



## 9610A Brick LED Light Operating Instructions



### **READ CAREFULLY AND COMPLETELY**

#### **Description:**

1. The 9610A Brick LED Light is one of a family of similar Lights (9610A, B, C, and D) manufactured by Western Technology, Inc. The 9610A is UL and CSA Certified Explosion Proof compliant for use in:

Class I Division 1 & 2, Zone 1 & 2, Groups C, D  
Class II Division 1 & 2, Zone 20, 21 & 22, Groups F, G  
Suitable for Wet Locations

2. The 9610A Brick LED Light is equipped with 96 High Bright White LEDs with a Color Temperature of 6000°K +/- 200°K. Altogether the 96 LEDs generate 50,000 Lux at 1-foot with a spectral range of 410 to 700 nm having no UV emission.
3. The 9610A Brick LED Light, with a variable T4/T5 temperature rating (see product label) utilizes integrated Temperature Control Safety Technology™ to monitor operating temperature so that a safe T4 Thermal Rating is never exceeded. If automatically engaged by working and ambient conditions, the processor will temporarily reduce the light (and thus heat) output, which ensures safety in field operation.
4. The standard 9610A Brick LED Light model features a fixed 60° Beam Angle reflector optic.
6. The 9610A Brick LED Light is designed to allow in the field addition of beam diffusion and filter materials as well as polycarbonate lens protectors.
7. The 9610A Brick LED Light is fitted with Steel Discs on four sides of the light body to facilitate versatile magnetic and mechanical mounting and connecting options specifically engineered for this light.

8. Illustrated below is the single handled (dual handle, optional) 9610A Brick LED EXPLOSION PROOF Light Body and NON-explosion proof power Connection Box. The Brick comes standard with 100 feet of SOOW cable connecting the Light Body to the power Connection Box; the primary power cord is a 6-foot SOOW cable fitted with a standard NON-EXPLOSION PROOF 120VAC/15A Plug.



9. As shown above, standard rough usage Polyurethane Bumpers are fitted to each end of the Brick and Connection Box. These bumpers provide protection to both working surfaces and the 9610A Brick LED Light/Connection Box.

### **9610A Brick LED Light Safety:**

#### **WARNING AND NOTICE**

THE LIGHT AND POWER BOX ARE SEALED UNITS; DO NOT OPEN THESE UNITS AND DO NOT ATTEMPT TO REPLACE THE CABLE. ANY SUCH EVENT WILL (1) VOID THE WARRANTY, (2) CAUSE DE-CERTIFICATION OF THE LIGHT, AND (3) CREATE A RISK OF EXPLOSION.

To reduce the risk of ignition of hazardous atmospheres, any repair made to this lighting unit is only to be made by the manufacturer or its authorized representatives.

**Risk of Explosion - Do Not Connect to a Power Source in a Hazardous Location.**

1. It is recommended that you implement a standard monthly or more frequent preventive maintenance schedule for 9610A Brick LED Lights and accessories. Safety requires a thorough visual examination of the unit for physical damage that might cause a spark or result in the ignition of hazardous atmospheres.

Maintenance includes a careful examination to ensure at least that:

- A. The 9610A Brick LED Light Body is not cracked, broken or breeched.
- B. The Lens is not cracked or chipped.
- C. The Braided Cable Strain Reliefs are not frayed and are gripping the Cable tightly in all points of cable contact.
- D. The Cable Jacket is completely intact and that no internal conductors or conductor insulation is exposed.
- E. The Connection Box is not cracked, broken or breeched.
- F. The Cord Plug is not cracked or damaged and the Ground Post is intact.
- G. If your light has the MDCM processor (option) installed, please see separate instructions.\*

\*Note: The 9610A Brick is available with an optional Integrated Maintenance Duty Cycle Monitoring™ (MDCM) processor which can be used to signal required preventive maintenance examination of the equipment. Contact Western Technology for more information

2. For your safety and to maximize the life of the 9610A Brick LED Light –

**Avoid rough usage such as:**

- A. Pulling the 9610A Brick LED Light or Connection Box by the Cable, which could weaken or damage the Cable. Move or carry holding ONLY the handle.
  - B. Severely bending the Cable at any point, especially the Strain Reliefs. Repeated bending will both damage the Strain Relief braiding, which weakens its grip strength on the Cable; and may ultimately breach the Cable jacket allowing the internal conductors to fail.
  - C. Impacting the lens with hard, sharp or heavy objects, which will cause the lens to scratch, chip, crack, or shatter.
  - D. Setting the 9610A Brick LED Light FACE DOWN, especially on abrasive surfaces, which might result in chipping, scratching, abrading or cracking of the Lens.
  - E. Operation of the 9610A Brick LED Light without the Bumpers.
  - F. Disconnecting the Cord Plug from the receptacle by pulling on the Cable.
3. Keeping the 9610A Brick LED Light clean and free of material splatter, overspray, and debris during usage will ensure the maximum life and luminosity of the light.

## 9610A Brick LED Light Operation:

**ONLY THE LIGHT BODY AND CABLE TO THE CONNECTION BOX ARE EXPLOSION PROOF RATED. THE CONNECTION BOX AND CORD WITH PLUG MUST BE PLACED OUTSIDE THE HAZARDOUS LOCATION ENVIRONMENT**

1. Before operation of the 9610A Brick Light, confirm that the Power Source receptacle is located outside the Hazardous Environment and provides 115VAC/2.2A (230VAC/1.2A).
2. Note: The 9610A Brick LED Light is an “instant-on” light source when plugged into a live circuit. Ensure the 9610A Brick LED Light is pointing in a direction away from all individuals before plugging the light into the receptacle.

**CAUTION - AVOID DIRECT EYE EXPOSURE**

**Do Not look at the face of or directly into Light when plugging in or when illuminated**

3. The 9610A Brick Light will immediately illuminate to its maximum luminosity and is ready for safe usage in Hazardous Locations as listed with a life expectancy of 30,000 hours+ depending on handling.
4. **The 9610A Brick LED Light may ONLY be connected and mounted with Western Technology designed accessories and mounting options.** Magnetic Mounting uses the Steel Disc mounting plates affixed to the sides/end of the 9610A Brick LED Light. Some options include:

- Handled Puck
- Knuckle
- Tripod/Quadpod (short and tall)
- A-Frame
- Ground Stake
- Pipe Clamp Adaptor
- Ladder Mount
- Cart Rack

*Contact Western Technology for help in accessorizing your 9610A Brick LED Light for maximum service potential in your application and field of use.*

5. To switch OFF the 9610A Brick LED Light disconnect the Plug from the receptacle.
6. Gather the 9610A Brick LED Light for storage until further use is required.

*At Western Technology we build versatile products that meet your demands. We thank you for your support, and are always ready to listen to new ideas that will help you achieve your lighting requirements. Please contact Western Technology should you need any further assistance.*

### **Liberty Sales & Distribution, LLC**

**2880 Bergey Road, Suite F, Hatfield, PA 19440**

**Phone: (877) 373-0118 Fax: (888) 850-3787**

**Email: [sales@libertysales.net](mailto:sales@libertysales.net) Web: [www.libertysales.net](http://www.libertysales.net)**