

## Specifications

Specifications for laser model numbers **IF-RL05-635<sup>1</sup>**, **IF-RL08-635<sup>1</sup>**, **IF-RL30-635<sup>1</sup>**, and **IF-RL30-670<sup>1</sup>** are shown in Table 2.

**Table 2. Laser Specifications.**

Parameter	Value	Units
<b>Operating</b>		
Input voltage	10 to 15	volts
Input current	60 to 125	milliamperes
Temperature	0 to 40	° C
<b>Optical</b>		
Polarization	Linear	
Wavelength	630 - 675 <sup>1</sup>	nm <sup>1</sup>
Output power	See label <sup>2</sup>	mW
Beam diameter	3.2	mm
Beam divergence, max	2	milliradians
<b>Electrical</b>		
Analog modulation <sup>3</sup>	10 to 500	kHz
Digital modulation <sup>3</sup>	0 to 500	kHz
<b>Storage</b>		
Dimensions	5.6 × 7.5 × 22	cm
Weight	400	grams
Temperature	-20 to 50	° C

1 The lasing wavelength, in nanometers, is the last three numbers in the part number located on the underside of the laser chassis.

2 Label is located on the bottom side of the laser.

3 Refer to the section on electrical controls in this manual for more information.

## Models and Laser Classifications

**Table 3. CDRH Classifications for laser models.**

Laser Model	Classification	Typical power levels
IF-RL05-635	CLASS II	.4 to .6 mW
IF-RL08-635	CLASS II	.75 to .90 mW
IF-RL30-635	CLASS IIIa	2.8 to 3.2 mW
IF-RL30-670	CLASS IIIa	2.8 to 3.2 mW