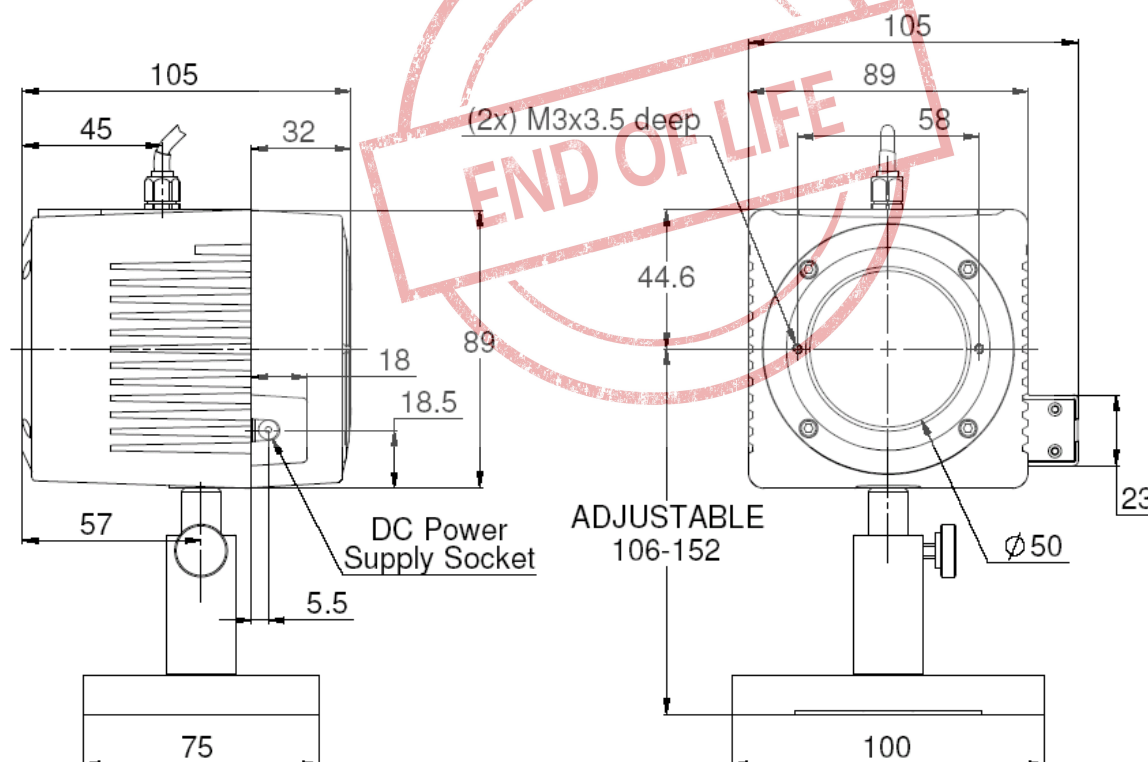# FL250A-LP1

CW & Pulsed Measurements 200mW – 250W 50mJ - 300J

Recommended Use: High power and energy density – not for CO2
Special Features: Fan cooled, large aperture

Absorber:	LP1: 0.25 – 2.2μm
Aperture:	ϕ50mm
Digital Power Scales:	250W / 30W
Maximum Average Power Density:	15KW/cm²
Power Noise Level:	10mW
Power Accuracy:	± 3% [a]
Maximum Energy Density J/cm²:	LP1
<100ns	0.05
1μs	0.3
0.5ms	20
2ms	50
10ms	250
Response Time with Display (0-95%):	2.5s
Linearity with Power:	± 1%
Energy Scales:	300J/30J/3J
Energy Threshold:	50mJ
Cooling:	Fan

Note a: LP1 heads have relatively large spectral variation in absorption and have a calibrated
spectral curve at all wavelengths in their spectral range. When used with Nova II (software v
1.59 and above) or USBI (v1.17 or above) supporting this feature, accuracy is ±3% for any
wavelength from 250 to 2200nm. When used with other displays, accuracy will be ±3% for
wavelengths 532nm, 755nm, 1064nm and 2100nm and ±6% for other wavelengths in the
spectral range 400 – 1100nm

Ordering information

Item	Description	Ophir P/N
FL250A-LP1-SH-V2	Same as above with high damage threshold LP1 coating – not for CO2	7Z02676S (RoHS)

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