

300W 880nm Unmounted Laser Bar

Features:

It offers 75% fill factor, producing up to 300W QCW laser output power at 880 nm wavelength.
Number of Emitter 60 ; Emitter width 120um ; Emitter pitch 160um
Set the standard for high reliability in field applications

Applications:

- Laser Pumping
- Medical
- Materials Processing
- Illumination



Data Sheet

Item No: LC880SB300

Item Name:300W 880nm Unmounted Laser Bar

Optical	Typ
Central Wavelength	880nm
Output Power	300W
Working Mode	QCW
Spectrum Width	4nm
Number of Emitter	60
Emitter Width	120μm
Emitter Pitch	160μm
Filling Factor	75%
Bar Width	10000μm
Cavity Length	1500μm
Thickness	130μm
Fast Axis Divergence(FWHM)	39Deg
Slow Axis Divergence(FWHM)	12Deg
Polarization Mode	TE
Slope Efficiency	1.2W/A

Electrical

Operating Current Iop	280A
Threshold Current Ith	30A
Operating Voltage Vop	1.9V
Conversion Efficiency	55%

Thermal

Operating Temperature	25°C
Wavelength Temperature Coefficient	0.3nm/°C
PIV Chart	

QCW300W LIV Curve

