

Multispectral RGBW Ring Special Light

LS-ML-140-RGBW series · Special lights · 1 model



Multispectral RGBW Ring Special Light. Shadowless multi-spectral ring light with red, green, blue and white bands, each spread evenly over 8 zones with independent control of every band in every zone, for colour recognition and surface 3D information extraction. Built-in controller, DC 12 V input and RS232 interface. Coding: LS-ML-<OD size>-<colour>, e.g. LS-ML-140-RGBW.

Features

- Includes four wavelength bands: red, green, blue and white
- Each wavelength band is evenly distributed across 8 zones, with independent control for each band in every zone
- Suitable for complex applications such as colour recognition and surface 3D information extraction
- Built-in controller
- DC 12V input, commonly used power supply
- RS232 interface, easy to use
- Shadowless ring light, highly adaptable for various scenes
- R/G/B/W with independently adjustable 256 levels of brightness
- Zones with independently adjustable 256 levels of brightness
- Multiple triggering modes available

Applications

- Food/drug quality inspection
- Packaging colour inspection
- Character detection on reflective/transparent packs
- Fingerprint scanning
- Defect inspection for shiny/textured/irregular items

Common specifications

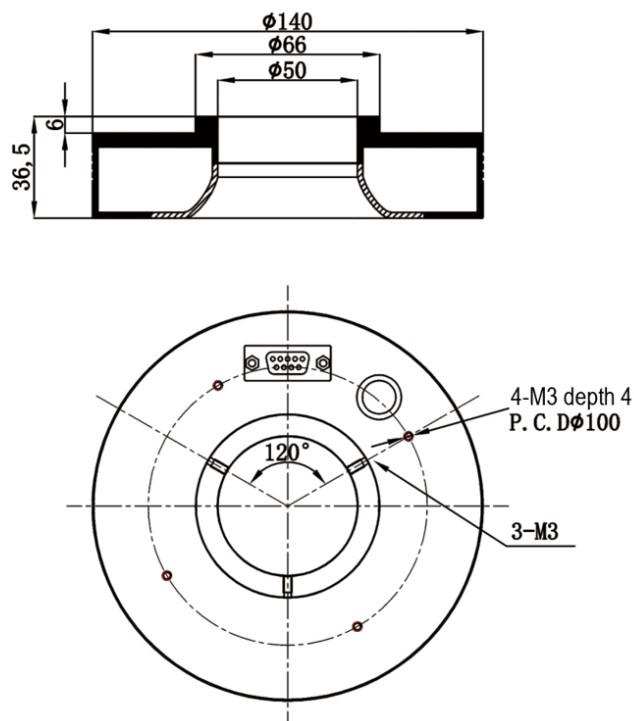
Drive mode	32-Channel PWM
Dimming method	RS232 Command 256-Level
PWM frequency	62.5KHz
Short-circuit protection	Inverted Output
Input voltage (rated)	DC 12V 4A
Output voltage (rated)	12V 1A single color / max 3.8A RGBW
Trigger (rated)	DC 5-24V >5mA
Standard packaging	1pcs Ligh trigger cable
Optional accessories	RS-232 Communication Cable (3 meters)
Communication interface	RS-232
Operating mode	Half-Duplex
Communication rate	115200bps
Transmission format - start bit	1
Transmission format - data bits	8
Transmission format - parity bit	0
Transmission format - stop bit	1
Colours	Red, Green, Blue, White
Interface	RS-232
Illuminance (ML-140-RGBW, read from curve)	approx. 8,000 lx at 40 mm falling to approx. 3,000 lx at 160 mm working distance

Models

Model

LS-ML-140-RGBW
colours: Red, Green, Blue,
White

Dimensions



LS-ML-140-RGBW

Performance

