NEXDOT

WL52 IR

Dual-Light Tactical Weapon Light for Universal Rails

- White Light + IR Illumination



- 2,000 Lumens High Output
- 40,000 Candela High Intensity
- 400 m Beam Distance
- 1,000 mW IR Output

2000 Lumens High Output

40,000 Candela Peak Intensity × 400 m Beam Distance

Powered by a high-performance white LED, enabling reliable target identification, threat suppression, and area control in demanding environments

High White Light

Tactical Control







Low White Light

Search & Patrol







Infrared (IR) Illumination

Built-in high-power IR emitter provides stable, controllable, and invisible illumination for use with night vision devices

1000mW (High / Momentary)

400mW (Low Output)

Up to 10 Hours Runtime (18650 Battery, Low Mode)



Dual-Light System

Independent Control of White Light × IR Light





White Light

For target identification, area control,
and situational awareness





Infrared (IR) Light

Used with night vision devices to
provide stable invisible illumination
without revealing visible light signatures

Multi-Control System



01

Head Light Source Selector

Independent White Light / IR Selection

02

Tail Mode Dial

Lock / Low / High Modes



03

Remote Pressure Switch

Supports remote switch for flexible grip and tactical setups



04

Backup Tail Switch

Half press for momentary-on and full press for constant-on. Remains functional even if the remote switch fails

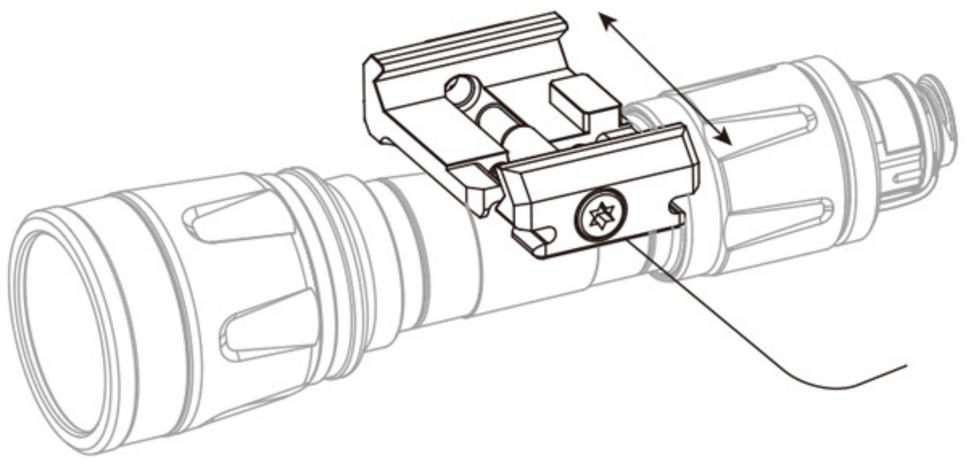


Universal Rail System

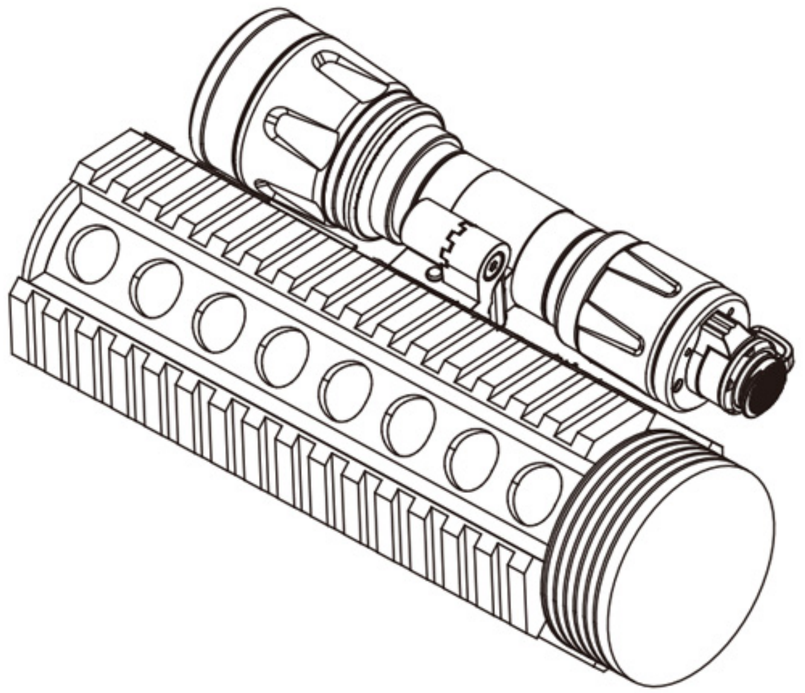
- Includes a Picatinny rail mount for solid and reliable installation
- Compatible with M-LOK systems via optional adapter
- Adjustable mounting angle for a more precise fit
- Standard remote port ensures stable and secure connection
- Rail-mountable pressure switch for quick and easy control

TACTICAL LIGHT INSTALLATION

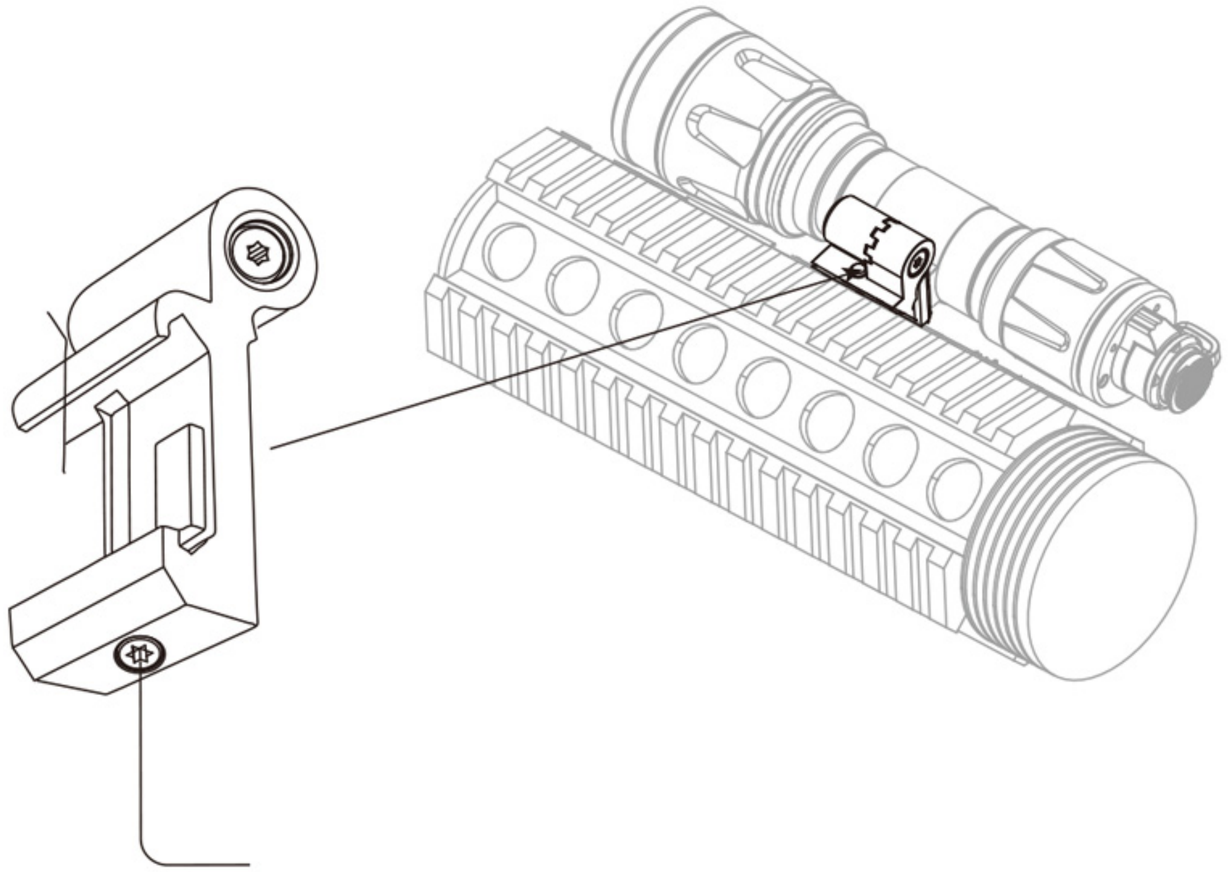
1. Loosen the rail adjustment screw with a hex wrench, push the movable rail block aside, and leave installation space.



2. Align the light with the rail slot, insert it, and push the movable rail block to fit tightly against the rail.



3. Tighten the rail adjustment screw to ensure the light is securely locked onto the rail system.



Dual Power Compatibility

18650 battery delivers high output and extended runtime
CR123A batteries provide reliable backup for emergency use

Includes 1× 18650
USB-C rechargeable
Li-ion battery



Compatible
with 2× CR123A
lithium batteries



Rugged Construction

Reliable in Tactical Environments

Aerospace-grade aluminum body with hard anodized finish for durability in rain, dust, and impact conditions



IP68 Rated | 2 m Impact-Resistance

ANSI / PLATO-FL1	One 18650					
	White Light			IR Mode		
	Momentary on	High	Low	Momentary on	High	Low
Light Output	2000 lm	2000 lm	150 lm	1000 mW	1000 mW	400 mW
Run Time	—	2 h 15 min	10 h	—	4 h	10 h
Beam Distance	—	400 m	100 m	—	—	—
Beam Intensity	—	40000 cd	2520 cd	—	—	—

ANSI / PLATO-FL1	Two CR123A					
	White Light			IR Mode		
	Momentary on	High	Low	Momentary on	High	Low
Light Output	1400 lm	1400 lm	150 lm	1000 mW	1000 mW	400 mW
Run Time	—	1 h 45 min	5 h	—	2 h	4 h
Beam Distance	—	350 m	100 m	—	—	—
Beam Intensity	—	30625 cd	2520 cd	—	—	—

Impact Resistance	2 m
Submersible	IP68, 2 m
Weight and Dimensions	Weight: 222 g / 7.83 oz (Without battery)
	Size: 157 mm (Length) × 40 mm (Height) × 47 mm (Head)
Material	Light Source: White + IR LEDs
	Aluminum alloy
Battery	One 18650 or Two CR123A