

RING LIGHT

WITH OPTICS

RL-100-II

Direct, homogeneous illumination for most of the surfaces.

OPTIONAL LED OPTICS

HOMOGENEOUS LIGHT FIELD

COMPACT DESIGN

INTEGRATED TRIMMER



LIGHT OPERATING MODES

PERMANENT ILLUMINATION MODE

This light is designed for both the permanent and light-triggering mode. For permanent illumination bring the voltage of 10-24 V to the pin number 4 (black wire). The light is ON during the time when the 24 V EN signal is activated. Use a PCL, camera or another binary signal source. For the light intensity control, please see the text bellow.

LIGHT TRIGGERING MODE

Light triggering mode saves energy and extends the lifetime of the light. Trigger operation mode is recommended when a parallel operation of 2 or more lights might affect the quality of the acquired image. To start using a triggering mode, bring the pin number 4 (black wire) to a 10-24 V signal. The light is ON when a voltage signal is present at pin number 4 then. Use a PCL, camera, or another binary signal source for triggering. For the light intensity control, please see the text bellow.

LIGHT SOURCE INTENZITY REGULATION

The light intensity might be regulated by an internal trimmer, analogue voltage, PWM signal or an external controller. In case of using an analogue signal, the light intensity might be regulated in a linear way at a pin number 2 by the voltage span of 2.7 -10 V. Bringing a voltage of 10-24 V to the pin number 2, the light works at its maximum intensity. The maximum PWM frequency is ≤ 40 kHz.

WAYS OF USE & LIGHT RADIATION ANGLES

















ORDERING CODE

Example of the ordering code



CONFIGURATION

Model	Wavelength [nm]	LED Beam Angle [°]
RL-100W-II	CRI 5700 K	30 60 90 120
RL-100IR-II	850	30 60 90 120
RL-100R-II	625	30 60 90 120
RL-100G-II	528	30 60 90 120
RL-100B-II	470	30 60 90 120

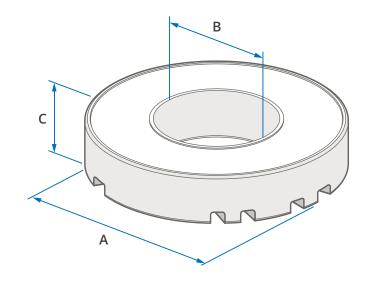
ELECTRIC PARAMETERS



DIMENSIONS & WEIGHT







TECHNICAL DATA

CONNECTOR M8-4PIN ASSIGNMENT

light connector front view



1	Brown	+	+24 V
2	White		EN
3	Blue	9	0 V
4	Black	0	EN

2

ENABLE

Light intensity regulation: analogue signal 2.7-10 V or PWM \leq 40 kHz



ENABLE - permanent illumination or trigger signal (+24 V)

Light intensity regulation by an internal trimmer*

ACCESSORIES

✓ Straight Cable M8-4PIN **(5 m)**

Diffusion glass of 67-68% and 48-50% transparency

OPTIONAL ACCESSORIES

- + Angular Cable M8-4PIN (5 m)
- + Diffusion glass of **36-38% transparency** + Polarizing Foil

INTEGRATED TRIMMER





YOUR VISION PARTNER





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