

# RYCV-200

## PRODUCT SPECIFICATION SHEET



### SPECIFICATIONS

<b>Optical output power and wavelengths:</b>	50 mW / (405 ±5) nm 50 mW / (488 ±5) nm 50 mW / (561 ±5) nm 50 mW / (637 ±5) nm
<b>Light source</b>	Diode (405/488/637 nm) OPSL (561 nm)
<b>Laser class according to IEC 60825-1 standard</b>	3B
<b>Beam diameter (95% of power, horizontal*vertical)</b>	3.5 mm
<b>Beam divergence (half angle, horizontal/vertical)</b>	0.2 mrad
<b>Polarization ratio</b>	> 100:1
<b>M<sup>2</sup> (horizontal/vertical)</b>	<1.3
<b>Mode structure</b>	TEM00
<b>Modulation input (individual for each color)</b>	
<b>    Analog input:</b>	SMA or 6-pole terminal, 0 - 5 V, CW to 50 kHz
<b>    TTL input:</b>	SMA or 6-pole terminal, CW to 50 kHz
<b>    Computer control:</b>	USB
<b>    Manual:</b>	Four potentiometers
<b>Impulse rise time</b>	< 5 μs @ 405/488/637 nm < 18 μs @ 561 nm
<b>Interlock</b>	Yes

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<b>Shutter</b>	Yes, electro-mechanical
<b>Power consumption</b>	< 95 W
<b>Input voltage</b>	24 V
<b>Dimensions laser head (LxWxH):</b>	204x114x82 mm (excl. connectors)
<b>Control box dimensions (LxWxH)</b>	169x169x36 mm (excl. connectors)
<b>Operating temperature</b>	10 - 35 °C
<b>Storage temperature</b>	5 - 50 °C
<b>Heat dissipation</b>	< 70 W
<b>ESD protection</b>	STN EN 61326-1