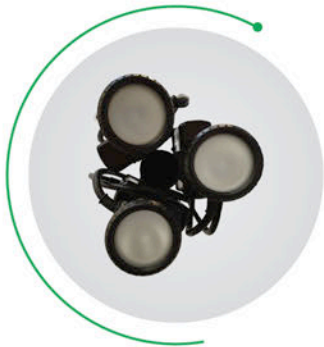




UNDERGROUND SOLUTIONS



### Ex ia Zone 0

The **Ex ia Zone 0** Area Light is a specialised Intrinsically safe Hazardous area luminaire for use in Zone 0 applications underground at the rock face. It consists of three 3W LED lamps with special optics for area distribution. It is designed to be hung on roof bolts spaced according to the installation manual. The Ex ia Zone 0 Area Light continues the proud heritage of NORDLAND LIGHTING's quality standards.

**Application:** Zone 0 Ex ia Areas

**Ex-mark:** Ex ia I/II C T4

**Body:** Manufactured from injection moulded Polycarbonate and housed in a powder coated Mild steel cage.

**Optic:** LED's are diffused and spread with special optics for area lighting.

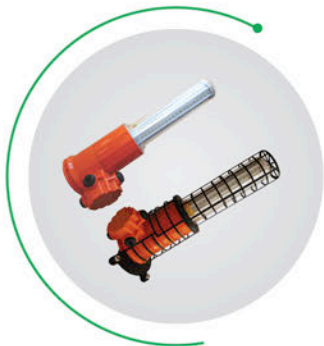
**Lamps:** Consists of three 3W LED lamps.

**Control Gear:** Electronic control gear running from Battery power to supply the LED's with power constantly for 30 hours on a full charge.

**Charging:** Charges from a standard Cap Lamp charger.

**Mounting:** The cage houses a permanent hook for hanging the luminaire on roof bolts. The installation is done by elevating the light with a charge stick to the mounting point.

**Ingress Protection Rating:** IP68



### EzeSafe - Ex d

The **EzeSafe - Ex d** luminaire is certified for Zone 1 & 2 hazardous areas and designed to provide superb light distribution with its specially placed array of LED's and clear polycarbonate lens. The robust water and dust proof design makes the luminaire suitable for underground and surface areas. The luminaire can be supplied pre-wired on Steel Wire Armoured (SWA) cable in various spacings and cable lengths to suit any customers need. The EzeSafe - Ex d continues the proud heritage of NORDLAND LIGHTING's quality standards.

**Applications:** Zone 1 & 2 hazardous areas. Haulage, Walkway, Conveyor, Substation, Wash Bay & Underground roadway Lighting

**Housing:** Body manufactured from polycarbonate with a UV stabilized smooth clear flame retardant polycarbonate lens. The clear lens allows for maximum 360° light output.

**Gasket:** The rubber gasket between the lens and body provides a IP66 seal.

**Steel Cage:** Available separately on request.

**Lamps:** Available in T8 fluorescent lamps, PL compact fluorescent lamps, T8 LED tubes and a 22W LED option.

**Control Gear:**

**LED:** 12VDC, 24VDC, 30VAC - 36VAC, 100VAC/250VAC, 50/60Hz

**Mounting:** The installation is done via a power connection box.

**Rated Lifetime:** LED Rated 50 000 Hr.



### Ezelite

The **Ezelite** luminaire has a robust water and dust proof design which makes it suitable for use in underground and surface areas. It provides excellent 360° light output through the clear UV stabilized polycarbonate lens. The luminaire can be supplied with a lead and 5 amp plug in various lengths to suit any customers need. The Ezelite continues the proud heritage of NORDLAND LIGHTING's quality standards.

**Applications:** Haulage, Walkway, Conveyor, Substation, Wash Bay & Underground roadway Lighting.

**Housing:** Body manufactured from polycarbonate with a UV stabilized smooth clear polycarbonate lens. The clear lens allows for maximum 360° light output.

**Gasket:** The rubber gasket between the lens and body provides a IP66 seal.

**Lamps:** Available in T8 fluorescent lamps, PL compact

fluorescent lamps and T8 LED tubes.

**Control Gear:**

**Fluorescent and Energy Savers:** 12V DC, 24V DC, 24V AC, 32V AC, 110V-220V AC, 50/60Hz

**LED:** 110V DC, 90V-220V AC, 50/60Hz

**Connection:** Connect using slide plate junction box, 5 amp plug or direct into other junction



### MiniLite - LED Double

The **MiniLite - LED Double** continues the proud heritage of NORDLAND LIGHTING's Ex safety standards whilst utilizing the latest technology.

The MiniLite - LED Double water and dust proof luminaire, consists of a polycarbonate body with UV stabilized polycarbonate lenses and is attached to the main body, allowing maximum light output.

Available in double 12W GU10 LED corn globes.

Rubber gaskets are fitted between the lenses and main body to ensure the IP66 protection rating.

Voltage Rating from 110V to 220V AC.

The installation is done via a power connection box and is suitable for all non-hazardous underground and surface areas.

Applications include Lighting for Haulage, Walkway, Conveyor Belts, Sub Stations and Wash Bay areas.

The luminaire can be prewired to any configuration, to suite any specific area.



### MiniLite - LED

**PLEASE NOTE:** To ensure a proper connection, make sure the feeler lines are aligned.

The **MiniLite - LED** luminaire is designed to provide superb light distribution with its specially placed array of LED's and clear polycarbonate lens. The robust water and dust proof design makes the luminaire suitable for underground and surface areas. It has built-in Anti-Theft electronics that ensures the MiniLite - LED will only function while connected to a paired power connection box. The MiniLite - LED can be supplied pre-wired on Steel Wire Armoured (SWA) cable in various spacings and cable lengths to suit any customers need.

**Applications:** Haulage, Walkway, Conveyor, Substation & Wash Bay Lighting

**Housing:** Body manufactured from polycarbonate with a UV stabilized smooth clear polycarbonate lens, fitted into the body. The body is fitted with 6 steel screws which hold the lens in position.

**Gasket:** The rubber gasket between the lens and body provides a IP65 seal.

**Control Gear:** Constant Current LED driver 12VDC, 24VDC,

30VAC - 36VAC & 100V/240VAC, 50/60Hz

**Mounting:** The MiniLite installation is done via a power connection box.

**Anti-Theft:** The MiniLite is fitted with electronics that pair with a power connection box. This ensures that the MiniLite will only function while connected to said power box.

**Emergency mode:** Emergency option available on request.

**Rated Lifetime:** 50 000 Hr.



### Minilite - Charge

The **Minilite - Charge** is a specialised rechargeable luminaire for use in areas where portable light is needed for extended periods. It consists of a 3.8W LED lamp for area distribution in dark unpowered areas. It is suitable for mounting or hanging using the hook supplied. It's fast recharge time (12 hours to charge to full) will provide the Minilite-Charge with enough power to run uninterrupted for 10 hours.

**Application:** Unpowered areas where light is needed for long periods of time

**Housing:** Body manufactured from polycarbonate with a UV stabilized smooth clear polycarbonate lens, fitted into the body. The body is fitted with 6 steel screws which hold the lens in position.

**Gasket:** The rubber gasket between the lens and body provides a IP65 seal.

**Optic:** LEDs are spaced in an array and spread for area lighting

(180°).

**Control Gear:** Electronic control gear running from Battery power to supply the LEDs with power constantly for up to 10 hours on a full charge.

**Mounting:** The body houses a permanent hook for hanging the luminaire.

The **Minilite - Charge** continues the proud heritage of NORDLAND LIGHTING's safety standards whilst utilizing the latest technology.