

APPLICATION BRIEF

GENERAL INDUSTRY

● **NEC**
 410.73 (F)(5)

● **OSHA**
 1926.56

● **ANSI**
 C78.387

Woodhead® Lighting Products from Molex Offer Portable Illumination for Worksites

Molex provides a wide range of cost-effective portable lighting solutions designed to create safe and well-lit work areas in a host of industrial environments.

Business Challenge: Providing Proper Illumination at Industrial Sites. Lighting industrial sites can be a huge challenge. Obstacles abound in harsh, and often hazardous, industrial settings. Some temporary worksites may lack electricity, requiring generators to provide power. In other cases, extremely high ceilings, industrial machinery and an overall rugged environment may restrict placement of lights.

Although every industrial setting may pose a different type of challenge, in all cases it is imperative for employers and general contractors to provide adequate ambient and task lighting and to position lights in such a way that workers can perform their tasks safely, effectively and comfortably.

As a leader in the manufacture of products for demanding industrial environments, Molex provides a wealth of portable lighting solutions suitable for use in:

- Manufacturing and assembly plants (worktables, welding cells, paint booths, etc.)
- Warehouses, distribution centers, loading docks
- Transportation centers and parking garages

- Commercial, industrial and residential construction sites
- Temporary field locations and applications

We offer virtually every type of portable lighting product – from handlamps to floodlights, spotlights, stringlights and wide area lighting, plus a wide range of specialty lights and accessories.

Solution: Innovative Woodhead Portable Lighting Solutions. Among the innovative Woodhead products we have developed to help the industrial marketplace solve the challenge of providing ample worksite illumination are:

400-Watt High Bay Light – An economical and highly efficient temporary lighting fixture suitable for use at construction sites, warehouses, loading docks, temporary job sites or staging areas. The easy-to-mount, high-output metal halide lamp provides clear, clean light output of 36,000 initial lumens at 4200° Kelvin color rendering. It meets OSHA 1926.56 requirements for minimum illumination of work areas when properly installed and mounted 15 ft. above 40'x40' and 60'x60' bays. It also complies with NEC 2005 410.73(F)(5) and ANSI C78.387 to ensure worker safety. Its multi-voltage style ballast operates on power supplies available at most job sites and an open-air design allows the lamp to cool efficiently and operate at optimum temperatures. The lamp's rugged construction and heavy-gauge welded and plated guard provides superior durability and protection in even the toughest environments. It is compliant to the Energy Independence and Security Act of 2007.

360° High Intensity Work Light – A ruggedly constructed cool fluorescent lamp designed to spread high-intensity light in all directions and provide workers with clear, wide-angle visibility. The lamp delivers reliable performance in a variety of work areas, such as non-hazardous paint booths, construction sites and temporary work areas. An adjustable tripod stand is

integral to the lamp assembly, which provides optimum stability and portability with no external mounting required, and the compact unit folds up compactly when not in use. Its three 32-watt T8 fluorescent lamps are cool to the touch and more suitable for indoor use than halogen worklights. The multi-functional ribbed lamp cap and PVC diffuser guard helps protect against breakage, while reducing glare. The light's rugged base provides a 10-amp unswitched convenience receptacle for use with auxiliary equipment or additional lights.

Benefits and ROI: Safer Worksites Mean More Productive Workers. Providing proper ambient and task lighting in industrial work spaces not only protects workers from injury, which is of paramount importance, but also makes good business sense. Comfortable workers can work faster, with greater confidence and efficiency. This can improve overall productivity and morale, resulting in higher profitability and worker retention.



To learn more about Woodhead® electrical products and solutions, call your Molex representative today or call 1-800-225-7724 or visit www.woodhead.com

