

Iradian® Z30 and Z40 Watt

Model 163 and 164



Specifications

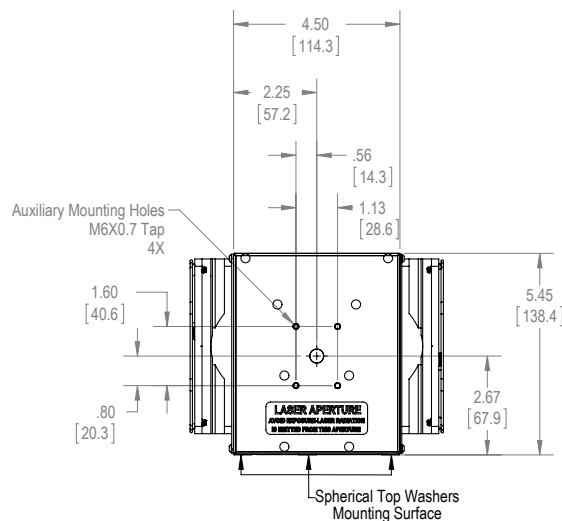
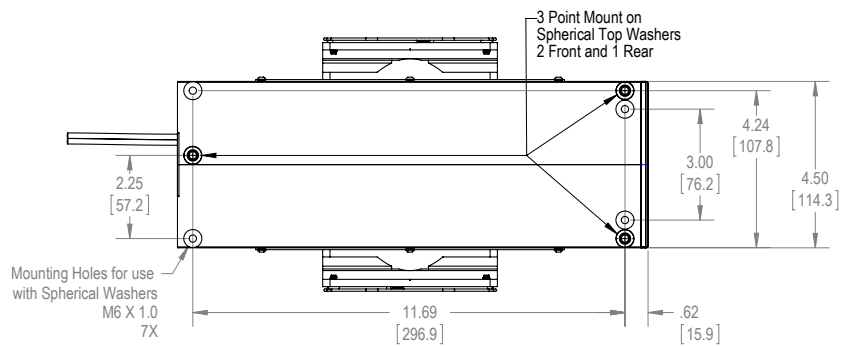
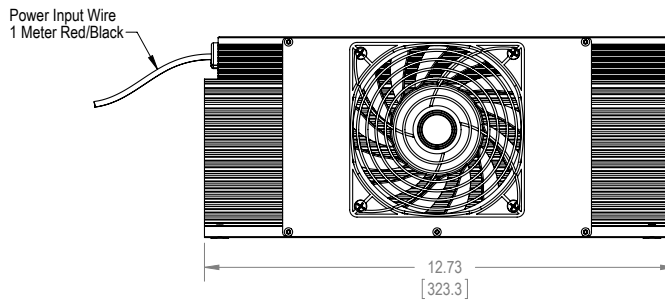
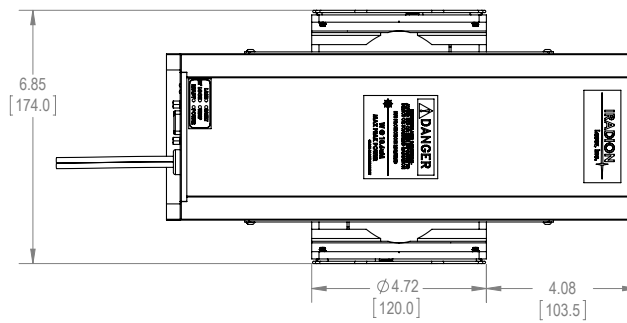
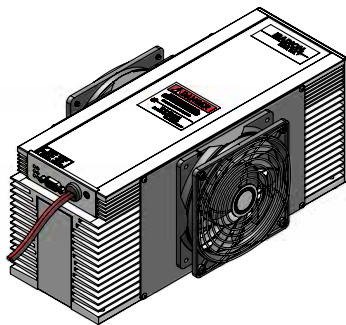
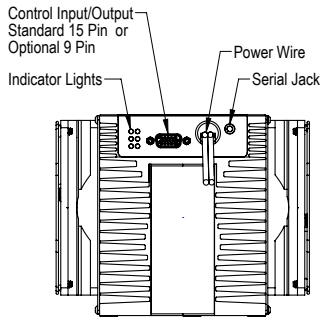
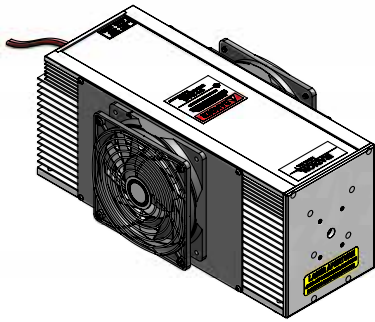
Model	Model 163	Model 164
Rated Optical Power	30	40
Mode Quality (M2)	≤ 1.2	≤ 1.2
Beam Ellipticity	$< 1.2:1$	$< 1.2:1$
Beam Diameter (mm) $1/e^2$	2.3 ± 0.3	2.3 ± 0.3
Beam Divergence (mR, full angle)	< 7.0 m Rad	< 7.0 m Rad
Wavelength (μM)	10.57-10.63	10.57-10.63
Rise Time (μS)	< 75	< 75
Power Stability from cold (%)	+/-5 % from cold, guaranteed +/-3 % after 2 mins typical	+/-5 % from cold, guaranteed +/-3 % after 2 mins typical
Polarization	Random	Random
Cooling	Air	Air
Flow Rate (air)	140CFM x2	140CFM x2
Input power (Watts)	480 W	600 W
Input Voltage / Current	48V / 10A	40V / 15A
Weight (Kg / Lbs.)	9.5 / 21	9.5 / 21

Specifications are preliminary and subject to change without notice.

www.iradionlaser.com

IRADiON
Ceramic Core CO₂ Lasers

Dimensions



Iradion Laser, Inc.
51 Industrial Drive
N. Smithfield, RI 02896

Tel: +1-401-762-5100

Fax: +1-401-762-5111

www.iradionlaser.com

IRADION
Ceramic Core CO₂ Lasers



Invisible Laser Radiation
 Avoid eye skin exposure to direct
 or scattered radiation.
 Class 4 Laser Product

RoHS