



# LED Lighting and Performance Solutions

## Cleanroom Ceiling Fluorescent Light Replacement

**A BETTER SOLUTION FOR FLUORESCENT BULB REPLACEMENT**

LENZX LED lighting assembly is a product of remote phosphor technology, where the phosphor is contained in a cap away from the diode, permitting superior benefits.

Using unprecedented LED lighting technology protected by 27 patents, LENZX is the obvious choice for specialized lighting applications such as cleanrooms, manufacturing, research and health care environments.



By every metric for lighting - **cost, quality, efficiency, safety and reliability** - LENZX delivers a superior solution for new facilities as well as existing facilities retrofitted to LENZX lighting systems.



**70% LONGER LIFE THAN TRADITIONAL FLUORESCENT FIXTURES**

**LENZX LED LIGHTS CONSUME 50% LESS energy than fluorescent systems**

**SUPERIOR LIGHT QUALITY 2.4 times the lumens per watt of fluorescent fixtures**



**REDUCED INTERRUPTION OF MANUFACTURING PROCESSES**

**EASY SNAP-IN TO EXISTING GRID SYSTEMS**



LED LIGHTING AND PERFORMANCE SOLUTIONS

<https://lenzx.com/products/>

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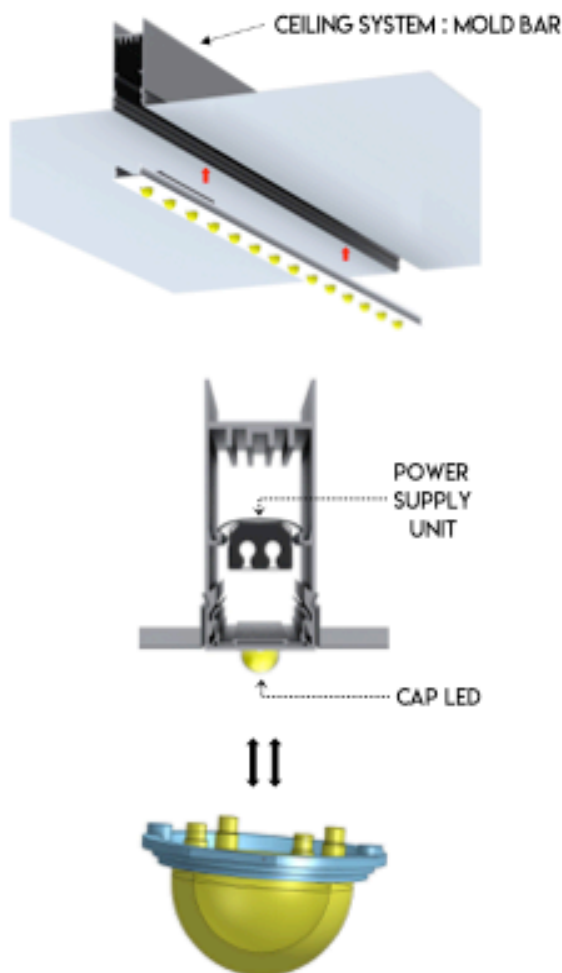


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### TECHNOLOGY

LENZX's technology combines blue and white LEDs with a phosphor cap to render a warm, natural light with dramatically higher energy efficiency than the best-performing LEDs on the market.



### BENEFITS

**Lower Energy Costs.** LENZX LED lights consume 50% less energy than fluorescent systems. That translates into lower costs and CO2 reduction of 1000+ Mton.

**Lower Labor Costs for Installation and Replacement.** LENZX fixtures are designed to last more than 10 years vs. conventional cleanroom lighting systems that require replacement every 3 years.

**A Lighter Light.** LENZX systems are one-third the weight of fluorescents - a reduction of 65,000 pounds of ceiling load in a 100,000-square-foot cleanroom. LENZX LED lights free up valuable ceiling load capacities.

**More Economical to Install.** LENZX LED lights snap right into either new or existing lighting tracks, greatly reduces installation time compared to conventional lighting systems.

**Reduced Interruption of Manufacturing Processes.** Eliminating fluorescent light replacement cycles creates an opportunity for large cost savings by avoiding manufacturing disruptions.

**Superior Light Quality and Flexibility of Light Color.** LENZX LED lights deliver 2.4 times the lumens per watt of fluorescents with the best warm, natural light on the market, color-tuned precisely to meet the needs of different environments.

**Improved Safety and Reduced Insurance Costs.** LENZX lights have no lenses to fall out. These long-life lights have fewer light replacement cycles, greatly reducing the safety risks posed by hoists and scaffolds to replace lights in sensitive manufacturing environments.

**Higher Fixture Efficiency.** LENZX achieves two times that of fluorescents by introducing the light directly into the space without a lens and reflectance.

