



Segment Ring Light

RL1-S40

**MADE
IN
GERMANY**

- Homogeneous illumination in the entire working range
- Perfect incident light for applications with cameras and lenses in machine vision
- Flicker-free lighting for photographs and video
- Brightness adjustable from 0 to 100%
- Four switchable segments with variable rotation speed
- Various light colors and color temperatures available
- Variable clamping diameter, adaptable with reducing rings
- Compact and stable aluminium housing



Technical Data

Number of LEDs	16
LED life span	50.000 h (L70, according to manufacturer)
Brightness control	continuous adjusting 0 - 100% (4 segments with different rotation modes)
Power consumption	approx. 4 W
Input power supply	100 - 240 V AC, 50/60 Hz
Output power supply	24 V DC, 1 A
Height	25 mm
Outer diameter	44 mm
Inner diameter	20 mm (RL1-10), 24 mm (RL1-40)
Clamping diameter	max. 26 mm
Inner thread	M21 × 0,75 (RL1-10), M25 × 0,75 (RL1-40)
Length supply line	0,85 m
Length power cord	1,40 m
Material	anodized aluminium
Color	titanium
Weight	approx. 60 g
Dimensions control unit (l × w × h)	135 mm × 70 mm × 44 mm

Versions

100-011949	RL1-10-S40 PW	pure white (6.500 K), working distance 5 mm - 25 mm (optimal 10 mm)
100-011948	RL1-10-S40 NW	natural white (5.600 K), working distance 5 mm - 25 mm (optimal 10 mm)
100-011947	RL1-10-S40 WW	warm white (3.500 K), working distance 5 mm - 25 mm (optimal 10 mm)
100-011946	RL1-10-S40 R	red (620 nm), working distance 5 mm - 25 mm (optimal 10 mm)
100-011945	RL1-10-S40 G	green (540 nm), working distance 5 mm - 25 mm (optimal 10 mm)
100-011944	RL1-10-S40 B	blue (470 nm), working distance 5 mm - 25 mm (optimal 10 mm)
100-011943	RL1-10-S40 A	amber (590 nm), working distance 5 mm - 25 mm (optimal 10 mm)
100-011956	RL1-40-S40 PW	pure white (6.500 K), working distance 18 mm - 150 mm (optimal 40 mm)
100-011955	RL1-40-S40 NW	natural white (5.600 K), working distance 18 mm - 150 mm (optimal 40 mm)
100-011954	RL1-40-S40 WW	warm white (3.500 K), working distance 18 mm - 150 mm (optimal 40 mm)
100-011953	RL1-40-S40 R	red (620 nm), working distance 18 mm - 150 mm (optimal 40 mm)
100-011952	RL1-40-S40 G	green (540 nm), working distance 18 mm - 150 mm (optimal 40 mm)
100-011951	RL1-40-S40 B	blue (470 nm), working distance 18 mm - 150 mm (optimal 40 mm)
100-011950	RL1-40-S40 A	amber (590 nm), working distance 18 mm - 150 mm (optimal 40 mm)

Accessories

100-012024	Diffuser Disc	for RL1-10 Series
100-012025	Diffuser Disc	for RL1-40 Series
100-009242	Reducing ring	26 mm → 12 mm
100-010710	Reducing ring	26 mm → 14 mm
100-010709	Reducing ring	26 mm → 16 mm
100-010708	Reducing ring	26 mm → 18 mm
100-009241	Reducing ring	26 mm → 20 mm
100-010707	Reducing ring	26 mm → 22 mm
100-010706	Reducing ring	26 mm → 24 mm