



# NO UV SERIES

## MAGNILUMEN PLUS™

Clean-room facilities are utilized as part of specialized industrial production or scientific research, including the manufacturing of pharmaceutical items and microprocessors. Historically, these facilities required special UV shielding from regular fluorescent lamps for their light sensitive materials. ZLEDlighting now offers its Magnilumen Plus™+ Magnetic LED Retrofit Kit and a special amber LED to producing No UV radiation, thus creating a safer and more efficient working area!

- Each kit contains everything needed to retrofit the existing fluorescent fixture including the driver with luminaire disconnect, LED bars, magnetic mounting clips, a plug and play wireless harness, along with wire nuts and screws.
- Available sizes include: 2', 4'

Magnilumen Plus™ Retrofit LED Lighting Kits for Photosensitive applications provide precision illumination with LEDs designed for environments requiring low-wavelength light. Ideal for laboratories, research facilities, and specialized applications, these high-performance kits minimize harmful light emissions to reduce interference while maintaining optimal visibility. Engineered for efficiency, durability, and reliability, they are perfect for scientific, medical, and industrial settings where wavelength-specific lighting is essential.

### KEY FEATURES & BENEFITS

- **High-Purity Light:** Delivers precise illumination without UV wavelengths, ensuring safety for photosensitive applications.
- **Versatile Retrofits:** Ideal for troffers, surface mounts, channel lights, vapor tights, high bays, and direct/indirect fixtures.
- **Complete Retrofit Solution:** Each kit includes a driver with luminaire disconnect, LED bars, magnetic mounting, a plug-and-play wireless harness, and screws for easy installation.
- **Protection from Degradation:** Prevents photochemical reactions in pharmaceuticals and sensitive compounds.
- **Safe Handling:** Reduces the risk of material photodegradation while ensuring a safe work environment.
- **Enhanced Visibility:** Provides clear, flicker-free lighting without UV exposure, maintaining the integrity of pharmaceuticals and research materials.

### APPLICATIONS

- **Healthcare & Laboratories:** Safeguards sensitive equipment, materials, and patients against ultraviolet radiation exposure.
- **Art Museums & Conservation:** Mitigates fading and deterioration of delicate artworks.
- **Scientific Research & Drug Manufacturing:** Provides precisely managed light environments for applications in biology, chemistry, and photobiology.
- **Food & Pharmaceutical Storage:** Impedes photochemical reactions to ensure product stability and safety.

### SPECIALTY LIGHTING FOR PHOTOSENSITIVE

- **Amber LEDs:** Reduce UV and blue light exposure, ideal for semiconductor manufacturing, biological research, and pharmaceutical applications.
- **Blue LEDs:** High-efficiency lighting for machine vision, quality control, and precision tasks.
- **Red LEDs:** Minimize light-induced degradation in pharmaceuticals, food processing, and optical imaging systems.
- **Green LEDs:** Provide excellent visibility and contrast for inspection processes, enhancing accuracy in precision-base applications. Used in medical settings, cleanrooms, and biotechnology research where stable and high-contrast lighting is required.

ZLEDlighting offers wattage-selectable drivers and color temperatures (2700K to 6500K) to match different applications. Retrofit Kits are also available in fixed-color red, green, or blue tones. Contact the factory for more details.

### BENEFITS

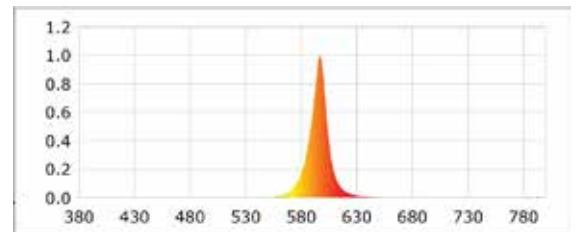
- No UV Radiation
- Energy Efficiency
- Certification

### APPLICATIONS

- Pharmaceutical
- Biosafety
- Schools and Universities
- Containment Areas
- Laboratories
- Research and Development
- Manufacturing



### 4FT AMBER LIGHT TEST



### COLOR PARAMETERS 585NM - AMBER

CHROMATICITY COORDINATE:  $x=0.5926$   $y=0.4060$  /  $u(u^*)=0.3545$   $v=0.3643$   $v^*=0.5465$   
 CCT:  $T_c=1526K$  ( $d_{uv}=0.00389$ )      COLOR RATIO:  $R=0.214$   $G=0.786$   $B=0.000$   
 PEAK WAVELENGTH: 596.3nm      HALF BANDWIDTH: 14.9nm  
 DOMINANT WAVELENGTH: 593.2nm      COLOR PURITY: 0.997  
 CRI:  $R_a=-26.0$       TM30:  $R_f=2$ ,  $R_g=5$

### PHOTOMETRIC PARAMETERS 585NM - AMBER

FE 10.106 W EFFICACY 31 lm/W

## BUILD YOUR OWN MAGNILUMEN PLUS™ SYSTEM

ex: MRK1220585NM-AMBER-PLUS

MODEL	# OF STRIPS	LENGTH	DRIVER WATTAGE	COLOR TEMP.	
MRK					PLUS
	1 = 1 Bar 2 = 2 Bars 3 = 3 Bars 4 = 4 Bars	2' = 2 ft. bar (21") 4' = 4 ft bar (43")	20 = 20 Watt Driver 40 = 40 Watt Driver 50 = 50 Watt Driver 60 = 60 Watt Driver 90 = 100 Watt Driver (set to 90 Watts)	585NM-AMBER 610NM-ORANGE 622NM-RED (Special Order)	
			2 ft bar, 15W max per bar 4 ft bar, 30W max per bar	Retrofit Kits are also available in fixed-color green, or blue tones Contact the factory for more details.	