

VALO SHG SF SINGLE-FREQUENCY VISIBLE VECSEL



- ▶ Turn-key VECSEL system for research (Vertical-External-Cavity Surface-Emitting Laser)
- ▶ Efficient intracavity doubling from NIR to VIS
- ▶ Broad wavelength coverage at visible
- ▶ Single-frequency
- ▶ Tunable
- ▶ Excellent beam quality

Wavelength	400 – 700 nm. In development: 3xx nm
CW power	0.5 - 2 W with the integrated pump laser
Tuning (typical)	± 2 nm around the center wavelength
Locked linewidth	to be characterized
Beam quality	$M^2 < 1.1$
Frequency locking	Readiness with cavity piezo
VECSEL head size	320 mm x 190 mm x 100 mm (L x W x H)
System includes	VECSEL head with integrated pump laser VALO Control Unit for CW operation, 19"-rack installable Low vibration chiller (water to air heat-exchanger), 19"-rack installable

