

## FEATURES AND SPECIFICATIONS

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# Woodhead® Wide-Area Fluorescent Light For Class I, Division 2 and Zone 2 Applications

## 130243 Wide-Area Fluorescent Light (1075-HZ2)

### *The most rugged, portable Wide-Area Fluorescent Light for Hazardous Locations on the market*

Workers in all professions face job hazards that, left unchecked, pose a serious threat to personal safety, security and productivity. These are issues that tie directly to every customer's bottom line. For many Molex customers, ignitable concentrations of flammable gases, vapors or liquids pose a serious threat to job-site safety. The Woodhead **Wide-Area Fluorescent Light for Hazardous Locations** is designed to operate safely in hazardous environments while delivering high-output light in an extremely rugged and durable fixture.

The light is certified by QPS (Quality Product Services) to Class I, Division 2 standards. QPS is a Canadian certification body nationally recognized in Canada and 6 US states.

This fixture provides task lighting for maintenance and repair operations and wide-area light in potentially hazardous locations. The enclosure is constructed of sturdy, cast aluminum and is covered with a heavy-duty, rubber-polycarbonate lens assembly that creates an impact-resistant seal keeping out moisture and contaminants.

The twin 55W fluorescent lamps are shock-mounted in front of a specular aluminum reflector that produces light equivalent to many higher-wattage units while providing superior lamp life with respect to impact, vibration and overheating.

This light has been designed with direct customer input to ensure its use meets the needs of a wide range of applications. Already accepted in Canada and several markets in the US, the pending UL Listing will provide universal acceptance in all of North America, particularly for those customers not accepting compliance via a Canadian certification body.

For additional product information, please visit: <http://www.molex.com/link/widearea.html> and <http://www.woodhead.com>.



Wide-Area Fluorescent Light For Class I, Division 2 and Zone 2 Applications

### **Features and Benefits**

- Rugged cast-aluminum enclosure with unique rubber lens-gasket assembly provides superior strength & durability, impact and corrosion resistance, simple maintenance
- Two, 55W CFL lamps (110 Watts), shock mounted, with integral aluminum reflector offers a rugged lamp design with lamp supports that will resist breakage while producing 9600 lumens
- Energy-efficient, single ballast design ensures product uses less energy; field repairs and maintenance are simplified
- Third-party certified to CSA Class I, Division 2 environments and suitable for Zone 2 Groups B, C, and D T3A temperature rating; also outdoor rated; safe in wet locations with potentially ignitable gases of all groups and meets code
- Operating range -50°C to +40°C with a cold-start temperature of -20°C or colder allows design to be used in a wide range of temperatures
- Customizable mounting clamp/handle/cord wrap and electrical cable fittings provide mounting flexibility; can use a wide range of connectors including BradPower™ for Zone 2

## SPECIFICATIONS

### **Reference Information**

Packaging: Unit or Each

QPS File No.: QFC3303-20

UL File No: Pending (available late 2009)

### **Electrical**

Voltage (max.): 120VAC-277VAC/60 Hz

Current (max.): 1.2A per fixture at 120VAC

Total Wattage: 110 Watts

Lamp Type: Compact Fluorescent PL-L 55 Watts

Ballast Type: Rapid Start, 2 lamps

### **Mechanical**

Enclosure Ratings: NEMA 3R

Weight: 15.5 lbs. without cable

### **Physical**

Housing: Cast Aluminum

Cover: Silicone Rubber and Polycarbonate

Operating Temperature:

Low: -50°C

Service: -10°C

Ambient High: +40°C

Low Temperature start: -20°C



## APPLICATIONS



# Woodhead® Wide-Area Fluorescent Light For Class 1, Division 2 and Zone 2 Applications

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Wide-Area Fluorescent Light

### Petro-Chemical and Refinery Plants



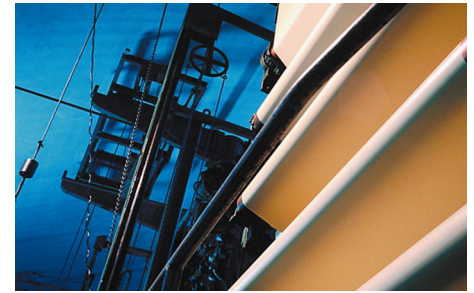
- Scaffold and Ingress/Egress Lighting
- Vessel and Tank Task Lighting

### Shipyards



- Scaffold and Area Lighting
- Confined-Space Task and Area Lighting

### Pulp and Paper



- Digester and Bleach Plant Maintenance Lighting
- Chemical Recovery Maintenance Lighting

### Utility and Gas



- Scaffold and Area Lighting
- Tunnels and Vault Areas

### Water and Waste Water Treatment



- Covered Settling Tanks
- Maintenance Task Lighting

### Aerospace



- Scaffold and Ingress/Egress Lighting
- Fuselage Construction Task and Area Lighting

## ORDERING INFORMATION

Order Number	Engineering Part Number	Description
1302430004	1075-HZ2N	No Cable or cord grips
1302430002	1075-HZ2NK143F	3' #14-3 SOW, FLYING LEADS
1302430003	1075-HZ2NK123F	3' #12-3 SOW, FLYING LEADS
1302430001	1075-HZ25A143	25' #14-3 SOW, 5-15 WTT PLUG/CONN
1302430005	1075-HZ25B143	50' #14-3 SOW, 5-15 WTT PLUG/CONN
1302430007	1075-HZ2XA143F	25' #14-3 SOW, XP PLUG/CONN
1302430008	1075-HZ2XB143F	50' #14-3 SOW, XP PLUG/CONN
1302430009	1075-HZ2XK123F	3' #12-3 SOW, XP PLUG/CONN
1301900058	33-1075	Replacement Ballast
1301910093	34-1075	Replacement Lamp 55Watt Compact Fluorescent
1302011400	50-1075	Replacement Reflector
1301890009	40-1075	Replacement Lens-Gasket Assembly- Includes Fasteners

[www.molex.com/link/widearea.html](http://www.molex.com/link/widearea.html)

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