

ALFALIGHT™

GLD-2

Green Laser Designator

PRELIMINARY

**Reliable power from
-20°C to +50°C**

**330 mW green
laser light**



**Consistent power over full
temperature range**

Weapons-mountable

Long battery life

Compact & easy to operate



Made in
the USA

Reliability.

Performance.

Innovation.

GLD-2

Green Laser Designator

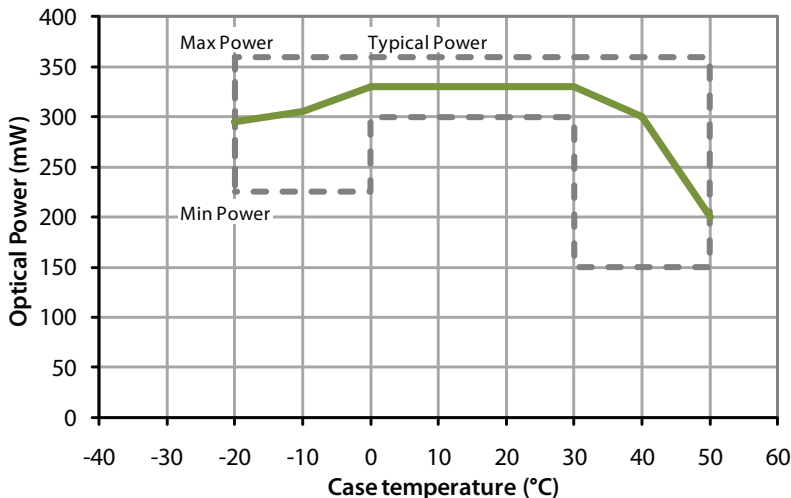
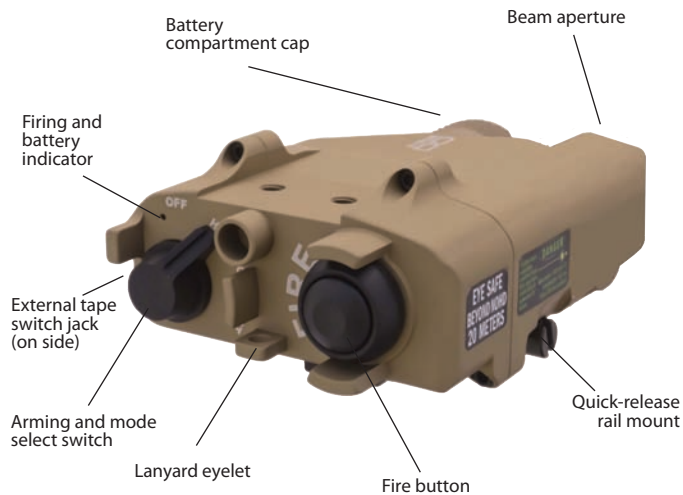
PRELIMINARY

PRODUCT SPECIFICATION

Alfalight GLD-002-STD

Key Features

- 330 mW of optical power
- Operating range of -20°C to $+50^{\circ}\text{C}$
- 2 hour battery life
- Rugged, sealed housing
- Meets MIL-STD-810G



Key specifications

Power	330 mW (nominal)
Wavelength	532 nm
Operating temp	-20 to $+50^{\circ}\text{C}$ (-4 to 122°F)
Operating mode	CW (continuous-on), slow pulse (2 Hz), fast pulse (10 Hz)
Size	$110 \times 65 \times 28$ mm
Weight	<225 g including rail mount, batteries, cap, az-el adjusters

Optical beam

Beam divergence	≤ 0.25 mrad (1/e)
NOHD*	< 1420 meters (0.25 sec exposure / $2.55 \text{ mW}/\text{cm}^2$ AEL)
Beam diameter	< 10 mm (at exit)
Useful range	300m - 6000m (day - night)
Safety	CDRH Class 3B device (< 500 mW) Meets ANSI Z136.1 when used as indicated Training mode (<5 mW)

Package

Housing	Aluminum, desert tan color Fully sealed
Mode / safety switch	Rotary switch: enable/disable and mode selection
Actuation	Momentary fingertip dome switch Remote tapeswitch jack; long tapeswitch included
Indicator	Recessed tri-color LED
Protective cap	Integrated bikini-style protective cover
Mounting	Thumbscrew-actuated integrated rapid-action Picatinny (MIL-STD-1913) rail clamp

Power

Power Source	2 \times CR123A batteries (3 volt lithium)
Battery life	2 hours operating ON time (25°C) 1 hour extreme ($-20 / +50^{\circ}\text{C}$)
Standby life	30 days (enabled / ON)
Warm-up time	0 seconds for case temperature $>0^{\circ}\text{C}$ <20 seconds for case temperature $<0^{\circ}\text{C}$
Turn-on/rise time	15 milliseconds after actuation

Other

Storage temperature	-35 to $+65^{\circ}\text{C}$
Ruggedness	<ul style="list-style-type: none"> • Meets MIL-STD-810G standards • Fully sealed: 2 meters (6.6 feet) immersion, salt spray • Shock: mechanical, thermal, drop • Vibration: transport & gunfire
Included accessories	<ul style="list-style-type: none"> • Long-gun remote tape switch • Mini Leatherman, metal wire lanyard, silicone lube • Batteries • Manual, test data
Options	<ul style="list-style-type: none"> • Holographic sight, mounts on top of unit • MOLLE-compatible fitted nylon carry case
Lifetime	5,000 h MTBF

*Nominal Optical Hazard Distance



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