LuxiRing

WORK FASTER

USER MANUAL

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PREAMBLE

LuxiRing WHITE 5400°K

This manual contains safety instructions and instructions for installing, connecting and using the LuxiRing. It is essential to follow these instructions to ensure optimal and safe use. Any improper use may invalidate the product warranty.

UNPACKING

The product is packaged with care. In the event of visible damage on receipt, it is essential to report this to the carrier on the delivery note, and then to your supplier within 24 hours. Open the packaging without using a blade to avoid any damage to the product.

RISK CLASS

LuxiRing uses LuxiBright technology which may present photobiological risks. To ensure safety, wear suitable safety goggles. See classification table below:

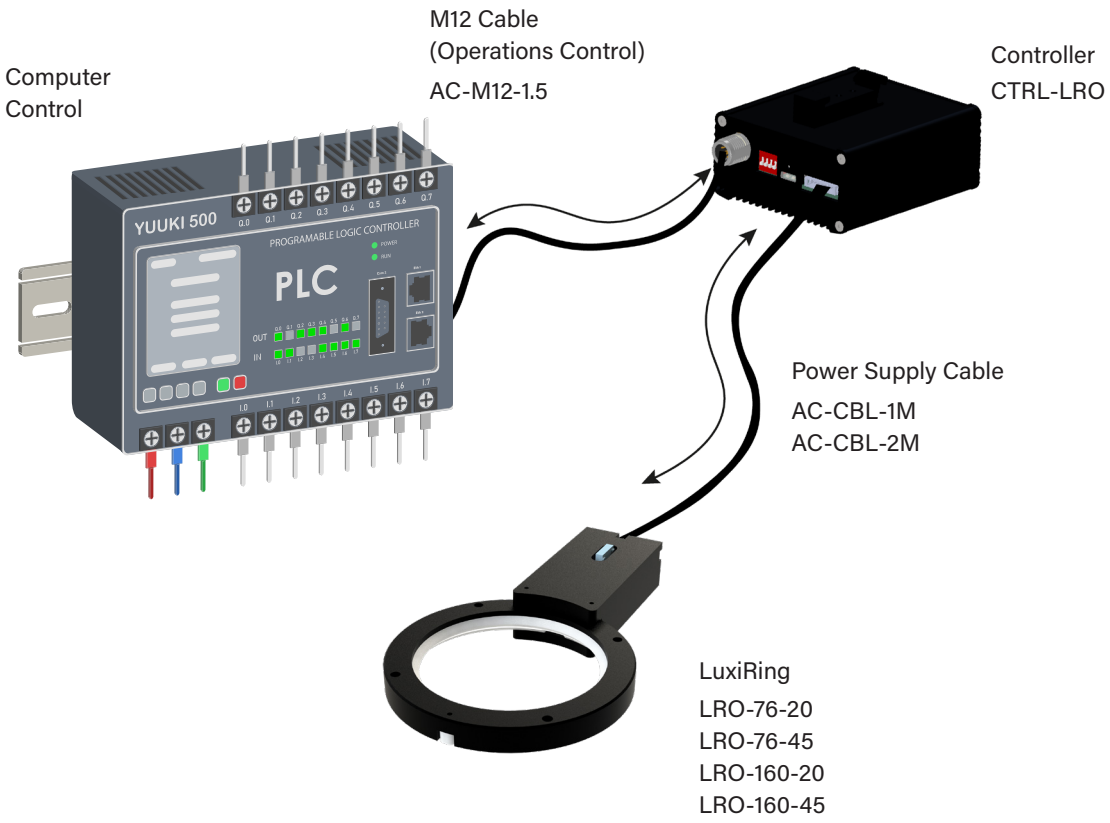
Colour	Risk Class
White / Red / Green	0 (No Risk)
Blue / IR	1 (Low Risk)
UV	3 (High Risk)

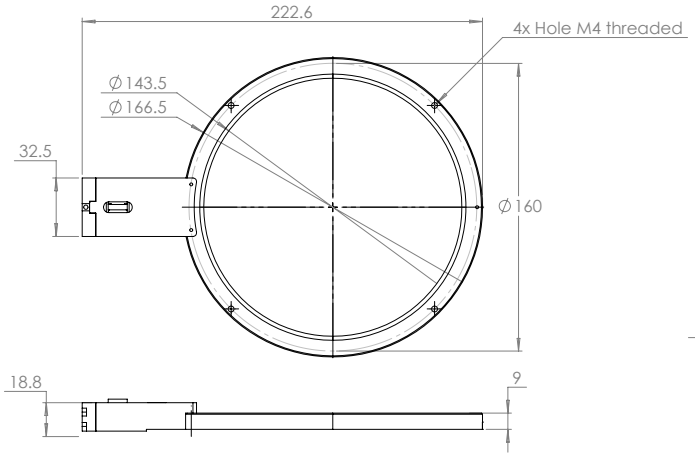
ORDER INFORMATION

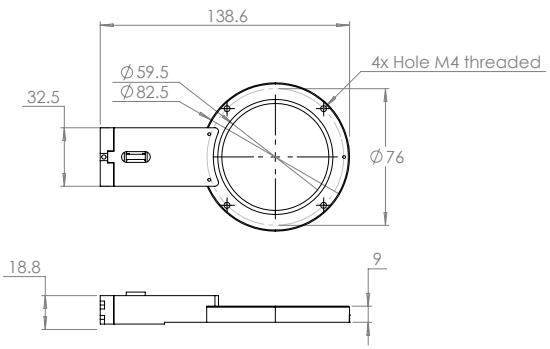
LuxiRing	Diameter	Angle	M12 Cable	Power Supply Cable	Controller
LRO	76 ⌀ 160 ⌀	20° 45°	AC-M12-1.5	AC-CBL-1M AC-CBL-2M	CTRL-LRO

DIMENSIONS & FIXING

Standard dimensions are available. LuxiRing is fitted with M4 captive nuts for mounting. Use M4 screws (not supplied), with a tightening torque of 0.5 to 1.5 Nm.







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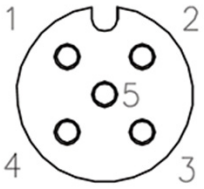
CONNECTION & WIRING

The LuxiRing controller is connected via a 5-pin M12 connector. Observe polarity:



1	BN		24 VDC
2	WH		n.d.
3	BU		GND
4	BK		Trigger en 12-26 VDC
5	GY		n.d.

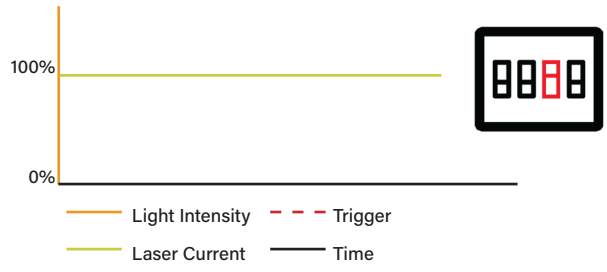
Ref : AC-M12-1.5

OPERATING MODES (via DIP SWITCH)

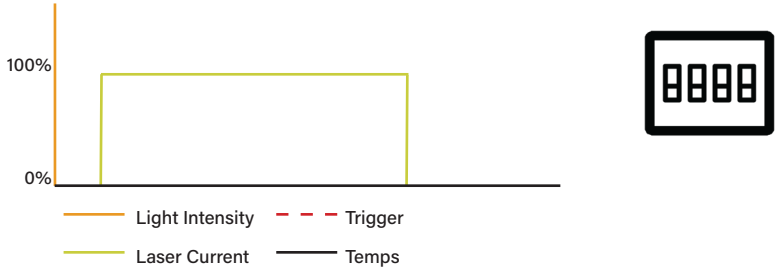
LuxiRing uses LuxiBright technology which may present photobiological risks. To ensure safety, wear suitable safety goggles. See classification table below:

Mode	Configuration	Description
0	SW3 ON	Continuous 100% without triggering
1	ALL OFF	Continuous nominal or via high/low trigger
2	SW1 ON	Rising edge detection + Overdrive
3	SW2 ON	Pulse tracking + Overdrive

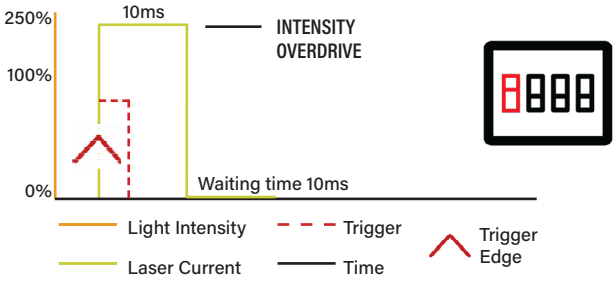
0. Continuous 100% without triggering



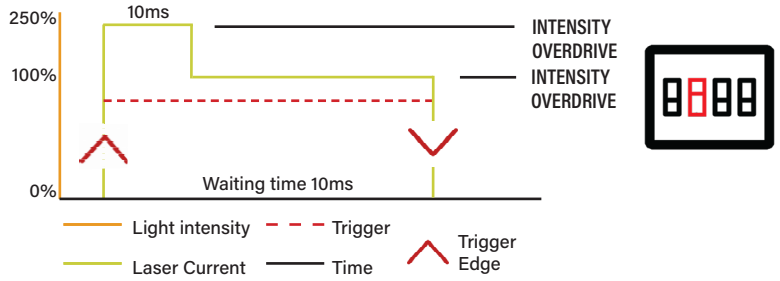
1. Continuous nominal or via high/low trigger



2. Rising edge detection + Overdrive



3. Pulse tracking + Overdrive

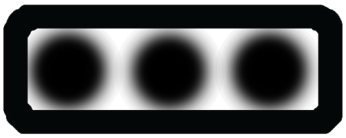


* The operating cycle can have an impact on the temperature of the lighting system. A built-in temperature control system constantly monitors the system, and if the preset temperature limit is exceeded, the lighting automatically shuts down to prevent overheating. In order to reboot the system, the power of the M12 Cable needs to be reset.

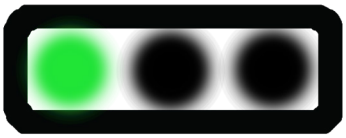
LED INDICATORS

- **Mode 1 :** Ready without light (green LED)
- **All Modes :** Flashing red LED = error
- **Mode 2 & 3 :** Constant green LED, blue LED on trigger detection

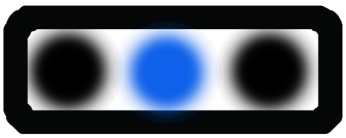
Mode 1



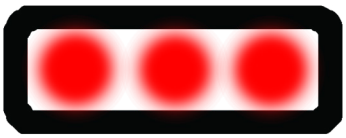
Mode 2



Mode 3



All Modes



POWER SUPPLY

- **Operating voltage :** 24V (+/- 10%)
- **Max voltage :** 26V
- **Min voltage :** 12V
- **Input voltage :** 24V
- **Trigger input :** 12-26 VDC, PNP
- **IP Rating :** IP30

OPERATING CONDITIONS

- **Temperature :** -10°C to +40°C
- **Humidity :** max 80%, non-condensing
- Do not use outdoors
- Do not dismantle or modify the product
- Never look directly at the light source

MAINTENANCE

- Cleaning only at standstill
- Use a soft, dry cloth
- Do not use solvents or abrasive products

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