



IOS has demonstrated a series of prototypes superior to lasers in direct energy, short range, non-lethal weapon applications. IOS is developing a reusable and cost efficient nonpyrotechnic flash grenade (NPFG). The NPFG is entirely self-contained, and consists of a number of custom designed LED clusters, associated electronics, and a power supply, all of which are embedded in a semirigid polymer housing. Microstructured plastic lenses sealed in the housing above the clusters maximize light power. A sound source provides additional distraction effects. The device is designed so that it will always land upright when thrown or dropped.

Efficiency of the NPFG (the ratio of the irradiance on the target to the maximum permissible exposure level) is 15%, which will generate a brightness of 7 million candelas.

FEATURES & BENEFITS

- Non-flammable: safe in hazardous/explosive environments
- Smokeless
- **Rechargeable and reusable (good for 1000+ uses)**
- User-selectable delay from one to fifteen seconds with a push-to-test LED "ready" indicator
- Reliable in humid environments and in temperature ranges of -20°F to +120°F

APPLICATIONS

- "Drug Factory" clearance
- SWAT / Special Enforcement Bureau
- Hostage rescue operations
- Military
- Corrections
- Ocean vessels
- Boating Flares