

15 Million Candlepower Handheld Spotlight - 35 Watt HID - 3200 Lumens - Spot / Flood Combo

Part #: HL-85-HID



This lightweight, ultra rugged, ergonomic handheld HID Magnalight spotlight operates on 12 volts or 24 volts DC and can be used as a spot or flood light. This Magnalight spotlight ships with a 16 foot coil cord with cigarette plug and long life 35 Watt High Intensity Discharge (HID) bulb. The unique reflector and lens configuration produces a 2800 foot beam in spotlight mode, giving it a 15 million retail candlepower rating. Backed by a 3 year warranty, our new Magnalight handheld spotlight is ideal for work, security and hunting and spotting.

“When it comes to hunting predators I want every advantage I can get. I trust my success to Magnalight. They are without a doubt the best spotlight you can find for night hunting.” - Dustin Butler, Team Foxpro

This handheld spotlight was designed for a specific purpose and the materials were chosen for the same purpose. There are many handheld lights with similar configuration, however we noticed that quality and durability does not meet the needs of most of our work oriented and industrial users.

The handle and lamp housing support are made from high impact nylon. The polycarbonate lamp housing is thick and contoured for extra support. The 16 gauge internal wiring and connectors are simple and well constructed. The industrial grade, HID bulb is designed for 4500 hours of life while producing over 15 million candlepower in this configuration. The impact resistant polycarbonate lens is lightweight, shatter resistant and thermal resistant. The reflector is uniquely shaped and shallow, capturing and focusing the light efficiently and effectively. Combined with a convex lens and inset lens positioning, this light optimally and efficiently captures and projects the right amount of light where the operator wants it. The position of the bulb and the shape of reflector are different than most handheld lighting products. The difference is in how much of the emitted light is captured and focused. In many ways, light shares the properties of the water. With many spotlights, a great deal of the light “spills” on the ground around the light source. While a beam continues to project, much of the light “spills” out around the source, robbing the desired, projected beam of its power. Often times, as much as 50 percent of the light is lost. In the Magnalight

spotlight configuration, more than 90 percent of the emitted light is captured and focused. A side benefit of this is a reduction of "casting," a phenomenon that occurs when the light "spills" around the light source. Often times, when surrounded by water, snow or other reflective surfaces, the light spillage will cause "casting" which effectively prevents the human eye from adjusting and seeing the objects at distance the spotlight was used to see.

LUX Measurements: In SPOT

At The Lens: 187,500

At 10 Ft: 5,080

At 15 Ft: 3,560

Lens Temp: 144 Degrees F

Head Temp: 101 Degrees F

Lux Measurements: In FLOOD

At the Lens: 115,100

At 10 Ft: 1,890

At 15 Ft: 1,188

Lens Temp: 165 Degrees F

Head Temp: 108 Degrees F



Picture above shows the light in spot mode. During this shooting, the beam clearly illuminates targets at over 2800 feet from the source. The house at the bend in the street that is lit by the light is 850 yards from the source, with plenty of beam to spare. The beam is tight and there is very little casting in the proximity to the light itself. This helps the human eye adjust to targets at distance, when the light isn't spilling all around ground on the source.



The picture above shows the light in flood mode. This handheld HID spotlight can adjust from a very narrow spot to a very wide beam. The widest beam is shown here. The flood beam in its very wide flood mode is 80 feet long and 175 feet wide. However, the operator can choose any beam type between the 2 extremes shown in the 2 pictures above. The operator can lift the locking tab behind the lamp housing and rotate the lamp head. Rotating the housing enables the operator to adjust the beam from a wide, soft flood pattern to a tight, spot beam to goes out 2800 feet. Continued rotation to the extreme disconnects the lamp head from the handle assembly, enabling the operator to replace the bulb when necessary.



Read the Wild Hog Hunters review of this light.

This ultra-durable handheld spotlight weighs only 13 ounces, which makes it easy to carry and operate. The unit is balanced for ergonomic comfort and handling. The ergonomic handle is 4.5 inches long, 1.5 inches deep and 5/8 inch thick, making it easy to hold, even in wet, slipper conditions. The nylon handle has a no-slip textured surface to improve grip as well.

The booted push button switch is conveniently placed so the user can easily access the switch with their fore finger for quick on/off action.

We have changed the wiring and the plug on the current model. Internally, we added 2 strain reliefs and a wire tie. Externally, we modified the coiled cord setup. The previous coiled cord had a multi-layer jacket. We have switched to a single SPT-2 jacket, bringing the cord all the way into the Deutsch plug terminals. This should prevent any failure issues that occur when the operator feels compelled to stretch the cord beyond its limit repeatedly. For those of you needing longer cords, we now offer the C-25CP as an optional accessory, which is a 25 foot straight cord, with heavy jacket and molded cigarette plug.

We have abandoned the multi-spring Asian made cigarette plugs and went back to a US made plug that we attach by hand to the coil cords. Optional accessory straight cords have a similar plug that is actually molded on the end of the wire. The cigarette plugs are a single spring design, which actually holds much tighter in the socket. We couldn't find a multi-spring plug that didn't wiggle easily out of the socket. The plugs we use now fit tightly into the socket and some work will be required to remove them. In this way, the operator won't be struggling with the light blinking on and off every time they move the cord.

A quick note about coil cords. They are measured by their fully stretched length. In this case, we ship this light with a 16 foot coil cord. Coil cords are handy, because their coiled length is shorter and more manageable than a straight

cord. However, if you do stretch them to their limit repeatedly, over time the coils will stretch out. At that point, they become more difficult to manage than straight cords. We offer heavy jacketed straight cords as optional accessories that are terminated with spring battery clamps, cigarette plugs, battery ring terminals, NATO connectors and Hubbell plugs.

A 3/8-16 inch brass nut fixture is imbedded in the base of the handle enabling the operator to mount a magnetic base, like our MM-2 or MM-5 to the light. Alternatively, the operator can tripod mount this spotlight as well.

The Magnalight spotlight is designed for easy field maintenance. Simple internal connectors are accessed through the snap in base at the bottom of the handle. The lamp housing is easily removed to access the bulb and wiring. No tools are required to change any part of the light, including the bulb. This Magnalight is truly field serviceable, without tools under any conditions.

This Magnalight spotlight has a lanyard attachment at the top of the handle for users that want to secure the light in the event they lose their grip.

Each Magnalight comes with a detachable 16 foot coil cord with cigarette plug. The cord is detached via a weatherproof, 2 pin Deutsch connector which easily and securely attaches and detaches the coil cord from the spotlight. Other cords, including 21 foot cords with ring terminals, 21 foot cord with spring battery clamps (alligator clips) and a 16 foot straight cord with cigarette plug are available.



The HL-85-HID is a light that has become very popular in various types of hunting.



The materials used in the construction of the light are UV, water, impact and chemical resistant.

This Magnalight handheld spotlight draws 4.8 amps to start for 60 seconds and then pulls 3.3 amps to run.

This light can be configured to operate on voltages ranging from 12 to 32 volts DC. The multi-voltage ballast will accept 12 volts, 24 volts. Thus, operators can run this light on their 12 volt consumer vehicles or 24 volt military vehicles with no adjustments to its configuration.

We now offer a 5 inch diameter and a 7 inch diameter lens. Although the difference is not significant, the 5 inch lens makes for a tighter spot beam. The 7 inch lens makes a wider coverage flood pattern.

CE CERTIFIED

Part #: [HL-85-HID \(1908\)](#)