

# LumIR 2800 Series

Parameter	Specification
<b>Optical</b>	
Output power	1, 5, or 10 W
Central emission wavelength	2.825 $\mu\text{m}$ (nominal) (other wavelengths between 2.79 $\mu\text{m}$ and 2.94 $\mu\text{m}$ also available)
Linewidth	<1 nm
Polarization	Random
Mode of operation	CW or QCW (up to 100 Hz)
Output beam quality ( $M^2$ )	<1.3
Output beam delivery	Single mode delivery fiber, diverging output (collimated beam optional)
<b>Electrical</b>	
Operating current	0.9 - 13 A
Operating voltage	>14 V
Power consumption	<200 W
<b>Mechanical and environmental</b>	
Delivery cable length	1.5 m (other lengths available on request)
Module dimensions (L x H x W)	9.3" X 9.3" X 2.6" (23.6 cm X 23.6 cm X 6.6 cm)
Estimated weight	10 lbs (4.5 kg)
Cooling interface	Conduction base plate with water cooling option
Operating temperature and humidity	15 to 30 $^{\circ}\text{C}$ , 5 to 85% RH (non condensing)



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