

**Flashlights Unlimited
FU-405 Series
Deep Purple
Inspection Flashlight**



**FU-405 Series
Deep Purple
Inspection Flashlight
Specifications**

LED Specifications:
Peak Wavelength: 405nm
Output Bandwidth: 400-410nm
Peak Power Dissipation: 3W
Typical Lifespan: 10,000 hrs

Flashlight Specifications:
Overall Length: 5-7/8 in
Maximum Diameter: 1-3/8 in
Weight (Unloaded): 4.7 oz
Weight (2 x CR123A): 5.9 oz
Weight (1 x 18650): 6.3 oz
Material: Aluminum Alloy
Finish: Hard Anodize, Black
Integrity: Water Resistant
Seals: Dual O-Rings, Both Ends
Lens: Etched Quartz Diffuser
Bezel: Crenellated Anti-Roll
Switch: Tailcap Push-Button
Modes: Momentary & Constant
Accessories: Lanyard & Holster

Standard Disposable Batteries:
2 x CR123A Lithium
3.0V, 1300-1500mAh
Typical Continuous Runtime: 3-4 hrs
Do not install rechargeable type RCR123A

Optional Rechargeable Battery:
1 x 18650 Lithium Ion
3.7V, 2500-3000mAh
Typical Continuous Runtime: 5-6 hrs

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Operation & Maintenance**

Unscrew the tailcap to install or replace batteries, do not unscrew the headcap. Regardless of type, always install batteries with button (+) ends facing toward the lens, and flat (-) ends facing toward the tailcap.

Partially depress the tailcap switch for momentary operation, or press until it clicks for constant operation, click again to switch off. Turn off the flashlight before changing the batteries.

Aim the flashlight toward the surface to be inspected, and then turn on the beam. Wear yellow filter glasses to improve the contrast of defects in the coating, and to enhance vision safety.

Periodically clean the flashlight and lens with a soft cloth slightly moistened with ordinary window cleaner. Periodically lubricate the tailcap o-ring seals and threads with silicone grease. Do not use any hydrocarbon solvents or petrochemical lubricants on any part of the flashlight, damage will result (not covered by warranty).

**FU-405 Series
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Safety Precautions**

The flashlight emits very intense violet light. Do not look directly into the beam (of this or any other high-intensity flashlight), and avoid strongly reflected exposure.

Keep the flashlight and batteries well away from flames or extreme heat or combustible materials. If handled or recharged incorrectly, lithium batteries can cause fires, explosions, injuries, and death.

Do not attempt to recharge disposable lithium batteries. Do not mix batteries of different types or brands or discharge conditions.

Do not leave lithium ion rechargeable batteries unattended during recharging. Do not use an unprotected lithium ion rechargeable battery. Do not recharge lithium ion batteries in any chargers other than those designed for the specific battery types being used.

**FU-405 Series
Deep Purple
Inspection Flashlight
Limited Warranty**

The flashlight is warranted to be free of defects in materials and workmanship for a period of one year from the date of purchase or delivery. Your sole remedy under this warranty is repair or replacement (at our option) of the defective flashlight, if returned to us at the customer's expense during the warranty period. The warranty will be voided if the flashlight or batteries have been damaged or operated improperly. There are no warranties of suitability for a specific application. Flashlights Unlimited will accept no liability whatsoever for any direct or consequential or incidental damages arising from the use or misuse or abuse of the flashlight or any accessory items under any circumstances. Battery and charger items are similarly warranted for a period of 90 days from the date of purchase or delivery (disposable batteries are excluded).

**Flashlights Unlimited
FU-405 Series
Deep Purple
Inspection Flashlight**

Designed &
Manufactured For

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Flashlight & Holster
Made In China

Operations Guide
Printed In USA

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Flashlights Unlimited FU-405 Deep Purple Inspection Flashlight Charger & Batteries



FU-405 Deep Purple Inspection Flashlight Charger & Batteries Specifications

Charger Specifications:

Make & Model: Tenergy TN270 (01270)
Charges: 1 Or 2 Batteries, Independent
Battery Type: 3.7V Lithium Ion Only
Battery Type Numbers: 18500 Or 18650
Battery Holders: 2, Spring-Loaded
Charge Indicators: 2, Red/Green LED
Charge Output: 4.2VDC @ 500mA x 2
AC Input: 100-240VAC, 50-60Hz @ 0.15A
AC Connection: Type A, 2 Prong Nonpolar
DC Input: 12-24VDC @ 0.5-1.0A
DC Connection: Auto Cigar Lighter Plug
Safety Limitation: For Indoor Use Only

Battery Specifications:

Make & Model: Tenergy 18650 (30049)
Nominal Voltage: 3.7V
Low-Limit Cut-Off Voltage: 2.5V
High-Limit Cut-Off Voltage: 4.35V
Nominal Capacity: 2600mAh
Minimum Capacity: 2500mAh
Internal Impedance: ≤ 130 milliOhms
Over/Under Protection: Internal PCB
Diameter: 19mm ± 0.5 mm
Height: 69.5mm ± 0.5 mm
Typical Approximate Weight: 50g
Typical Performance: 90% @ 400 Cycles
Typical Charging Lifespan: >500 Cycles
Manufacturing Standard: ISO9001-2000

FU-405 Deep Purple Inspection Flashlight Charger & Batteries Operation

Fully charge each battery before installing in flashlight. Charger can independently charge one or two batteries simultaneously. Use only the supplied batteries, and do not install any other types.

Pull down bottom spring tab and insert battery with button (+) contact at top of charger and flat (-) contact against bottom spring tab. Never install batteries backwards.

Connect either the 120VAC or 12VDC power cord (never both at once) and connect to an appropriate power source (see at left).

Indicator light will glow red when a battery is charging, and will change to green when battery has been fully charged. Remove each battery promptly after charging has been completed for each one. Charger has reverse polarity and short circuit protection features.

FU-405 Deep Purple Inspection Flashlight Charger & Batteries Safety Precautions

Keep the flashlight and batteries well away from flames or extreme heat or combustible materials. If handled or recharged incorrectly, lithium ion batteries can cause fires, explosions, property damage, injuries, and death.

Keep the batteries and charger well away from water or liquids of any kind. Exposure to water may cause shock hazards and fatal electrocution.

Do not leave lithium ion rechargeable batteries and chargers unattended while recharging. Do not operate the charger on wood, carpet, fabric, or any other soft or flammable surfaces.

Do not attempt to recharge disposable lithium batteries. Never mix batteries of different types or brands in the charger or flashlight. Do not use any unprotected lithium ion rechargeable batteries. Never recharge lithium ion batteries in any chargers other than those designed for the specific battery types and brands being used.

FU-405 Deep Purple Inspection Flashlight Charger & Batteries Limited Warranty

The charger and supplied batteries are warranted to be free of defects in materials and workmanship for a period of ninety days from the date of purchase or delivery. Your sole remedy under this warranty is repair or replacement (at our option) of any defective items, if returned to us at the customer's expense during the warranty period. The warranty will be voided if the flashlight or charger or batteries have been damaged or operated improperly. There are no warranties of suitability for a specific application. Flashlights Unlimited will accept no liability whatsoever for any direct or consequential or incidental damages arising from the use or misuse or abuse of the flashlight or lithium ion batteries or charger or any other accessory items under any circumstances.

Flashlights Unlimited FU-405 Deep Purple Inspection Flashlight Charger & Batteries

Packaged &
Distributed By

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