



## UV Technology

Product information  
MR<sup>®</sup> 42 Super LED

**MR**<sup>®</sup>  
CHEMIE  
NDT-materials

TO SEE MORE!

### MR<sup>®</sup> 42 Super LED

UV lamp 365 nm, for power supply 230 V  
5 UV-LED's, 1 white light LED, 3-step-switch

- Super strong UVA power by means of 5 high class LED's
- 3 step switch for UVA regulation
- One white light LED for aid for orientation
- Different versions with different reflectors and switches available



#### Protection class IP 64 acc. to DIN EN 60529

No ingress of dust; complete protection against contact (dust tight). Water splashing against the enclosure from any direction shall have no harmful effect.



#### Rolls-Royce / ASTM E3022 specification

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

**Please order the following articles separately:**

Art. 186-25 L    Deactivation of 3-step-switch  
Art. 186-27 L    Calibration

24.04.2017

\*\*Technical changes reserved!\*\*



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Product information  
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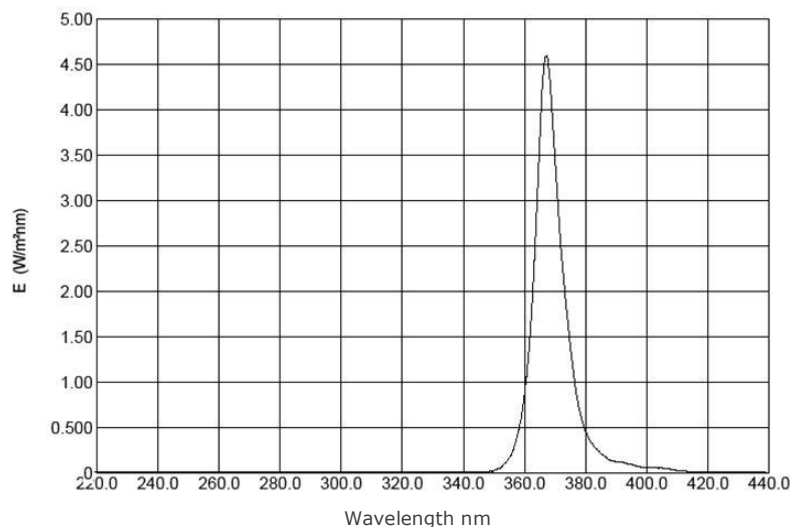
TO SEE MORE!

TECHNICAL DATA		MR <sup>®</sup> 42 with 10° reflector	MR <sup>®</sup> 42 with 30° reflector	MR <sup>®</sup> 42 with 30° reflector -continuous UV-
Order-No.:		42R10	42R30	42R30C
Carrying case:		G258 L		
Wavelength (Peak), nominal max.:		365 nm ± 3 nm		
Light distribution*:		Ø > 24 cm	Ø > 28 cm	Ø > 28 cm
UVA*	Pos. 1:	25 W/m <sup>2</sup> (±10%)	25 W/m <sup>2</sup> (±10%)	25 W/m <sup>2</sup> (±10%)
	Pos. 2:	45 W/m <sup>2</sup> (±10%)	35 W/m <sup>2</sup> (±10%)	35 W/m <sup>2</sup> (±10%)
	Pos. 0:	120 W/m <sup>2</sup> (±10%)	45 W/m <sup>2</sup> (±10%)	45 W/m <sup>2</sup> (±10%)
UVB		0 W/m <sup>2</sup>		
White light portion*:		5 lx		
UV source:		5 x high power LED		
UV-LED risk class acc. to EM06 (DGZfP):	Pos. 1 + 2:	-2-	-2-	-2-
	Pos. 0:	-3-	-2-	-2-
Orientation light:		1 x white light LED		
Dimensions:		L 160 mm, Ø 105 mm		
Weight:		900 g		
Working temperature:		10 – 35 °C		
Power supply:		110V AC - 230V AC, 24V DC		
Lifetime UV-LED**	Pos. 1 + 2:	approx. 10.000 h		
	Pos. 0:	approx. 5.000 h		
Protection class acc. to DIN EN 60529:		IP 64 dust tight & splashproof		
Supply line:		cable lengths 5 m with safety plug		
ON/OFF:		push button for temporary UV light	push button for temporary UV light	switch for permanent UV light

\* Values measured at 40 cm distance

\*\* Under laboratory conditions specified by the manufacture. The LED lifetime for lamp type „Continuous UV“ might be reduced.

## Spectral distribution (Peak)



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CRACK

Marker