

Diode-pumped solid state lasers

**BremLas
Series GLd**

low cost green light

**Compact size
and best
beam characteristics
at 532 nm**



Alignment

Pointing

Spectroscopy

Particle Scattering

Light Shows

The diode-pumped solid state lasers of the series GLd convince of its optical properties. A superior resonator design yields divergence of only 1.2 mrad and an excellent TEM₀₀ beam profile.

The output wavelength of 532 nm (Green Light) offers new possibilities for:
High visibility, eye-safe operation at low powers to applications requiring output powers around 20 mW.

BremLas

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Diode-pumped solid state lasers

SERIES GLd	SPECIFICATIONS	
	Series GLdP	Series GLdT
wavelength	532 nm	532 nm
line width	≤ 150 GHz	≤ 150 GHz
output power	0.1-10 mW **	1 - 20 mW **
dimensions of laser head (H x W x L) without connector	Ø 20 x 79 mm (Ø 20 x 65 mm without shutter)****	26 x 40 x 62 mm (26 x 40 x 60 mm without shutter)
output power stability **	≤ ± 30 % (4 h)	≤ ± 10 % (4 h)
transverse mode, M ²	≤ 1.4	≤ 1.4
beam divergence (full angle)	≤ 1.2 mrad	≤ 1.2 mrad
life expectancy	> 4,000 h *	> 4,000 h *
operating temperature	20 ... 26 °C	10 ... 40 °C
cooling	air convection	thermo electric
operating voltage	10 ...18 VDC *** (optional 240 VAC)	10 ... 18 VDC
	* optional 10,000 hours ** at 23 °C *** 4 VDC model **** also available in rectangular housing	

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NOTE: 1064 nm on request

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