

High Intensity Discharge (HID)



What is HID?

The light in a High Intensity Discharge (HID) worklamp is produced by an arc in a small gas filled quartz tube. HID, also known as 'gas discharge technology', offers many advantages over halogen lighting: a longer life, reduced heat, and a colour temperature that is closer to natural daylight.

OE Support

Nordic lights are installed as original equipment by a number of leading manufacturers such as Caterpillar, Komatsu, Liebherr and Tamrock.

Tough as Nails

The Nordic HID lamps are designed to withstand the rugged environment of the mining, drilling and earth moving industries, with a light output that allows your equipment to meet ISO standards for lighting.

Handle High Pressure and Temperature Changes

Nordic lamps can withstand high pressure cleaning and sudden changes of temperature - from hot working conditions into a bucket of ice without the lens cracking.

No Fuses or Relays

Nordic HID worklights don't require external fuses or relays.

Unique Serial Numbers

Each lamp has its own serial number for unique identification and tracking.

Voltage Protection

Units are reverse polarity and over / under voltage protected.

On-Site Lighting Assessment Service

At your request (and where possible), one of PJJ's experienced staff will inspect your machines, analyse their lighting requirements, and design a solution to suit your budget. For each machine you will receive a written description of the placement and part number of each light recommended.

More Features

High Intensity Discharge offers many advantages over halogen lighting: a longer life, reduced heat, and a colour temperature that is closer to natural daylight.

Extended Life

The light is produced by an arc in a small gas filled quartz tube. With no filament to break, the average life of a gas discharge lamp is 5000 hours (depending on the switching cycle). This is about 10 times the life of a standard halogen bulb in which an electric current is passed through a filament to make it glow.

Less Energy, More Light

In halogen bulbs, up to 70% of the power input is wasted as heat. The unique no filament gas discharge lamp converts more of the electrical energy into light, rather than heat, consuming less power. One 35 watt HID lamp produces as much luminous flux as two 100W halogen bulbs for only 1/3 of the power consumption.

Their low power consumption eliminates the need for expensive high output alternators and reduces both fuel consumption and the problem of starter failure due to low batteries.

Better Light

Very similar to daylight in its colour rendering, HID technology makes seeing easier and more comfortable. The brighter, more natural, lighting reduces operator fatigue, creating a safer working environment for the machine operators and anyone else nearby.



Heavy duty 5000hr* 35W bulb.