

PORTABLE LIGHTING FACT SHEET

Towable light towers have been the de facto standard for illuminating nighttime work and emergency scenes for the past 50 years. But the fact is, they don't do a great job. The height of the tower is limited to about 25' and its inherent design, which requires towing, limits its ability to be placed in an optimal position. This results in light aimed across scenes that generates dangerous glare and shadows for workers, pedestrians, and motorists. This has been tolerated because there has not been a better alternative.

The advent of the ALED Portable Light changes everything. The ALED is a man-portable aerial light featuring a high-intensity LED array that is held in position by a tethered UAV. At 1/10th the size and weight of antiquated towed light towers, the ALED can be optimally placed - closer to the work AND high enough to eliminate the issues of glare and shadows - all while putting more useable light on the ground.

► LIGHTING 101

LUMENS

Measures total light being omitted, by device, regardless of the direction.

FOOT CANDLE (OR LUX)

Measures the amount of light landing on a specific area.

► HOW MUCH LIGHT DO YOU REALLY NEED?

MYTH

The more lumens the better.

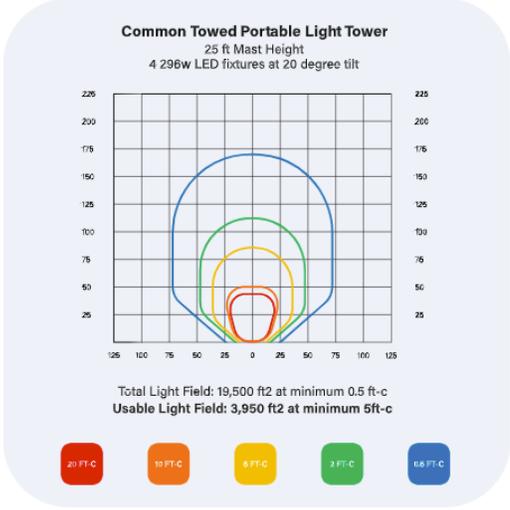
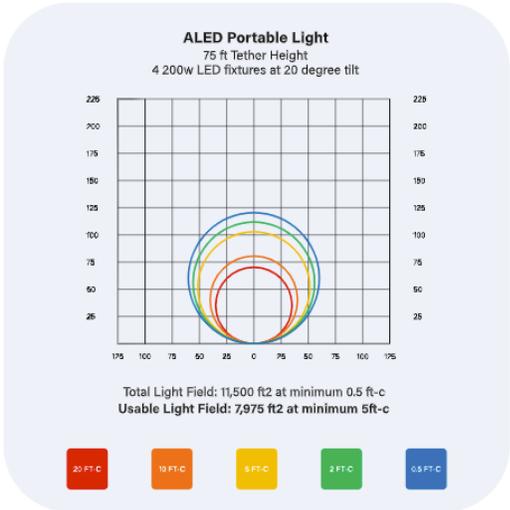
FACT

More foot candles on your scene are better. What's important is the amount of light illuminating your scene, not the amount of light leaving the source.

Recommended Illuminance (foot-candles)



▶ LIGHT COVERAGE COMPARED



The ALED provides twice the usable light with half the lumens.

	ALED	LIGHT TOWER
Lumens (LM)	100,000	240,000
Usable Light Field (Sq Ft) at 5 FT-C or greater	8,000	4,500
Brightest Light Field (Sq Ft) at 20 FT-C	150	75

▶ OPERATIONAL ADVANTAGES OF THE ALED

- Eliminates the towing requirement: more flexible deployment; less costly to maintain
- Flexible choice of power sources: small portable generator, vehicle inverter or ground/power
- Consumes less power for greener operation; can be easily paired with wind/solar solutions
- Minimal light spillage and quieter operation means less impact on wildlife and nearby homes