



ARE ALL LED WORK LIGHTS EQUAL?

TYRI manufactures work lights to the highest quality, so you have the utmost confidence that our lighting will stand up to punishing regimes. However, with the variety of LED work lights and options available in the market, choosing the correct light for your application can be confusing, so the choice is often decided by price. Unfortunately, not all LED work lights are the same; low cost LED's are frequently manufactured with low cost components and a lack of quality control. This could mean that the level of brightness, colour spectrum and expected lifespan may not meet your expectations for the application.

LUMEN OUTPUT:

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 of the light in use, and is what should be taken into consideration. This is the value that TYRI list in all our communications.

IP RATING:

IP ratings classify the degree of protection provided against ingress from dust or water. Most quality products will have an IP rating of IP67 or IP69K. The definitions of these categories are:

- **IP67** - Protected from total dust ingress and protected from immersion between 15 centimetres and 1 meter in depth.
- **IP69K** - Protected from total dust ingress and protected from steam-jet cleaning.

TYRI work lights are awarded with IP69K ratings, giving you peace of mind that our lights will continue to function even in dusty or wet environments.

FALSE QUALITY STATEMENTS:

Some work lights will claim they use Cree LED's or other well known parts, to give you a false sense of superiority. However, although this may be true, the remaining components in the work light will be of a substandard quality to keep the cost low. TYRI only uses quality components, ensuring the lights are manufactured to the highest of standards.

EMC:

All work lights emit an electronic field which can interfere with other systems. Testing to ensure your work light's electronic field remains at a near undetectable level is essential to ensure all electronic devices on your vehicle function correctly. TYRI work lights are EN55025/CISPR 25 approved. These ratings outline limits & methods of measurement of radio disturbance characteristics for the protection of receivers used on board vehicles.

HOUSING:

Low cost lights look to reduce production costs wherever possible. Plastic moulding is much cheaper than aluminium and is often substituted as a more cost effective option. However, quality control within low cost lighting production can lead to more faults being found by the customer. TYRI lights are manufactured with cast aluminium dampened housing to protect your investment. We have stringent quality processes to correct faults prior to product shipment and robust warranty cover.

CONNECTORS:

Some low cost LED work lights will have a spade connector rather than a Deutsch connector. The spade connector is less expensive but also less reliable than a Deutsch connector. It can allow water to ingress the connection and therefore prevent the light from working. All TYRI lights are supplied with Deutsch connectors.

LIGHT PATTERN:

Light patterns are not a "one size fits all" solution; they make a variety of different diffusion options possible. For example, a light pattern on a forklift warning light provides a narrow spot pattern; perfect for shining a square of colour on the floor behind a vehicle. However, this light pattern will not be as effective mounted on an excavator. The beam needed for an excavator is a broader pattern to illuminate a large area, such as an Asymmetric or Symmetric pattern. Using our expertise, TYRI advise our customers on the correct light pattern for their application. We ensure you have the most effective lighting to meet your needs.

TYRI HAS ONE OF THE BROADEST RANGES OF WORK LIGHTS AVAILABLE. THEY CAN BE SUPPLIED WITH REPLACEMENT LENSES, ACCESSORIES AND NUMEROUS BRACKETS TO SUIT YOUR NEEDS. MANUFACTURED IN ISO ACCREDITED FACILITIES, THEY ARE TESTED TO ACHIEVE IP69K AND CISPR25/EN55025. THEY ALSO UNDERGO NUMEROUS ENVIRONMENTAL TESTS FOR TEMPERATURE, VIBRATION AND SALT SPRAY RESISTANCE.