



A

Asymmetric Light Pattern

The Asymmetric light pattern reduces glare by dispersing the light beam forward & down from the lamp centre line, so the light is more focused toward the ground. This is useful when you want to concentrate the light beam on a particular place of work rather than a wide area.

B

Brackets

There are many positions where work lights can be installed on machinery. To accommodate these fittings, TYRI lights have numerous bracket options available to suit your needs. From hanging to standing, Dampened to un-dampened, or a customised solution, we can help.

C

Connectors

TYRI lights are available with a wide range of connector options to help you equip your vehicle with the perfect lighting solution.



D

Dampened Housing

Dampened housing gives protection from high impact environments, cushioning vibrations to avoid damage being caused to the light. TYRI also provide dampened brackets to compliment the Dampened housing range of lights

E

Electromagnetic Compatibility (EMC)

TYRI work lights comply with EMC ratings CISPR25 & EN55025. EN55025/CISPR25 - outlines limits & methods of measurement of radio disturbance characteristics for the protection of receivers used on board vehicles.

F

Friendly to the Environment

TYRI are committed to environmentally friendly design. We use quality materials, design our lighting to allow for easy disassembly & reusable parts are labelled. All of our waste electronics are ground down & the recyclable metals are extracted. We have been awarded ISO 14001 & are RoHS compliant.

G

Guards for Lenses

Lens guards provide additional protection, durability & a more rugged appearance. The TYRI Lens guard is available on various 1010 models



H

Halogen

TYRI Halogen work lights are designed to meet the requirements of the off highway & related OEM sectors. The housing of the lights is available in rugged nylon & a dampened shock resistant design is available to ensure a long life under tough, rugged conditions.

I

IP Rating

IP ratings classify the degree of protection provided against ingress from dust or water. TYRI work lights are rated IP69K.

IP69K - Protected from total dust ingress & protected from steam-jet cleaning.

J

Just how you like it - Customisation

TYRI is able to make small modifications as well as design a completely new work light & bracket specifically for your machine.

K

Kelvin Temperature

LED work lights, designed by TYRI, typically emit a light with 5700°K colour temperature. This is near the colour spectrum of the mid-day sun, & so allows the human eye to function & view objects better.

L

Lumen Values

Often listed as theoretical, this explains what light output you could receive if nothing impacted the light, such as optics or heat; in reality, this is not the case. The effective lumen value is the more precise reading & is what should be taken into consideration.

M

Maintenance

With no filament or moving parts & lasting for up to 40,000 hours*, LED's have a life term to match that of your machine; meaning maintenance is reduced along with machine downtime due to lighting repairs.

N

Nominal Amp Draw

LED's draw less power than Halogen's reducing the strain on your machine battery. This ensures more power is available for other applications such as GPS, onboard computers or more lighting to the area around your machine, all, in most cases, without increasing the capacity of your alternator.



O

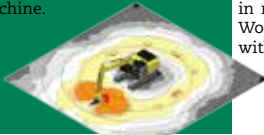
Optics & Lenses

While bulbs radiate light over 360 degrees, LED's provide a much narrower light beam & need to be complemented with specifically designed optics, lens & in some cases reflectors. Without these key components, LED lighting will generally show some 'black spots', uneven light-spread & narrow light beam, not ideal for general lighting.

P

Photometric Analysis

Using state of the art software, TYRI lighting engineers are able to fully demonstrate how light will be dispersed around your machine.



Q

Quite a Cost Saving

Although the initial cost is higher, LED's offer reduced energy use, which decreases running costs & helps prevent downtime & loss in revenues. Expenditure for LED Worklights are repaid, on average within 24 months.

R

Research & Development

TYRI research & development department, based in Sweden, is on the cutting edge of lighting technology. We lead the way in designing new & innovative lighting solutions which perform to your exact requirements.

S

Salt Spray

TYRI Lights undergo rigorous salt spray testing to ensure they are approved to ASTM B117 standards. This ensures that even in corrosive environments, TYRI Lights will continue to perform.



T

Thermal Management

TYRI lights have built in temperature sensing circuits which reduce the output to regulate the temperature of the light. This prevents damage to the LED's that can result in premature failure.

U

UL Rating

UL is a global leader in providing accreditations for safety & quality. To attain & maintain this seal of approval, TYRI products have been tested to ensure they meet both safety & quality standards laid out in UL's comprehensive guidelines.

V

Vibration & Shock

TYRI Lights undergo extensive vibration & shock testing, for up to 8 hours on all axes, with up to 50G force of pressure. This simulates the forces applied to the lights once mounted on off highway machines.



W

Warranty

TYRI warrants its LED work lights against defects in material & workmanship to the original retail purchaser only, for 5 calendar years or 40,000 hours, whichever occurs first from the date of manufacture.

X

Xenon (HID)

TYRI's HID models are designed with an integrated ballast, providing a cleaner & more compact appearance. HID's produce four to five times greater light, consume less power than halogen lights, & creates a colour spectrum closer to daylight than halogen technology.

Y

Yellow Light vs. White Light

TYRI LED work lights typically emit a light with 5700°K colour temperature. This is near the colour spectrum of the mid-day sun, so allows the human eye to function & view objects better. Halogen lights emit a yellow light, which can cause eye fatigue.

Z

Zone Lighting

The positioning of work lights, play an important part in visibility. Too much light near to the machine can cause 'black spots', whereas, evenly dispersed light around the machine allows operators to see further ahead. This illuminates the work area & 360° around the machine to watch for colleagues as well as obstructions.



*40,000 hours is reference to the LED manufacture statement, based on test conditions & does not represent a statement of warranty.