Lighting is comprised of many components that need to be considered when selecting the appropriate fixtures and lamps to accomplish a specific task. Selecting the proper lighting for spray booth applications is critical to help optimize quality of workmanship and productivity. The type, color, and size of the booth has a direct bearing on the number, type, and size of the light fixtures needed to achieve proper lighting conditions.

The most common type of lighting used in paint spray booths is panel mounted fluorescent lighting fixtures. These fixtures are mounted/recessed in the booth panels. These fixtures are Class I, Division 2 rated fixtures. The other types of fixtures used in paint spray booths are wall and ceiling mounted fixtures. These fixtures are Class I, Division 1 rated explosion proof fixtures.

Class I, Division 2: Locations where ignitable concentrations of flammable gases, vapors or liquids are not likely to exist under normal operating conditions.
Class I, Division 1: Locations where concentrations of flammable gases, vapors or liquids can exist all of the time or some of the time under normal operating conditions.

Refer to NFPA (National Fire Protection Association) Chapter 33, and your local fire inspector or electrical inspector to properly identify the classification of the area you are going to illuminate.

Refer to NEC (National Electric Code) articles 500 through 516 for hazardous location classifications.

For information about LPI, Inc. personnel lifts, please visit www.lpi-inc.com

Cling-On Plastic Lens Film
- 3 Mil plastic with custom acrylic adhesive
- Protects lens coverings from overspray
- Applies easily to clean lens
- Available in 12", 18" & 25" widths
- 100 Ft. per roll

Blast Booth Lens Cover
- Helps protect Fixture from High Pressure Blast Media
- 1/16" Clear Poly Carbonate Lens
- Lenses are easily interchangeable
- Perfect for Rear Access Fixtures
- For Front access, lens cover needs to be removed for relamping
**VAPOUR AND DUST PROOF FLUORESCENT LIGHTING FIXTURES**

### 400 Series: Vapor/Dust - 4 Ft. 2, 4 or 6 Lamp
Fluorescent, energy efficient lighting for paint spray booth and hazardous applications.
ETL listed for U.S. and Canada
Class I, Div. 2 Group A, B, C, D
Class II, Div. 2, Group F, G
Listed for locations having deposits of readily combustible paint residues.
UL Class I Division 2 Groups A, B, C, D

*Also available in 2 Ft. 3 lamp configuration*

### 260/261 Series: Vapor/Dust - 4 Ft. 4 Lamp
For spray booth applications. Increased photometric output and efficiency as a result of our wider fixture design. Listed for locations having deposits of readily combustible paint residues.
UL and ETL listed U.S. and Canada.
Class I, Div. 2, Groups A, B, C & D.
Class II, Div. 2, Groups F & G.

Model 260 hinged inside access door frame and a piano hinged rear access door for servicing from either inside or outside of the booth. Inside access features an interlock switch to be wired in such a way as to disable paint spray equipment when the front access panel is opened.

Model 261 features a rear access door for accessing fixture from outside of booth.

### 241 Series: Vapor/Dust
Rear Access 4 Ft. 4 lamp fluorescent lighting for paint spray booth applications. Listed for damp locations and locations having deposits of readily combustible paint residues.
UL and ETL listed in U.S. and Canada.
Class I, Div. 2, Groups A, B, C & D.
Class II, Div. 2, Groups F & G.

### 280 Series: Vapor/Dust - 4 Ft. 2, 4 or 6 Lamp
Fluorescent, energy efficient lighting for paint spray booth and hazardous applications.
ETL listed for U.S. and Canada.
Class I, Div. 2, Group A, B, C & D
Class II, Div. 2, Group F & G
Listed for locations having deposits of readily combustible paint residues.
UL Class I Division 2, Groups A, B, C, D

*Also available in 2 Ft. 3 lamp configuration*

### Slim Light Series - 3 & 4 Ft. 2, 4 & 6 Lamp
Inside Access for paint spray booth applications and locations having deposits of readily combustible paint residues. Inside access features an interlock switch to be wired in such a way as to disable paint spray equipment when the front access panel is opened.
Meets ETL requirements for inside access.
ETL listed U.S. and Canada.
Class I, Div. 2, Groups A, B, C & D.
Class II, Div. 2, Groups F & G.

*The 420 and 440 models in T8 are UL listed for Class I Division 2, Groups A, B, C, D Corner/Hip mount available - see image.*

### 280/281 Series: Vapor/Dust - 8 Ft. 4 Lamp
The 280/281 Series is a product designed specifically for Paint Spray Booths, with a wider fixture design these products will provide increased photometric output and efficiencies. The 280 Series allows for both Front and Rear access using a paint spray cutoff switch when either front door frame is opened. The 281 Series is a rear access only fixture and does not require paint spray cutoff. Listed for locations having deposits of readily combustible paint residues. Both units carry multiple listings from ETL for Class I, Div. 2 & Class II, Div. 2 applications.
ETL listed for U.S. and Canada.
Class I, Division 2 Groups A, B, C, D - T3C (160 deg. C) Operating Code
Class II, Division 2 Groups F, G - T3C (160 deg. C) Operating Code

Model 281 features a rear access door panel for accessing fixture from outside of booth.

### Inspection Series
The inspection series is a must for any Paint Spray Inspection area!

**INS: Inspection Series**
4 Ft. and 8 Ft. 2 lamp inspection lighting.
ETL and ETL-C listed for hazardous locations
Class I Div. 2 and Class II Div. 2.
Slim, Powder coated, 2 1/4" thick, 1 piece, 20 ga. housing
93% reflectance specular polished reflector

The lens design creates a well defined lamp image using Light and Dark contrasts that cause defects in the paint to show for ease of detection and repair.

Horizontal and Vertical cart options are also available.
PORTABLE LIGHTING SOLUTIONS: TASK AND INSPECTION CARTS

For NON-PAINT AREA applications: Light fixture options allow you to customize your cart to fit your work application requirements. Light can be directed where you need it most.

Single Fixture Light Cart
The single fixture light cart is designed to provide portable lighting solutions for applications ranging from inspection to laboratory and general industrial task lighting. Light fixture options allow you to customize your cart to fit your work application requirements.

Fixture: ETL listed. U.S. and Canada
Class I Div. 1, Group C and D
Class I Div. 2, Groups A, B, C and D
Class II Div. 1 and 2, Group E, F and G
Class III.

Multi Fixture Light Cart
The 4 Ft. 2 or 3 fixture light cart is designed to provide portable lighting solutions for applications ranging from inspection to laboratory and general industrial task lighting. This Portable Lighting Cart is designed to accept light fixtures swivel mounted either vertically (max of 3 fixtures) or horizontally (max of 2 fixtures).

Fixture: ETL listed. U.S. and Canada
Class I Div. 2, Groups A, B, C and D
Class II Div. 2, Groups F and G

WASH DOWN OR PREP AREAS

376 Series: Wet/Damp Marine - 2, 4, 5 & 8 Ft. 2 Lamp
Suitable for interior or exterior applications. The 376 is ideal for commercial industrial or institutional applications providing maximum light output where high temperatures, humidity, dust, or fumes are possible. The 376 is resilient against corrosion and weathering.

UL-1598 for Wet/Damp Locations
NSF: Splash Zone Non-Food Preparation
UL Listed Marine: Inside Drip Proof
NEMA 4

379 Series: Wet/Damp Locations - 4 Ft. 3, 4, 5 or 6 Lamp
The 379 Series is a perfect fixture for a multitude of application desiring a wet/damp fixture or an enclosed high bay fixture. The 379 is a glass fiber reinforced product with injection molded lens options for precise detail and strength. The lenses also have frosted ends, lineal prism sides and an optically clear face for maximum photometric output. All hardware is stainless steel with latches able to be tamper resistant. The gear tray hinges at both sides with tool less latches for ease of accessibility and maintenance.

UL Wet Location
Tested for 270 watts @ 40° C
Tested for 378 watts @ 25° C
NSF Splash Zone
NEMA 4X
IP67
High Pressure 1500 PSI Tested

EXPLOSION PROOF LIGHTING FIXTURES

Explosion Proof Lighting for Hazardous Locations
380 Explosion Proof Series
Paint spray booth, Marine/shipboard 2 lamp 2 Ft. or 2, 3 or 4 lamp 4 Ft.
UL listed 844, 1598 and 1598A
Class I & II, Div. 1 & 2, Class III
5 1/2" Hubs for mounting options
Factory sealed.
NEMA 3, 4X 7CD, 9EFG.
Light weight, low profile

Emergency Ballast Battery pack available for the 2 lamp 4 Ft. fixture.

Portable Lighting for Explosive Environments
The 380 XP Portable Light Cart is manufactured in accordance with all applicable NFPA standards as interpreted by LDPI, Inc. for use in hazardous environments and laboratory applications.

Portable lighting solutions for hazardous atmospheres.
UL listed 595, 844, 1598
Class I, Division 1, Group C and D
Class I, Division 2, Groups A, B, C and D
Class II, Division 1 and 2, Group E, F and G
Class III.

3 LAMP
4 FOOT FIXTURE
About LDPI, Inc.

In 1981 LDPI, Inc. was founded with a vision to manufacture quality lighting products for the paint spray booth manufacturing industry. Since that time, LDPI® has become a recognized leader in that area and has been expanding its original vision to include industrial and commercial lighting products. Based in Eau Claire, Wisconsin, LDPI designs, engineers and manufactures lighting products for applications ranging from hazardous locations and harsh environments to general industrial and facility lighting. LDPI’s lighting products are utilized in both new construction and retrofit projects.

LDPI Biography

Products and Services:
LDPI, Inc., located in Eau Claire, Wisconsin, manufactures hazardous location fluorescent lighting fixtures. LDPI provides fixtures to the nation’s leading paint booth manufacturers, electrical and paint distributors, and end users. LDPI manufactures a broad line of fluorescent lighting products to serve a wide variety of markets from general industrial to specialized markets that require hazardous rated fluorescent lighting.

Markets:
LDPI serves a wide variety of industries throughout the World. LDPI’s roots in the paint finishing industry have contributed to expansion into other hazardous and industrial applications. LDPI maintains active representation and distribution in the paint finishing, electrical and industrial lighting industries, in addition to OEM and catalog markets.

Promotional Efforts:
LDPI maintains an aggressive marketing approach by utilizing well trained sales engineers who work with customers in each key market, and employing the use of trade journals, government publications, web marketing and direct mailings to current and potential customers. We also seek out new markets through the Internet and trade shows. LDPI’s independent manufacturer representative network maintains a presence and awareness with the small independent electrical distributors, as well as major electrical houses and niche market distributors. LDPI also provides product training on new and existing fixtures. LDPI constantly evaluates its marketing efforts making enhancements as needed to increase its account penetration, sales and customer services.
“The mission of Plank Enterprises, Inc., a holding company with an investment purpose, is to provide leadership and resources to its subsidiary companies.”

**SUBSIDIARIES**

LDPI, Inc. is a manufacturer of specialized lighting fixtures & related products for industrial and commercial applications.

Manufacturer of standard and custom personnel lifting and material handling systems in a variety of power options for the industrial and paint finishing markets.

Badger Industrial Supply and Equipment, LLC is an industrial distribution company specializing in material handling equipment and industrial supplies. Badger offers high quality, economical alternatives for industrial equipment and safety needs.

Pro~Cise, Inc. is a designer and builder of precision components for manufacturing processes. The equipment available includes modern CNC turning and machining centers, along with complementary equipment, and contract services on various technical levels.