

RING LIGHTS

Implementation of ring lights is very simple – the camera lens passes through the center of the light.



- COMPACT DESIGN
- HOMOGENOUS LIGHT FIELD
- UNIVERSAL MOUNTING
- ROUGH, METAL HOUSING

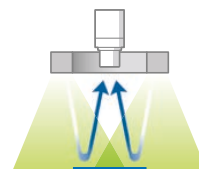
CONFIGURATION

Ordering Code

RL	100	R
Ring light	Ø of Active Area	wavelength

model series	active illumination area	wavelength	LED radiation angle
RL-100W	96 × 50 mm	 white	120°
RL-100B	96 × 50 mm	 470 nm	120°
RL-100G	96 × 50 mm	 525 nm	120°
RL-100R	96 × 50 mm	 633 nm	60°
RL-100IR	96 × 50 mm	 850 nm	50°

WAYS OF USE

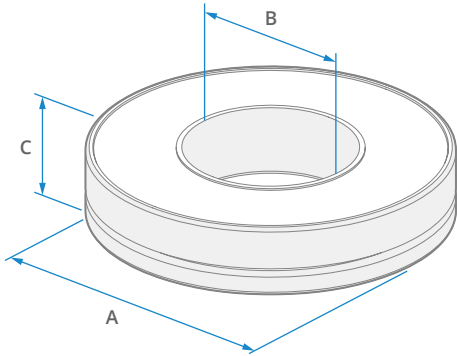


BASIC ELECTRIC PARAMETERS

model		RL-100W120	RL-100B120	RL-100G120	RL-100R60	RL-100IR50
Voltage Span	U_n	22-28 V	20-28 V	22-28 V	22-28 V	21-28V
Nominal Voltage	U_{jm}	24 V	24 V	24 V	24 V	24 V
Nominal Current	I_{jm}	240 mA	240 mA	240 mA	240 mA	270 mA
Max. Current	I_{max}	240 mA	240 mA	240 mA	240 mA	270 mA
Trigger Voltage	U_{trig}	12-28 V	12-28 V	12-28 V	12-28 V	12-28 V
Trigger Current	I_{trig}	3,5 mA	3,5 mA	3,5 mA	4,5 mA	3,5 mA
Input	P	5,8 W	5,8 W	5,8 W	5,8 W	6,5 W

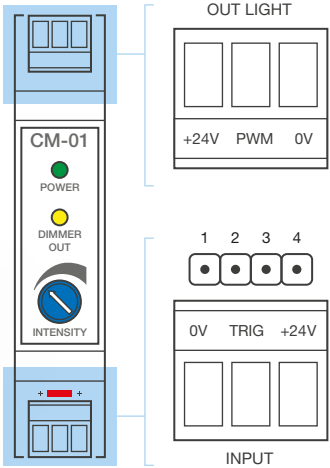
DIMENSIONS AND WEIGHT

Model	A outer Ø (mm)	B inner Ø (mm)	C height (mm)	Active lighting area	Weight
RL-100...	100	48	20	Ø 96 × 50 mm	189 g



CONTROLLER CM-01

Universal illumination intensity controller
Trigger signal input

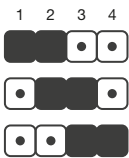


TERMINAL BOX OUTPUT "OUT LIGHT" – LIGHT CONNECTION

- Terminal +24 V** light positive pole
Terminal PWM PWM signal
Terminal 0 V light negative pole

TERMINAL BOX INPUT "INPUT" – POWER SUPPLY AND CONTROL SIGNAL CONNECTION

- Terminal +24 V** positive pole of 24 V DC Power Supply
Terminal 0 V negative pole of 24 V DC Power Supply
Terminal TRIG trigger signal from camera, PLC, etc.



CM-01 MODE OPTION

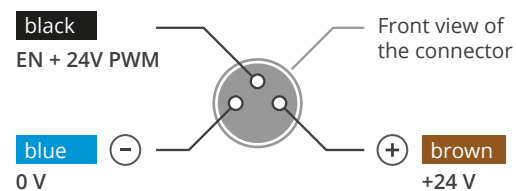
- 1 – 2** Enable – constant light
2 – 3 Not used
1 – 2 Invert trig – light during log 0 signal

OVERALL BASIC INFORMATION

Technical data

IP category	IP50
Protection Category	III
Ambient temperature	-20 – +40 °C
Isolation resistance	500 V
Housing material	Duralumin

CONNECTOR PIN ASSIGNMENT



ACCESSORIES INCLUDED

Transparent diffuser, diffuser with the opacity of 68 %, 5 m straight cable

OPTIONAL ACCESSORIES

Diffusers with the opacity of 38 % and 50 %, polarized diffuser, 5 m angular cable

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