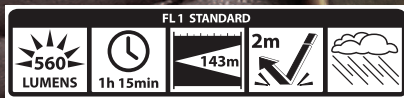




# Tungsten<sup>®</sup> DF



18650 RECHARGEABLE



CR123A BATTERIES

- Dual Fuel 18650 or CR123A
- Micro USB Charge Port
- Type III Hardcoat Anodizing
- Reversible Pocket Clip
- Intermittent · Locked · Constant Switch



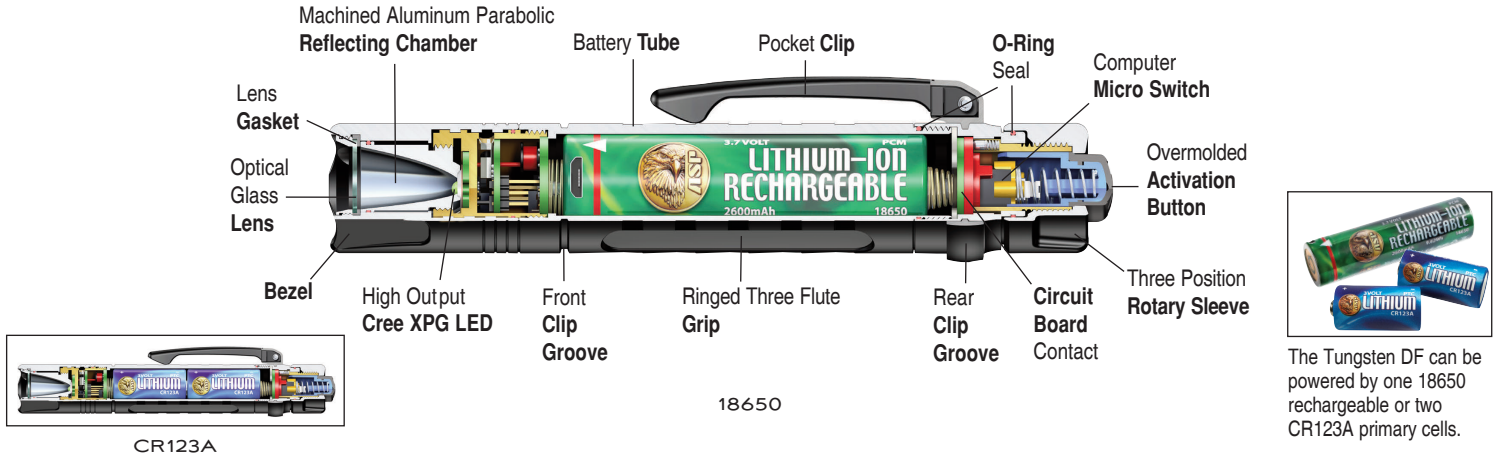
The Dual Fuel Tungsten<sup>®</sup> DF adds a micro USB charge port, internal charge circuit and Lithium-ion power cell to the distinctive Tungsten design. Premium Tungsten features remain. A ringed, three flute grip is machined into a matte black Type III hardcoat anodized aerospace aluminum body. The four cut switch rotates to an Intermittent · Locked · Constant position. The detachable Pocket Clip may be positioned lens up or lens down. All connectors and springs on the Tungsten DF are gold plated. The electronic circuit board drives a Cree XPG LED. The unique Double Tap technology allows instant access to a 15 lumen low level output.

Loosening the head of the Tungsten reveals the micro USB charge port. Attach the retractable charging cord to a car charger, wall charger or to a computer USB port. Even a micro USB cell phone charger can be used to recharge the Tungsten DF. The battery indicator of the Tungsten blinks red when charging. It turns solid green when fully charged. The light and cord are encased in a zippered ballistic carrier.

Dual Fuel Technology of the Tungsten DF employs an 18650 rechargeable Lithium-ion power cell. The light also accepts CR123A batteries. These primary cells are unaffected by the Tungsten DF charge circuit.

Sleek and compact with a unique form factor. A Transitional light that is easily charged. The exceptionally bright Tungsten DF. Simply Brilliant.

# Tungsten DF . . . Simply Brilliant



The Tungsten DF can be powered by one 18650 rechargeable or two CR123A primary cells.

## Background

- Designed to professional law enforcement standards
- Aerospace aluminum construction
- Precision machined
- No sharp edges
- O-ring sealed for maximum water resistance
- Distinct profile
- Dual Fuel

## Specifications

Length	5.75"	146 mm
Diameter	.91"	23.11 mm
Weight	4.24 ounces	120 grams
	(with batteries)	

### 18650

System	3.7 volt
High Output	430 lumens
Low Output	15 lumens
High Run Time	3 hours 30 minutes
Low Run Time	110 hours

### CR123A

System	6 volt
High Output	560 lumens
Low Output	15 lumens
High Run Time	1 hour 15 minutes
Low Run Time	28 hours

## Body

- 6061 T6 high strength aluminum
- Matte black finish
- Type III hardcoat anodized
- Coated threads for durability
- Exterior and interior scratch and corrosion protection
- Ringed three flute grip
- Front clip groove
- Rear clip groove

## Pocket Clip

- Detachable
- Reversible

## Rechargeable Power Cells

- Proprietary 18650 Lithium-ion (2200 mAh)
- 3.7 volt
- PTC protected
- PCM protected
- Overcharge protection
- Fast discharge protection
- Short circuit protection
- Leak proof
- Vibration resistant
- Ten year shelf life
- Link case

## Charge System

- Micro USB
- Flashing red charging
- Solid green fully charged

## Primary Cell

- CR123A Lithium primary
- 3 volt
- PTC protected
- Leak proof
- Vibration resistant
- Ten year shelf life

## Power Cell Tube

- Ringed three flute grip
- O-ring sealed

## Locking Switch

- Back mounted
- Quick and positive switch location under stress
- O-ring sealed activation button
- Locked (center)
- Constant on/off switch activation (right)
- Intermittent switch activation (left)
- O-ring sealed switch cover
- PC board positive circuit contact
- Sensitive and quiet switch activation
- Computer micro switch controlled
- Self-cleaning (no carbon buildup)
- Fail safe (backup) switch circuits
- Replaceable modular switch assemblies
- O-ring sealed connection to the light body
- Rotate one full turn to prevent accidental activation

## Reflector Assembly

- Parabolic
- Extremely durable
- Computer calculated ray traces
- Long distance penetrating beam
- Room illuminating halo
- Tempered optical glass lens
- Gasket sealed

## LED Assembly

- Cree XPG LED
- Proprietary heat management
- Custom driver
- Smart chip technology
- Gasket sealed

## Belt Cases

- Injection molded

## Travel Case

- Ballistic weave
- Zippered

## Warranty

- Limited Lifetime



TLC Tactical Light Cases protect and securely retain the Tungsten® DF.



## SWITCH ACTIVATION



**NOTE:** Use only ASP 18650 Lithium-ion rechargeable batteries with Tungsten DF lights.

**ASP**  
"Simply Brilliant"