



# MTL-225

## Vertical Grip Tactical Light

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### *User Manual*



# MTL-225 Vertical Grip Tactical Light

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## Introduction

The MTL-225 Vertical Grip Tactical Light provides a rugged and reliable source of high intensity LED light that attaches directly to the weapon's Picatinny or Weaver rail via an integral two thumbscrew mount. In addition, two low output LED navigation lights provide illumination for stealth navigation.

The main high intensity LED lamp unit is shock isolated and can withstand recoil during sustained-fire situations. The main light is controlled by both a *Constant ON* and a *Momentary ON* switch. Two pressure sensitive pads located on the left and right side of the vertical grip momentarily activate the main light when pressed.

Turning the main switch to the *Constant ON* position turns the light on constantly. When the main switch is at the *Momentary ON* position, press on either Pressure Switch of the vertical grip and the main light will come ON, release pressure and the light will go OFF. The two low output LED navigation lights are controlled by a separate momentary pressure switch located at the top rear of the housing.

## Installation

1. Unscrew the battery compartment cap located at the bottom of the vertical grip. Insert two CR123A or EL123A Lithium batteries with the (+) terminals facing inward into the grip. Replace the battery compartment cap ensuring the green "O" Ring is properly located. Tighten the battery compartment cap **BY HAND**. Familiarize yourself with the controls by trying each function.
2. Remove the magazine from the weapon and inspect the weapon to be certain it is not loaded.
3. Loosen the two thumbscrews on the mount located at the top part of the light.
4. Fit the light onto the Picatinny or Weaver rail on the weapon.
5. Tighten the two thumbscrews **BY HAND** to secure the light.

**WARNING**

*DO NOT use tools to tighten the thumbscrews.  
Tools can damage the thumbscrews and the mount.  
Damage caused by over tightening is NOT covered under warranty.*

**WARNING**

*Lithium batteries can explode or cause burns if disassembled,  
shorted, recharged or exposed to fire or high temperature.*

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## CAUTION

The high output LED light unit used in this tactical light is very powerful. When the main LED light is on, heat is produced. Please make sure that the main switch is **OFF** when storing the Tactical Light. If the LED light unit is turned on while in a case or other container, the LED light unit can overheat and cause severe damage in the light and surrounding materials. We suggest you remove the battery or unscrew the battery cap far enough to prevent the LED light unit from inadvertently turning on when stored. Damage caused by overheating is **not** covered under warranty.



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## Specifications

Main Light LED	Extra Bright Cree XRE Series LED
Main Light Output Power	225 Lumens – over 100 meters range for beam 5,800 ~ 6,000 Kelvin Color Temperature – White Light
Beam Diameter	35mm at origin
Material	(Body) 6061 T6 Aircraft Aluminum, Fiber Reinforced Nylon (Lens) 4mm Clear Polycarbonate Lens
Drop Resistance	8 Meters (in power off mode)
Waterproof	8 Meters – with undamaged battery cap “O” Ring
Length	135mm
Height	168mm
Width	55mm
Weight	490g without batteries
Battery Type	Two CR123A or EL123A - 3 Volt Lithium Batteries Required
LED Life Rating	10,000 hours intermittent; 2,000 hours constant
Run Time	Main Light - >60 min constant – new Batteries
Navigation LED	Two 15 Lumens integrated Navigation LEDs
Supplied Batteries	Due to regulations the MTL-225 is not shipped with Batteries

## Warranty

Police Ordnance Company Inc. warrants that its products will be free from defects in materials and workmanship. Police Ordnance will repair or replace (at its option), without charge, any product or part which is found to be defective under normal use and service. Such repair or replacement shall be the purchaser's sole and exclusive remedy under this warranty. This warranty does not include normal maintenance and service and does not apply to any products or parts which have been subject to modification, misuse, negligence, accident, improper maintenance or repair by anyone other than Police Ordnance Company Inc. Batteries are NOT covered under this warranty.

## Contact Information:

Police Ordnance Company Inc.  
22 Riviera Drive  
Markham, Ontario  
Canada L3R 5M1

Tel: 905-479-2223  
Fax: 905-479-8558  
Web Site: <http://www.PoliceOrdnance.com>

Dedicated MTL-225 Product Support Email: [MTL@PoliceOrdnance.com](mailto:MTL@PoliceOrdnance.com)