>Cable:</b>	1,5 m connection cable 2 m extension cable	5 m industry cable	5 m industry cable
<b>Battery charge time:</b>	--	approx. 8 h.	--
<b>Battery operating time:</b>	--	approx. 3 h	--

\* measured at 38 cm distance

\*\* under laboratory conditions specified by manufacturer

### Rolls-Royce / ASTM E3022 specification

Calibration to fulfil Rolls-Royce specification  
RRES 90061 Rev. 0 and also ASTM E3022  
with certificate is possible.

Art. 186-21  
(Please order separately)



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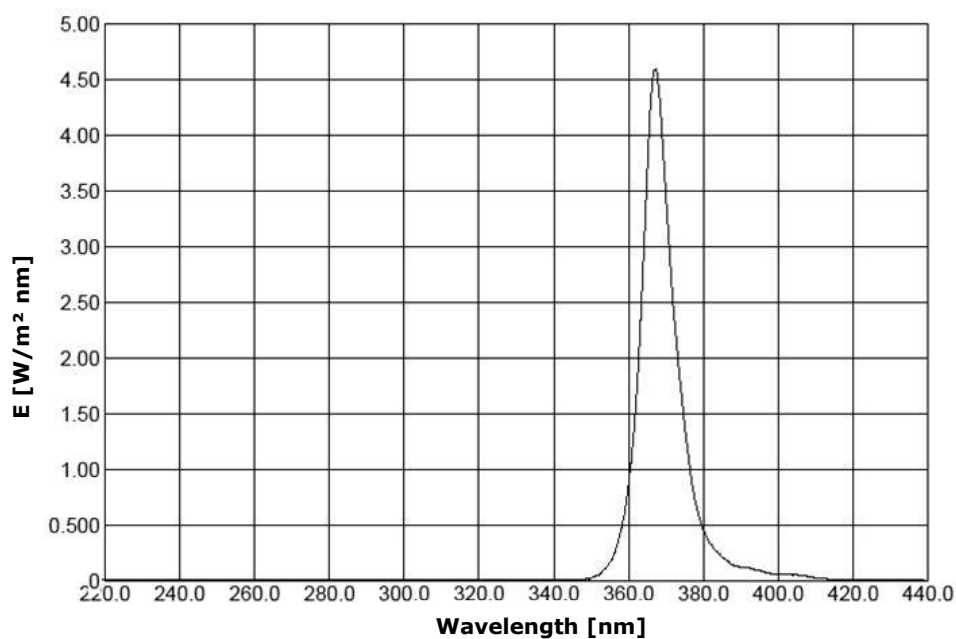
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## Optional equipment

Art. no.	Description	Figure
G258-4	<b>Carrying case</b> with suitable hard foam inlay (without contents)	
97-2	<b>Lithium-Ion batteries</b> type 18650 set = 2 pieces	
97-6	<b>Cable power supply 12 V</b> external, made of aluminium, with grip, 3-pole	
97-5	<b>Extension of cable length</b> delivery with 10 m cable instead of 5 m	

## Spectral distribution (Peak):



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Marker



# UV technology

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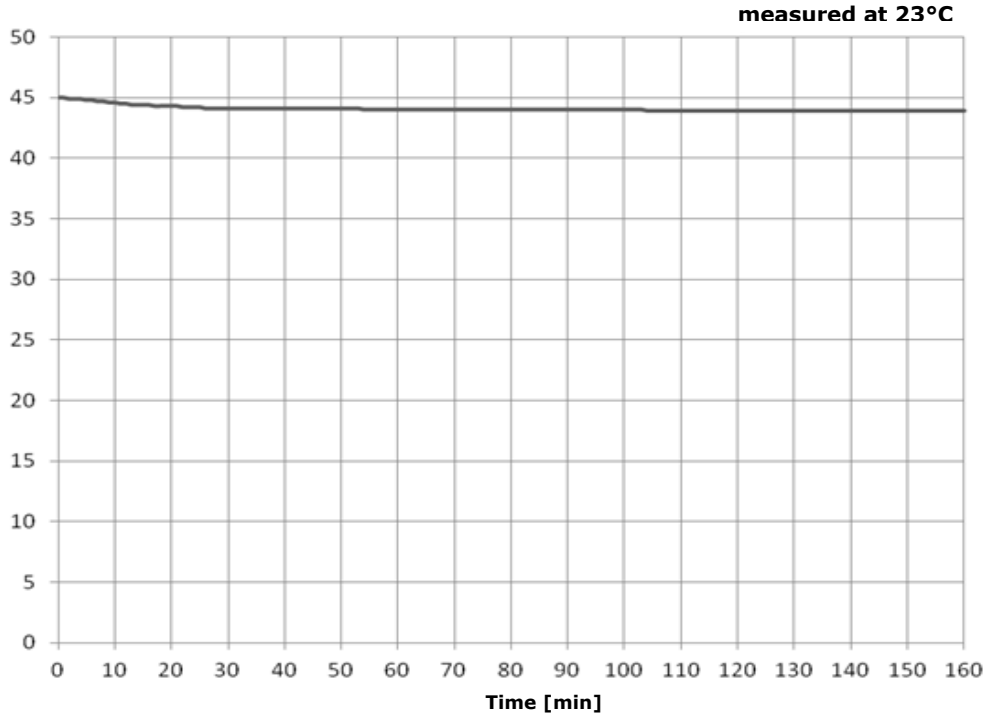
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## Time-/Performance Diagram



## Battery Running Time MR<sup>®</sup> 974 AN

