



Delivering NEMA-3 protection with superior 5270-lumen output, the Woodhead® Wide-Area Portable LED Light for Class I Division 2 locations ensures reliability in harsh environments when visibility is critical

Ignitable concentrations of flammable gases, vapors or liquids pose a serious threat to job-site safety. The Woodhead® Wide-Area Portable LED Light for Class I, Division 2 Locations is designed to operate safely in these environments while delivering high-output LED light in an extremely rugged and durable fixture.

This fixture provides task lighting for maintenance and repair operations and wide-area light in potentially hazardous locations.

This light is certified by Quality Product Services (QPS) to Class I, Division 2 standards. QPS is a Canadian certification body nationally recognized in Canada and listed as a NRTL (Nationally Recognized Testing Laboratory) in the United States by OSHA in accordance with 29 CFR 1910.7.

Features and Benefits

| | |
|--|--|
| Rugged cast-aluminum enclosure with durable rubber lens-gasket assembly | Ensures superior strength and durability compared to competitors' extruded aluminum housing. Highly resistant to shock and vibration. Impact and corrosion resistant |
| LED-array light source with array holder | Delivers 5270-lumen output lasting 50,000 hours. Provides instant-on capability in extreme temperatures. Energy efficient. Shock and vibration resistant. Contains no mercury, eliminating lamp disposal costs |
| Third-party certified to CSA Class I, Division 2, Groups B, C and D requirements; T4A temperature rating, NEMA Type 3 enclosure rating for wet locations | Provides code compliance in environments with potentially ignitable gases present |
| Designed for extreme operating temperature ranges of -40 to +40°C | Operates in extreme temperatures where many lights are not capable of working. Ensures site is safely illuminated |
| Versatile mounting clamp/handle/ cord wrap and a variety of electrical cable options, including Brad® Power Cordsets and Receptacles (for Zone 2 environments) | Provides connections and mounting flexibility to suit multiple applications |
| Color temperature of 5100K and CRI of 87 | Causes less fatigue and allows for better color differentiation than alternate light sources |

Woodhead® Wide-Area Portable LED Light for Class I, Division 2 Locations
130243 Hazardous-Duty Wide-Area Light



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Specifications

Reference Information

Packaging: Box
QPS File No.: LR1111-2
RoHS: Yes
Halogen Free: Yes
Hazardous Classification:
Class I, Div. 2, Groups B, C, D
T Rating: T4A/+120°C

Electrical

Voltage (max.):
120 to 277V; 50/60 Hz
Current (max.): 0.67 to 0.34A

Environmental

Enclosure Rating:
NEMA 3 indoor/outdoor

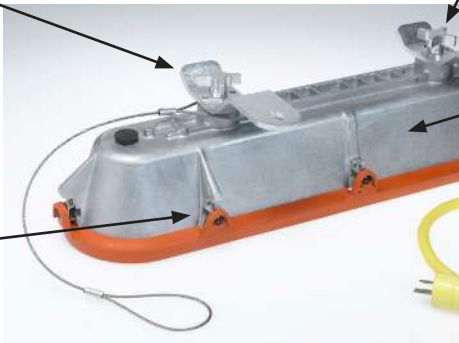
Physical

Housing: Cast aluminum
Lens-Gasket: Polycarbonate/Silicone
Operating Temperature: -40 to +40°C

Product Features

Mounting brackets adjust 360° for easy fit on most mounting surfaces or serve as a convenient handle

¼-turn fasteners achieve tool-to-enter requirement without locks, ties or tag outs



Aluminum knobs lock clamps in place and resist abuse

Rugged, cast aluminum enclosure provides superior resistance to impact and abrasion

Removable diffuser under lens cuts the harshness of LED light



Safety lanyards with carabiners for safe overhead mounting

Feed-through options available



Four 20W Citizen LED arrays with Molex holders produce 5270 measured lumens and are easily serviced



Silicone rubber bumper resists impact and abrasion

Variety of connections available including hazardous duty plugs and connectors, flying leads and Brad® Power Zone 2 connectors

Mounting Height: 10 ft.

Illuminance - Cone of Light

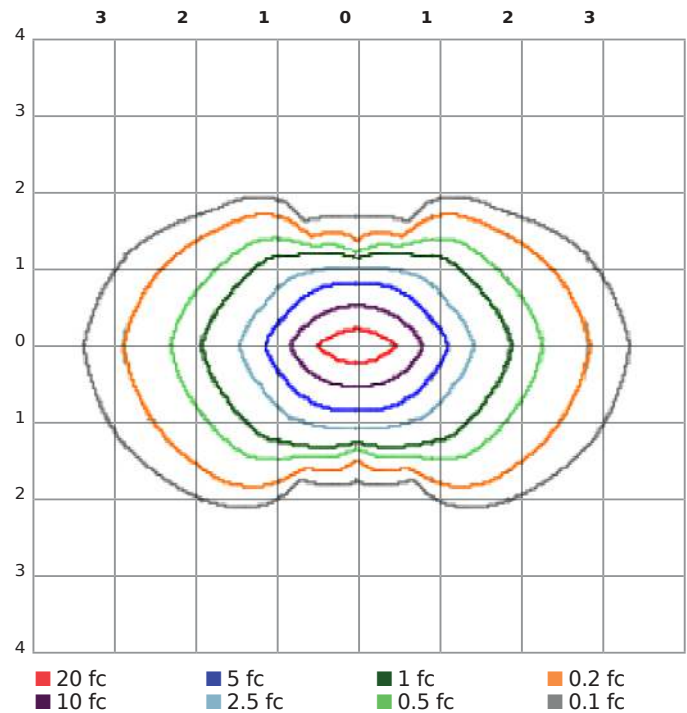
Illuminance at a Distance

| | Center Beam fc | Beam Width | |
|--------|----------------|------------|---------|
| 2.0ft | 736.3 fc | 2.2 ft | 6.3 ft |
| 4.0ft | 184.1 fc | 4.4 ft | 12.6 ft |
| 6.0ft | 81.8 fc | 6.6 ft | 18.9 ft |
| 8.0ft | 46.0 fc | 8.8 ft | 25.2 ft |
| 10.0ft | 29.5 fc | 11.1 ft | 31.5 ft |

- Vert. Spread: 57.8°
- Horiz. Spread: 115.2°

Isoillumination Plot

Isofootcandle Plot



Distance in units of mount height (10 ft)

Applications

Petro-Chemical and Refinery Plants

- Scaffold and ingress/egress lighting
- Vessel and tank task lighting
- Shutdown and turn-around work lights

Utility and Gas

- Scaffold and area lighting
- Tunnels and vaults
- Vessel and tank task lighting

Shipyards

- Scaffold and area lighting
- External flood lighting
- Construction task lighting

Pulp and Paper

- Digester and bleach plant maintenance
- Vessel and tank task lighting
- Site lighting

Water and Wastewater Treatment

- Maintenance task lighting
- Solids and digester maintenance
- Covered settling tanks

Aerospace and Defense

- Scaffold and area lighting
- Welding, grinding, painting areas
- Assembly area lighting



Petro-Chemical/Refinery



Shipyard

Ordering Information

| Order No. | Cord Type | Cord Length – Primary | Cord Length – Secondary | Plug Type | Connector Type |
|-------------|-----------|-----------------------|-------------------------|---------------------|---------------------|
| 130243-0021 | 14/3 SOOW | 7.62m (25.00') | None | NEMA 5-15 Watertite | None |
| 130243-0022 | | 0.91m (3.00') | 0.91m (3.00') | None | |
| 130243-0023 | 12/3 SOOW | | | None | |
| 130243-0025 | 14/3 SOOW | 15.24m (50.00') | None | NEMA 5-15 Watertite | Exp Proof NEMA 5-15 |
| 130243-0027 | | 7.62m (25.00') | 0.91m (3.00') | Exp Proof NEMA 5-15 | |
| 130243-0028 | | 15.24m (50.00') | | | |
| 130243-0029 | 12/3 SOOW | 0.91m (3.00') | None | 90° Brad Power | None |
| 130243-0030 | None | None | | None | |
| 130243-0031 | 12/3 SOOW | 0.91m (3.00') | | Straight Brad Power | Straight Brad Power |
| 130243-0032 | None | None | | Exp Proof NEMA 5-15 | None |
| 130243-0033 | 14/3 SOOW | 15.24m (50.00') | | | |