



LEDWAVE[®]

TACTICAL LIGHTING SYSTEMS

Ledwave HID Predator

The last word in compact torches: 400 Lumens in a hand-held light.



The Ledwave HID Predator is a tactical torch with HID (High Intensity Discharge) technology, which means an ultra-powerful beam, a bulb with a runtime of 1,000 hrs+ which is unmatched in the industry, and the most perfect colour temperature you've ever seen: 5200 Kelvin, which is pure white.

The core feature of the HID PREDATOR does not feature a conventional bulb, but an H.I.D. module Welch Allyn's brand, that provides pure white light. Unlike traditional torches that produce much reduced light flows, the HID PREDATOR produces up to **400 Lumens** of REAL light.



Technical Data

Model / Item-No.	HID Predator / 86905
Output / Bulb type	400 Lumens / 10 Watt HID white
Batteries / Runtime	4 x CR123A / 3 hrs
Weight*	330 g
Diameter (Body/Head)	25 mm / 68 mm

* = including batteries

HID TECHNOLOGY

HID technology (High Intensity Discharge) provides great light power, a long 1,000-hour bulb lifespan, and an extraordinary colour temperature of 5,200 K (pure white). HID is a technology that substitutes the traditional wolfram filament in halogen bulbs with a sealed capsule of xenon gas. The technology in high intensity discharge lighting is in some ways similar to fluorescent technology: an arc is established between two electrodes in a gas-filled tube which causes a metallic vapour to produce radiant energy, However, in the case of HID technology, a combination of factors shifts the wavelength of much of this energy to within the visible range, so light is produced without the need for phosphors. In addition, the electrodes are only a few centimeters apart (at opposite ends of a sealed "arc tube") and the gases in the tube are highly pressurized, This allows the arc to generate extremely high temperatures, causing metallic elements floating inside the bulb to vaporize and release large amounts of visible radiant energy, Gas-filled bulbs produce a more bluish light, but with none of the aforementioned advantages,

GENERAL OPERATION

The HID PREDATOR has a tactical on/off system on the back of the torch that provides constant light. The on button is covered by waterproof rubber casing. The torch may take a few seconds to light up completely on account of the ballast function. This is completely normal. Your torch works properly.

BALLASTS AND WARM-UP TIME

Like any gaseous discharge light source, HID lamps have a number of specific electrical requirements that must be supplied by a ballast. This is an electrical component that gives a discharge of approximately 23,000 volts in order to light up a xenon bulb. After a few seconds, its function is to maintain the current voltage required for illumination. In addition, HID lamps require a warm-up period to achieve full light output. Even a momentary loss of power can cause the system to restrike and have to warm up again – a process that can take several minutes. In applications where constant illumination is important for safety and security, a backup system is often required. The Standby lamp offers instant restrike capabilities once power is restored, making it an ideal choice for applications where safety is a concern.

Ledwave is internationally represented by:

OUTDOOR MARKETING INTERNATIONAL GMBH, Uhlandstraße 13, 97638 Mellrichstadt / GERMANY
Phone: +49-9776-709660 , Fax: +49-9776-709661 , E-Mail: info@outdoor-mi.com
Internet: www.outdoor-mi.com

