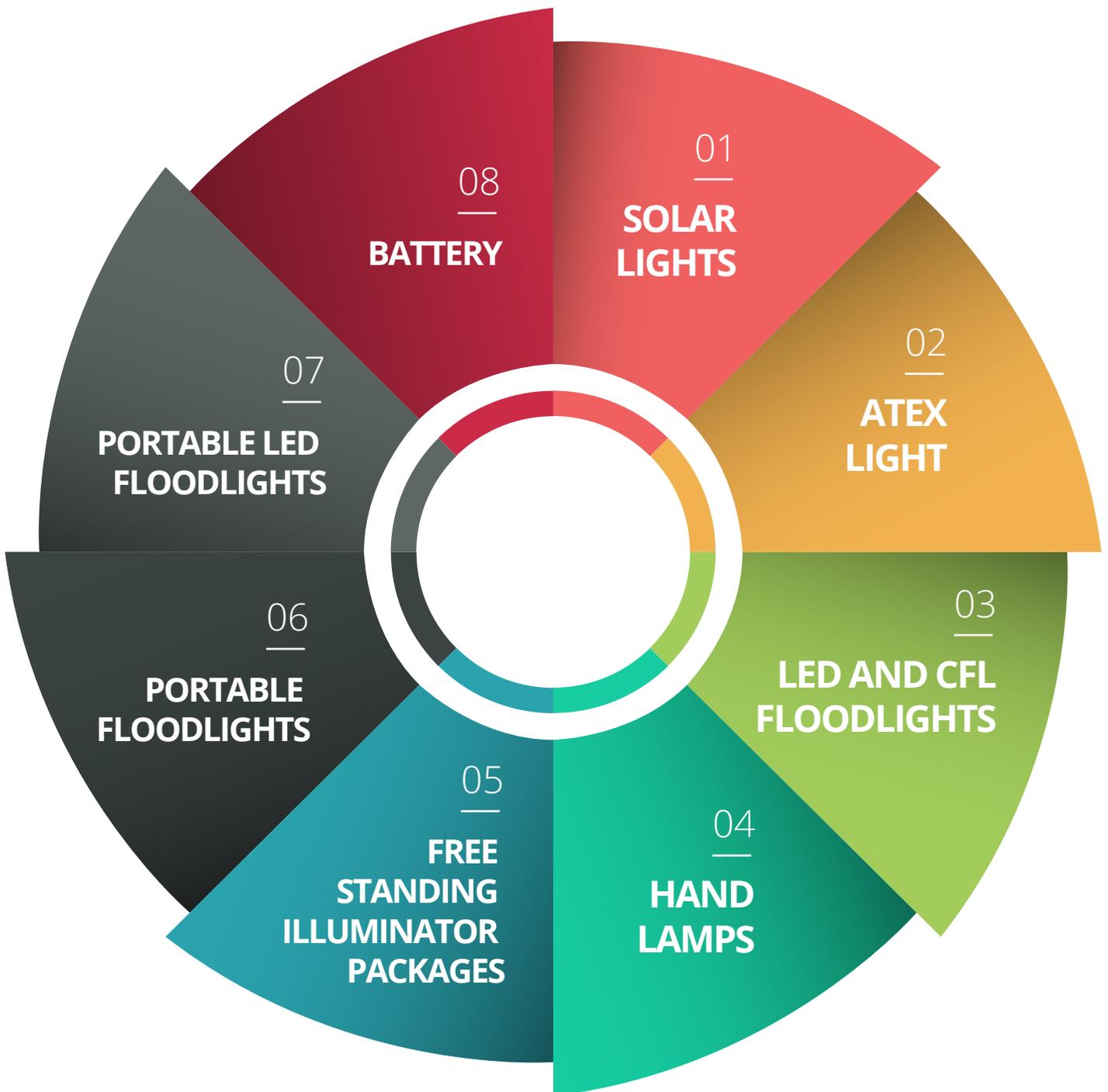


Lighting Products



We have eight (8) different lighting product categories, with reduced maintenance requirements and efficient lighting, for industrial and commercial use:





1. Solar Lights

Solar lights store sunlight in the day for illumination at night. Our Solar lights, which consists a solar panel, battery, light fixture, controller and pole, come in two (2) categories: **All-in-one and split**. They can either function in eco mode, where the lights shine at 30% brightness at sunset and automatically switch to 100% when the in-built sensors detect any motion, or in time mode where the controller detects the voltage of the battery and decides what output would last the duration of the set application time.

i. All-in-one

These are intelligent outdoor streetlights containing a solar panel, controller, infrared sensor module, high-capacity lithium battery and LED lighting. All of which are contained in a single compartment, hence the term "All-in-one".

The All-in-ones are lightweight solar lights with lithium battery to prolong battery life. They are easy to assemble, install and are also rust and waterproof. They are suitable for side streets with minimal traffic, squares and parking spaces.





ii. Split

These models consist of the following separated parts:

- **Solar Panel:** Durable and moisture proof devices constructed from 36 to 72 individually tested crystalline cells, before being built into protective module structure for optimal performance. The cells are protected by high transmission tempered glass and high strength polymer sheet.



- **High power LED Lighting:** Lights with efficient CREE or Bridgelux > 140lm/W LED chip designed for heat resistance, low light degradation, long life and efficiency.

- **Batteries:** Our batteries do not exhibit unpredictable charging and erratic temperatures. We acknowledge that it may be difficult to choose the right battery for your solar systems, so we also provide expert advice on choosing the battery that suits your application.





- **Solar Charge Controllers:** They monitor and control power in and out of the battery. Also, they regulate illumination during day and night. Our controllers contain a rare combination of LED drivers and controllers for easy maintenance.



- **Pole & Solar Panel Support:** Our Poles are 100% anti-corrosive and detachable. They are made of heavy steel but are easy to install and do not require welding.

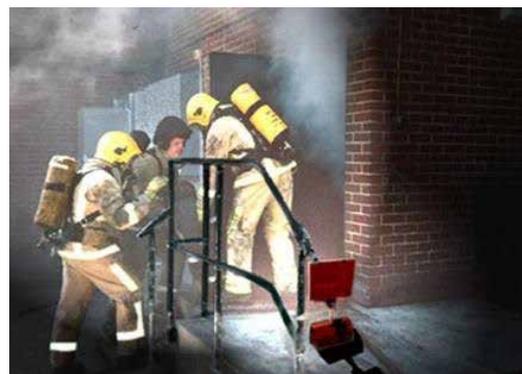
They are suitable for general lighting purposes in places such as streets, roadways, remote areas, military base, side walks, private roads, campus, farms, parks and so on.





2. Atex Light

These are lightweight and low voltage operation floodlights designed for use under potentially explosive atmospheres where gas, dust or other inflammable elements could be exposed. With a product lifespan of about 10,000 hours exclusive of maintenance, they have a battery life of up to 12 hours when fully charged.





3. LED and CFL Floodlights

They are made from high-pressure die-cast aluminium, fitted with polycarbonate lens and are IP68 (fully waterproof), which makes them robust and durable, while ensuring safe operation in confined areas. These floodlights have exceptional colour rendering index and nominal shadowing, thus making them suitable for critical tasks such as medical use and general lighting applications. The product range consists of 2000, 3000 and 5000 Lumens models.





4. Hand Lamps

- **Halogen Rechargeable Hand lamps:** These hand lamps are supplied with x-cell rechargeable battery and charging leads. They are shockproof, water resistant and beam beyond 1/2 mile. They can withstand up to 3000 recharges and do not require additional transformers, adaptors or special handling but charge directly from mains and low voltage supply. These halogen hand lamps are also a winner of the UK Government '**Green Product Award**'.
- **HRX Series Hand lamps:** The HRX hand lamps are rechargeable and capable of full and half power operation for extended use. Easily mounted on wall or vehicle, they are watertight (made from heavy duty polyamide), shock and vibration proof. They are particularly used in emergency services, petroleum industry, chemical and processing industry & aerospace. It is available in 42, 78 and 205 Lumens models.





5. Free Standing Illuminator Packages

The illuminator package can easily fit into a car or small van. They are a one-person operation, zero gas pollution and battery powered device that can operate from 600va silent generator. They consist of up to 20 LED or CFL high power light heads and are ultra-efficient and strong.

The package could either be a standard generator powered illuminator system (which has 10 LED or CFL floodlights but can operate up to 20) or a standard battery powered illuminator system (which has 10 LED 5000 Lumen Floodlights).

They are specially made for use during building and construction. Utility companies, network rails & emergency services also utilise them.





6. Portable Floodlights

Fitted with user replaceable lamps that can last up to 10,000 hours' lifespan, these portable floodlights can be described as waterproof daylight equivalence shadow-free lighting devices. They are available in 200 and 300 lumens models.

They have a light output of about 12 hours when fully charged and can be fitted with extension masts for raised operation. Extensions masts are available in 0.85M, 1.5M and 2.0M. These portable floodlights are low voltage, lightweight, silent and without fumes when in use. They do not incur further operating cost and are completely serviceable.





7. Portable LED Floodlights

These floodlights can last up to 36 hours when fully charged. They have illumination of day-light equivalence, are waterproof and run devoid of operating cost and exuding fume. Also available in 2000, 3000 and 5000 lumens models and can be used with extension masts.





8. Battery

These Rechargeable lantern batteries can charge from mains and low voltage supplies (including cars). The batteries are capable of withstanding up to 3,000 recharges and their chargers are built-in.

They are the only rechargeable replacement for 6v PJ996 lantern batteries, winning the UK Government Green Product Award. The batteries can neither leak nor damage from over-charging or discharging.

They are perfect for use at building and construction, manufacturing firms and emergency service purposes.



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