



NEXT GENERATION

IP64

dust tight &
splashproof



MR® 42

The Powerful -
UVA: 140 W/m²



MR® 431

Budget Version



MR® 98 WAN

The Independent -
power supply / battery

Your partner in NDT! – www.mr-chemie.de

MR[®]
CHEMIE
NDT-materials



UV technology

NEXT GENERATION - IP64

MR® 98 WAN - MR® 42 - MR® 431



NDT-materials



	MR® 98 WAN Brilliant LED <i>- The Independent -</i>	MR® 42 Super LED <i>- The Powerful -</i>	MR® 431 UV Power LED <i>- Budget Version -</i>
Art. No. UV lamp:	98 WAN L	42 L	431 L
Art. No. UV lamp incl. case:	98 WANK	42K	431K
Risk class acc. to DGZfP/BGFE EM6:	2	2/3 (depending on UV step)	2
Working temperature:	10°C - 35 °C	10°C - 35 °C	10°C - 35 °C
Dimensions:	L = 180 mm, Ø = 110 mm	L = 160 mm, Ø = 105 mm	L = 160 mm, Ø = 105 mm
Weight:	app. 900g (without battery)	app. 800g	app. 800g
UV source:	3 x high performance LED	5 x high performance LED	3 x high performance LED
Wavelength, nom. max.:	365 nm ± 3 nm	365 nm ± 3 nm	365 nm ± 3 nm
Power supply:	110V AC-230V AC, 12V DC	110V AC-230V AC, 24 V DC	110V AC-230V AC 24 V DC
Battery:	Lithium Ion battery 7,4 V - 6,6 A/h	--	--
<i>Advice: Battery will not be discharge during power supply operation!</i>	Operating time min.: Step 0: app. 2-2,5 h Step 1: app. 8 h Step 2: app. 4 h		
Service life LEDs at proper handling:	Step 1+2: app. 10.000 h Step 0: app. 5.000 h	Step 1+2: app. 10.000 h Step 0: app. 5.000 h	Step 1+2: app. 10.000 h Step 0: app. 5.000 h
UVB:	0 W/m ²	0 W/m ²	0 W/m ²
UVA (±10%) ^{*)}	Step 1: 25 W/m ² Step 2: 50 W/m ² Step 0: 80 W/m ²	Step 1: 25 W/m ² Step 2: 50 W/m ² Step 0: 140 W/m ²	Step 1: 25 W/m ² Step 2: 50 W/m ² Step 0: 80 W/m ²
White light portion	Step 1: < 5 lx Step 2: < 10 lx Step 0: < 20 lx	Step 1: < 5 lx Step 2: < 20 lx Step 0: < 20 lx	Step 1: < 5 lx Step 2: < 20 lx Step 0: < 20 lx
White light LED ^{*)}	1 x high performance LED 9.000 lx	1 x high performance LED 9.000 lx	--
Housing protection class acc. DIN EN 60529:	IP 64 dust tight splash proof	IP 64 dust tight splash proof	IP 64 dust tight splash proof
Light cone ^{*)}	Ø > 20cm	Ø > 20 cm	Ø > 17 cm
Cable	cable length 5 m with safety plug	cable length 5 m with safety plug	cable length 5 m with safety plug
Delivery contents:	<ul style="list-style-type: none"> ▪ MR® 98 WAN Brilliant LED ▪ Power supply ▪ Connection cable ▪ Battery ▪ Charger for battery ▪ User manual 	<ul style="list-style-type: none"> ▪ MR® 42 Super LED ▪ Power supply ▪ Connection cable ▪ User manual 	<ul style="list-style-type: none"> ▪ MR® 431 UV-Power LED ▪ Power supply ▪ Connection cable ▪ User manual

^{*)} Values measured at 40 cm distance

