

ALFALIGHT™

NLOD

Non-Lethal Ocular Disruptor

330 mW green laser light



Full power from -20 to 45°C

**Visual suppression of targets
from 20-700 m**

Hailing and warning to 2 km

Eye safe from 20 m (NOHD)

**Consistent impact over full
temperature range**

Ruggedized to MIL-STD-810G

Vehicle checkpoints ✦

Convoy protection ✦

Maritime security ✦

Visual suppression ✦

Distance hailing/warning ✦

Crowd control ✦



Reliability.

Performance.

Innovation.

NLOD

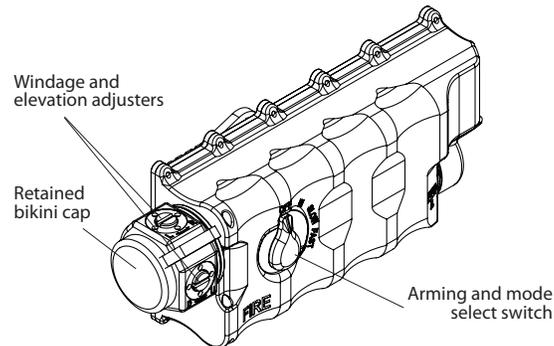
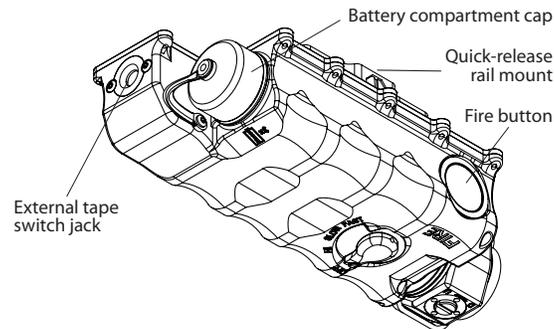
PRODUCT SPECIFICATION

Non-Lethal Ocular Disruptor

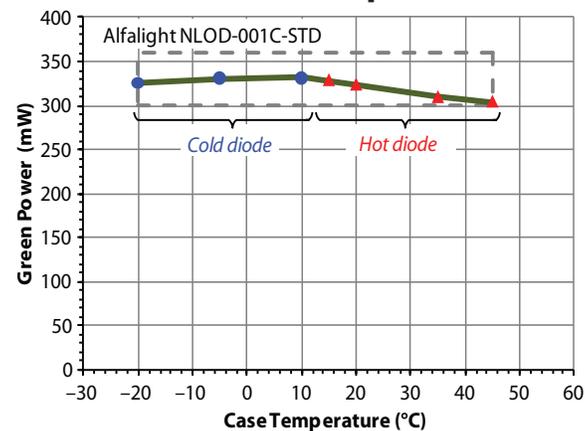
Alfalight NLOD-001C-STD

Key Features

- >300 mW of green laser power
- Stable power over -20 to +45°C
- Long battery life
- Rugged, sealed housing
- Meets MIL-STD-810G



Laser Power over Temperature



Key

Power	330 mW (nominal)
Power stability	10% all-inclusive conditions
Wavelength	532 nm
Operating temp	-20 to +50°C (-4 to +122°F)
Operating modes	HIGH (continuous on), SLOW (2 Hz), FAST (6 Hz)
Size	160 x 64 x 40 mm (6.2 x 2.5 x 1.6 in)
Weight	385 g (13.6 oz) including rail mount, batteries, cap, az-el adjusters

Optical Beam

Beam divergence	9 mrad (1/e)
NOHD*	20 meters
Beam quality	M ² < 2
Beam diameter	~4 mm at exit
Useful range	20 to > 2000 meters
Safety	IEC Class 3B device (< 500 mW) Meets ANSI Z136.1 when used as indicated
Beam steering	Fully integrated, compact windage-elevation adjusters 1 mil bore adjustment accuracy, 1 adjustment range

Package

Housing	Aluminum, Type III hard anodized, finger swelts
Mode/safety switch	Rotary switch: enable/disable and mode selection
Actuation	Momentary fingertip dome switch; remote tapeswitch jack
Protective cap	Integrated bikini-style cover
Mounting	Lever-actuated, fast-action (< 5 sec) quick-release MIL-STD-1913 Picatinny rail clamp

Power

Power Source	3 × CR-123A batteries (3 volt lithium)
Battery life	2 hours nominal (25°C) > 1 hour extreme (-20 / 45°C)
Battery life, standby	> 1 year (enabled / ON) Unlimited (disabled / OFF)
Warm-up time	None required (0 seconds)
Turn-on time	Instant (< 5 milliseconds)

Other

Audible noise	None (0 dba SPL @ 0 meters)
Ruggedness	Meets MIL-STD-810G requirements Fully sealed: immersion to 3 meters (10 feet); salt spray Shock: mechanical, thermal, drop Vibration: transport & gunfire

*NOHD = Nominal Optical Hazard Distance

