



Long-range tactical torch combining LEP technology and 5 flood LEDs, delivering a beam reaching 2,900 metres. Maximum output 2,000 lumens, runtime up to 20 hours. Adjustable spot/flood function, ideal for hunting, law enforcement, the military, patrols and search and rescue missions. IP68 waterproof rating, USB-C rechargeable, operates on 1 x 21700 battery.

The **Nitecore P40 LEP** torch is equipped with a dual-beam system combining a **Class 1 LEP** module for ultra-long-range projection and 5 **flood LEDs** for wide, versatile illumination.

With a maximum intensity of **2,130,800 cd**, the **P40** pushes the boundaries and achieves a record range of **2,900 metres**.

Compact and robust, it runs on a single **21700 NL2155HP 5500 mAh** battery, ensuring power and runtime whilst remaining easy to carry. Its intelligent system allows you to switch between spot, flood or mixed modes, depending on the user's needs.

Operating instructions

Momentary tactical switch: When the torch is off, press the rear button halfway and hold it down to switch it on momentarily. Release to switch it off.

ON/OFF: To switch the torch on, press the rear button fully until you hear a click. To switch it off, repeat the same action whilst the torch is on.



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Brightness adjustment:

When the torch is on, briefly pressing button A cycles through the levels in order: **LOW → MEDIUM → HIGH → TURBO**. Briefly pressing button B cycles through the levels in reverse order: **TURBO → HIGH → MEDIUM → LOW**. The torch has a memory function: when switched back on, it automatically returns to the last level used.

Direct access to turbo mode: When the torch is switched on, hold button A down to access **TURBO** directly. Release to return to the previous level.

User modes:

The **P40** allows you to switch between three lighting modes: **100% Floodlight** (wide beam), **100% Spotlight** (narrow beam) or **mixed light**.

By default, the **LOW / MEDIUM / HIGH** levels are set to mixed light. To change this, hold down button B: the torch cycles through **Flood → Spot → Mixed**. Release to confirm and save the setting. When restarted, the torch automatically returns to the last saved configuration. Note: at the **TURBO** level, beam adjustment is not possible. If you hold down button B, the lamp will flash to indicate this.

Resetting to default settings: When the lamp is off, press and hold buttons A and B simultaneously. Then press the rear button fully. Release all buttons: the lamp will flash twice to confirm the reset.

Adaptive Cruise mode:

To activate: with the lamp on, press and hold buttons A and B simultaneously until the lamp flashes twice. It will then switch to adaptive mode with mixed lighting. To deactivate: in adaptive mode, briefly press A or B to return to the previous mode. Note: adaptive mode remains active even after the lamp is switched off.

Battery indicator:

When the torch is off, hold down button B and then press the rear button fully. The indicator flashes to display the battery voltage (accuracy ± 0.1 V). Example: 3 flashes + pause + 7 flashes = 3.7 V. When the torch is on, the indicator displays the charge level:

- Steady light: battery > 50%
- Slow flashing: battery < 50%
- Fast flashing: battery < 10%



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Thermal regulation (ATR): The torch is equipped with **ATR (Advanced Temperature Regulation)** technology, which automatically adjusts the power output based on the internal temperature and usage conditions to ensure optimal performance without overheating.

Battery level: The battery must be replaced or recharged when the output appears low. The OLED display shows the remaining runtime depending on the mode used.

Charging function: The **P40** is equipped with a smart charging system. Use the supplied **USB-C** cable and plug it into the side of the torch. The screen will display the charging progress. During charging, the indicator on the back of the torch flashes slowly. When the battery is fully charged, the indicator will remain lit. If the charging status is abnormal (e.g. a faulty battery), the rear indicator will flash rapidly.

Specifications

- 1 × **Class 1 LEP LED** + 5 × **Flood LEDs**
- 9 regulated light modes + **Turbo**
- Turbo mode: 2000 ANSI lumens (*1h) – range 2900 metres (*Battery life tested without thermal regulation)
- High mode: 600 ANSI lumens (2 hours 30 minutes) – range 1,000 metres – Mixed light
400 ANSI lumens (2 hours 30 minutes) – range 2,000 metres – Spotlight
800 ANSI lumens (2.5 hours) – range 95 metres – Floodlight
- Mid mode: 300 ANSI lumens (4 hours) – range 750 metres – Mixed light
200 ANSI lumens (3 hours 45 minutes) – range 1,500 metres – Spotlight
400 ANSI lumens (4 hours) – range 65 metres – Floodlight
- Low mode: 80 ANSI lumens (20 hours) – range 340 metres – Mixed light
50 ANSI lumens (20 hours) – range 680 metres – Spotlight
100 ANSI lumens (20 hours) – range 33 metres – Floodlight
- Maximum intensity: **2,130,800 cd**
- Battery: 1 x **21700 NL2155HP 5500 mAh** battery
- Maximum range: 2,900 metres
- Fast QC/PD charging via **USB-C** (≈ 2 hours 20 minutes)
- Max. runtime: 20 hours
- Automatic temperature regulation (**ATR**) based on the lamp's internal temperature
- Finish: Military-grade HAIII hard anodised scratch-resistant coating

- Dimensions: 186 mm (length) x 67 mm (head diameter) x 29 mm (tube) x 37 mm (tail cap)
- Weight: 316 g (without battery) / 390 g (with battery)
- Body made from aerospace-grade aluminium, military-grade HAIII anodised
- Waterproof to IP68 standard (2 metres)
- Impact resistance: 1 m
- 5-year warranty

Contents of the box

- **Nitecore P40** torch
- **Nitecore 21700 NL2155HP** battery
- **USB-C** charging cable
- Holster
- Wrist strap
- 2 spare O-rings

Features

- Equipped with a dual-beam system combining a floodlight reflector and a spotlight optical lens, providing a max output of 2,000 lumens
- Utilizes an LEP spotlight source and 5 floodlight LEDs
- Features an Adaptive Cruise Mode that automatically adjusts brightness according to the lighting angle
- Peak beam intensity of 2,130,800cd and max throw of 2,900 meters
- Designed with a tail power button and two level adjustment buttons
- Includes a NITECORE NL2155HP 21700 rechargeable Li-ion battery (5,500mAh) to provide a runtime up to 20 hours
- Intelligent Li-ion battery fast charging circuit with a USB-C charging port
- An indicator displays the remaining battery level
- Highly efficient constant current circuit
- Incorporated Advanced Temperature Regulation (ATR) module (Patent No. ZL201510534543.6)
- Optical lens with double-sided scratch resistant coating
- Constructed from aero grade aluminum alloy
- HA III military grade hard-anodized finish
- Rating in accordance with IP68 (2 meters submersible)
- 1 meter impact resistance



Spotlight / Floodlight Adjustment

Allowing users to switch between spotlight, floodlight and mixed light at LOW, MID, and HIGH levels, and directly access the last memorized beam setting, perfectly adapting to various scenarios and personal lighting needs.

*At TURBO level, the spotlight and floodlight cannot be adjusted.

Spotlight : Long-distance Search / Rescue



Floodlight : Close-range Lighting / Maintenance / Emergency Response / Adventure



Mixed Light : General Use



5500mAh High Capacity Battery Included

18W USB-C Fast Charging

20-Hour Max Runtime



NL2155HP



NITECORE P40

Blazing Brightness

2000 Lumens

Ideal for both close-range and long-distance illumination

Floodlight LEDs

Collimating Lens

Long
throw
Stable
Uniform
Focused

White Laser Emitter

Floodlight Reflector

LEP Technology Inside

Sharp Beam Ultra-long Throw

Utilizes an LEP spotlight source compliant with the CLASS 1 standard, delivering safer use, a brighter and more focused beam, and longer throw

Adaptive Cruise Mode Automatic Brightness Control

(PATENT PENDING)

Automatically adjusts brightness according to the lighting angle - no more manual adjustments, just seamless control and less power consumption.



When raised to aim far, the flashlight increases brightness automatically for long-distance lighting.
When lowered to aim at the ground, it dims automatically for close-range lighting.

NITECORE®



P40

Ultra-Long Throw Dual Beam LEP Flashlight



2000 Lumens



2900 Meters



Spotlight & Floodlight



Adaptive Cruise Mode



CLASS 1

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Intuitive Three-Button Control

Three-button design with different functions for intuitive use



Power Button

On / Off / Tactical Momentary Illumination



Button A + Button B

Adaptive Cruise Mode



Button A

Brightness Level Adjustment / Quick Access to TURBO



Button B

Brightness Level / Spotlight / Floodlight Adjustment



Technical Data

FL1 STANDARD	TURBO	HIGH			MID			LOW		
		Mixed Light	100% Spotlight	100% Floodlight	Mixed Light	100% Spotlight	100% Floodlight	Mixed Light	100% Spotlight	100% Floodlight
	*2,000 Lumens	600 Lumens	400 Lumens	800 Lumens	300 Lumens	200 Lumens	400 Lumens	80 Lumens	50 Lumens	100 Lumens
	*1h	2h 30min	2h 30min	2h 30min	4h	3h 45min	4h	20h	20h	20h
	*2,900m	1,000m	2,000m	95m	750m	1,500m	65m	340m	680m	33m
	*2,130,800cd	250,000cd	1,000,000cd	2,300cd	141,000cd	563,050cd	1,070cd	28,900cd	115,600cd	280cd
	1m (Impact Resistance)									
	IP68, 2m (Waterproof and Submersible)									

Note:
1. The stated data is measured by using the NITECORE 27000 rechargeable Li-Ion battery (5,300mAh), in accordance with the International flashlight testing standards ANSI/PLATO FL1-1:2010, at an ambient temperature of 26°C (79°F) from the NITECORE Lab. The data may vary in real world use due to different battery usage or environmental conditions.
2. The white laser (40.39mW, wavelength: 440~450nm) is Class I, complying with the standard IEC60825-1 requirements.

* The 2000-lumen TURBO level is only accessible when using a 27000 rechargeable Li-Ion battery with a discharge current over 8A. * The data is tested without the temperature regulation.