

RELIABILITY IS CRITICAL

RELIABLE FORKLIFT WARNING LIGHTS COST MORE—BUT YOU CAN COUNT ON THEM

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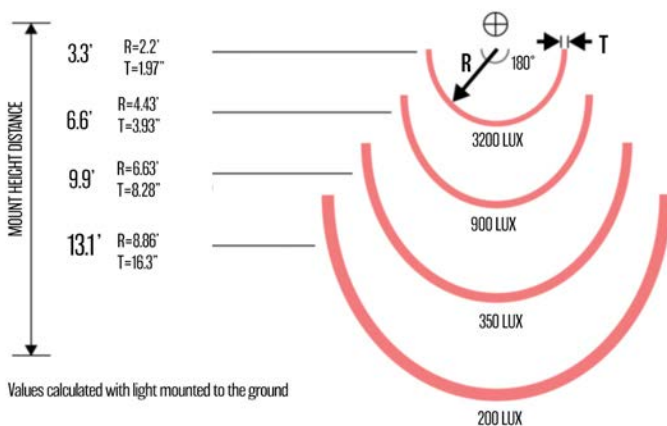
“Cheap lights might cost you plenty. People rely on these lights to see forklifts coming out of a trailer, between rack aisles, from overhead doors or other low-visibility areas.

To be safe, forklift lights must work constantly every day for years and years. The reason we supply only high-quality lights is that cheap ones are dimmer and need replacement more often—they're less safe because they're less reliable.”

—Susan, Employee-Owner Since 2010
Safety Automation Group

shop **talk**

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Above: Lux ratings for arc light projection systems. The closer the arc to the projector, the higher the rating.

#1: FOCUS ON LUX RATINGS, NOT LUMENS

Effective visibility is measured by lux—“the amount of perceivable light projected onto a surface”—meaning the ground. Lumens only measure the power of the projector, not the intensity of the projection. **The better the lux rating, the brighter the light on the floor.** We recommend 830+ Lux (on the ground). Most lower quality lights can't project that brightly.

#2: DEMAND A LIFETIME WARRANTY



Long warranties are a sign of reliability. Some cheap lights have no warranty at all; others just a year. Even four years is probably too short for critical safety equipment like forklift lights.



#3: INSIST ON EXCELLENT HEAT DISSIPATION

Contrary to popular belief, LED bulbs do generate heat—less heat than halogen or fluorescent bulbs—but still hot in tight housings. **Cheap lights that don't adequately dissipate heat will dim and won't last.** Well-designed housings, good circuit boards and heat exchangers make lights last longer and increase that all-important reliability.



Above: Regulatory compliances for 777 series lights include ECE Reg 10, IEC IP67, IEC IP69K, SAE J1113-13 and SAE J1455



#4: CHOOSE HIGH VOLTAGE RANGE LIGHTS TO REDUCE PARTS MANAGEMENT COMPLICATIONS

Lower voltage means your light will not work with a full range of vehicles. With at least 72V, you've only got one part to manage for an entire fleet, including most AGVs and forklifts. Don't accept lights in the 12-48V DC range.

#5: GOOD LIGHTS ARE POWER-EFFICIENT

Lower power consumption is better to avoid straining a forklift's electrical system.



Even if the lights are used on forklifts that run mostly indoors, they should have excellent IP ratings to withstand washdown or other pressurized moisture or debris. Better ratings indicate a higher quality light.

#6: SPECIFY IP RATING IP69K

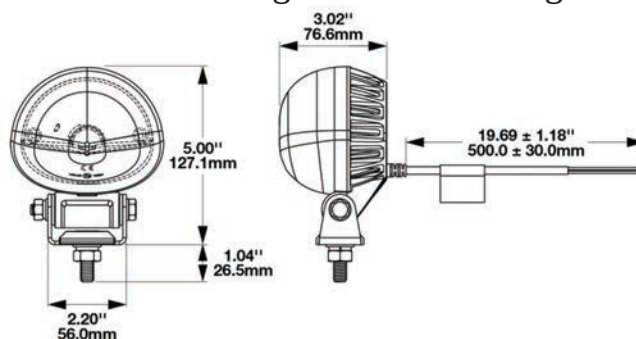
IP ratings define debris and moisture sealing effectiveness. Average spotlights are IP67 or IP68 with IP54 for low-end units. With IP69K ratings, your lights resist washdown and other moisture/debris exposure.

#7: INSIST ON UL RECOGNITION

Because UL recognition ensures quality components and safe practices, you should insist on it.

#8: SMALLER IS BETTER

Compact packaging means less chance for incidental contact between the light and its surroundings.



Above: Dimensions for 777RED-LED-ARC. Smaller, well-sealed, heat-dissipating cases makes the light more reliable and less likely to sustain damage.

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