

Breaking The “Five to Seven Acre” Myth

Quality lighting is critical for any outdoor work that continues after the sun goes down. OSHA and other regulatory agencies have very specific light level requirements that must be met to ensure worksite safety.

Just by reading the literature or visiting the websites for most light tower manufacturers, one could easily be convinced that a typical light tower with four 1000-watt metal halide lamps will illuminate *five to seven acres* to a level of one-half foot-candle (.5 fc) or greater. Virtually all manufacturers make this claim, yet none offer any photometric data that will substantiate that kind of coverage area. The reality is that most light towers will typically only illuminate an area no greater than one acre to half a foot-candle.

Here are the facts*:

Four 1000 Watt Metal Halide in co-axial fixtures – 34,131 to 36,016 sq ft to .5 fc or greater (.78 to .82 acre) Used on: *Terex Amida, Boss*

Four 1000 Watt Metal Halide in rectangular parallel fixtures – 35,234 sq ft to .5 fc or greater (.80 acre) Used on: *Genie, Multiquip*

Four 1000 Watt Metal Halide in elliptical parallel fixtures – 43,828 sq ft to .5 fc or greater (1.00 acre) Used on: *Magnum, Wacker, Wanco*

Four 1250 Watt Metal Halide in elliptical parallel fixtures – 52,109 sq ft to .5 fc or greater (1.19 acres) Used on: *Allmand SHO-HD*

Allmand, with its SHO-HD system that is standard on all domestic four-light models, will illuminate nearly 20 percent to as much as 65 percent more area to the same level of illumination than any comparable light tower...period! Keep this in mind – more area illuminated means that fewer light towers are required for the job. This means reduced purchase or rental cost, and reduced fuel, scheduled maintenance and upkeep cost. ***Apples to apples, Allmand light towers with the SHO-HD system have the lowest purchase and operating cost per area illuminated in the industry!***

Allmand was the first manufacturer to offer metal halide lighting and parallel lamp fixtures in 1969, the first to offer compact parallel fixtures in 1998 and the first (and only) to offer the SHO-HD system with 1250 watt metal halide lamps as standard equipment on all domestic four-light towers. The competition only began to offer parallel lamp fixtures more than thirty years *after* Allmand innovation led the way, and they have still not matched Allmand's advanced lighting technology.

Allmand innovation continues to lead the industry, and Allmand backs up its claims with independent documentation. The next time anyone offers you a light tower claiming to illuminate five to seven acres to half a foot candle don't just take their word for it...ask to see the proof!

*The above data is provided by Independent Testing Laboratories, Boulder, CO and is based on four lamps 30' high, aimed 45° apart and 20° below horizontal. Photometric charts for each specific type is available on request from Allmand Bros. Inc. (308-995-4495 or info@allmand.com).