

# ALFALIGHT™

# NLOD-2

## Non-Lethal Ocular Disruptor

**Consistent operation  
from -4 to +122°F**



**330 mW green  
laser light**

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

**Hailing and warning to 2 km**

**Eye safe from 20 meters (NOHD)**

**Always instant-on**

**Weights just 7 ounces**

*Vehicle checkpoints* ⊕

*Convoy protection* ⊕

*Maritime security* ⊕

*Visual suppression* ⊕

*Distance hailing/warning* ⊕

*Crowd control* ⊕



**Reliability.**

**Performance.**

**Innovation.**

# NLOD-2

# PRODUCT SPECIFICATION

## Non-Lethal Ocular Disruptor II

## Alfalight NLOD-002A-STD

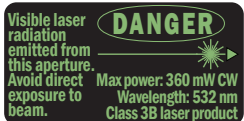
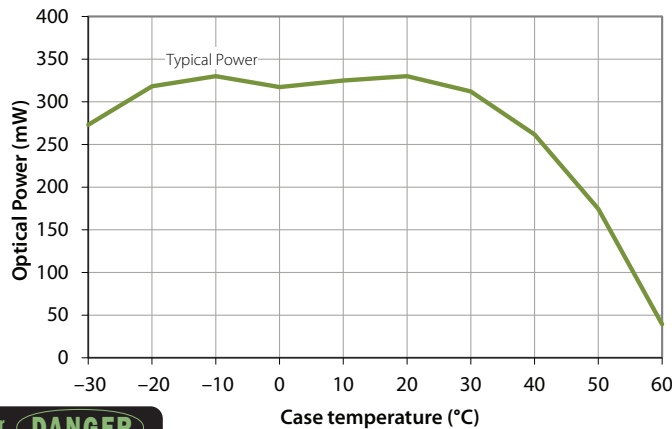
### Key Features

- 330 mW of optical power
- Operating range of -20°C to +50°C
- 2 hour battery life
- Rugged, sealed housing
- Meets MIL-STD-810G

Windage and elevation adjusters



### Thermal Performance



Alfalight NLOD products are subject to US law and may be controlled by ITAR and/or EAR for export purposes. Domestic sales of this product is restricted to the Department of Defense. International sales are regulated by the Department of State. Contact Alfalight for details.

### Key specifications

<b>Power</b>	330 mW (nominal)
<b>Wavelength</b>	532 nm
<b>Operating temp</b>	-20 to +50 C (-4 to 122 F)
<b>Operating mode</b>	CW (continuous), slow pulse (2 Hz), fast pulse (8 Hz)
<b>Size</b>	95 × 65 × 33 mm (3.7 × 2.6 × 1.3 in)
<b>Weight</b>	7 oz (200 g) with batteries, rail mount, az-el, caps 5.8 oz (165 g) without batteries

### Optical beam

<b>Beam divergence</b>	8 mrad via integrated telescope (1/e)
<b>NOHD*</b>	< 20 meters (0.25 sec exposure / 2.55 mW/cm² AEL)
<b>Beam diameter</b>	~ 0.6 mm (at exit, 1/e)
<b>Useful range</b>	beyond 2000 meters (irradiance of > 0.2 µW/cm²)
<b>Safety</b>	CDRH Class 3B device (< 360 mW) Training mode (< 5 mW) via attenuator
<b>Boresighting</b>	Integrated windage-elevation adjusters 1 mil bore adjustment accuracy, ±1 (±18 mil) range

### Package

<b>Housing</b>	Aluminum, desert tan color, fully sealed
<b>Mode/safety switch</b>	Rotary switch: enable/disable and mode selection
<b>Actuation</b>	Momentary fingertip dome switch; double-tap for persistent output Remote tapeswitch jack; short tapeswitch included
<b>Indicator</b>	Recessed multi-color LED: green = standby, red = firing, amber = low battery
<b>Protective cap</b>	Integrated bikini-style protective cover Has integrated training mode filter
<b>Mounting</b>	Thumbscrew-actuated, integrated Picatinny (MIL-STD-1913) rail clamp

### Power

<b>Power Source</b>	2 × CR-123A batteries (3 volt lithium)
<b>Battery life</b>	> 2 hours operating ON time (25 C) (high mode, 30 s ON / 150 s OFF cycle)
<b>Turn-on/rise time</b>	Instantaneous output upon firing Full power < 1 second after firing
<b>Standby warm-up**</b>	0 seconds for case temperature 5 to 50 C 2 - 45 seconds for case temperature -20 to 5 C
<b>Battery life, standby</b>	> 5 years (OFF) 6 months (enabled, 5 to 55 C) 2 - 12 hours (enabled, -20 to 5 C)

### Other

<b>Storage</b>	-35 to + 65 C
<b>Ruggedness</b>	<ul style="list-style-type: none"> <li>Meets MIL-STD-810G standards</li> <li>Fully sealed: 2 meters (6.6 feet) immersion, salt spray</li> <li>Shock: mechanical, thermal, drop</li> <li>Vibration: transport &amp; gunfire</li> </ul>
<b>Included accessories</b>	<ul style="list-style-type: none"> <li>Long-gun remote tape switch</li> <li>Vertical pistol grip</li> <li>Batteries, carry case</li> <li>Manual, test data</li> </ul>
<b>Options</b>	Holographic day sight
<b>Lifetime</b>	5,000 h MTBF

\* Nominal Optical Hazard Distance

\*\* Time from mode switch rotated from OFF to enabled setting (HI / SLOW / FAST)

v 3.5



# ALFALIGHT™

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