



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. ZLED Lighting 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.

BENEFITS

- No UV Radiation
- Energy Efficiency
- Certification

APPLICATIONS

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

MAX WATTAGE PER BAR:

4FT (42.91 in):

25W Red/Amber/Green/Orange
30W Blue

2FT (21.06 in) (Special Order):

12.5W Red/Amber/Green/Orange
15W Blue

COLOR TEMPS: Red, Green, Blue, Amber, Orange, Yellow

LENS: Standard - Clear; Orange - Frosted

INPUT VOLTAGE: 120/277V

SIZES: 4ft: 43" Stock, 2ft: 21" (special order)

CRI: Standard: >80

Custom Kit Configurations are available

LED LIFESPAN (L70): 50,000 hours

AMBIENT TEMP: -40 to 50C; -40 to 122F

DIMMING: 0-10V

LISTED: ETL

RATED: IP20

WARRANTY: 5 year

COLOR PARAMETERS 585NM - AMBER

CHROMATICITY COORDINATE: $x=0.5926$ $y=0.4060$ / $u(u')=0.3545$ $v=0.3643$ $v'=0.5465$

CCT: Tc=1526K (duv=0.00389)

PEAK WAVELENGTH: 596.3nm

DOMINANT WAVELENGTH: 593.2nm

CRI: Ra=-26.0

COLOR RATIO: R=0.214 G=0.786 B=0.000

HALF BANDWIDTH: 14.9nm

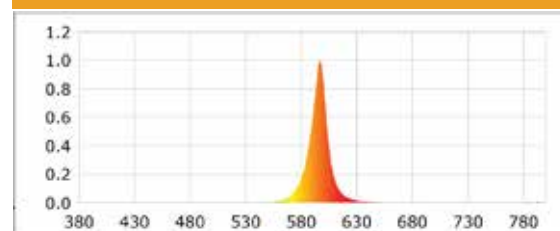
COLOR PURITY: 0.997

TM30: Rf= 2, Rg= 5

PHOTOMETRIC PARAMETERS 585NM - AMBER

FE 10.106 W EFFICACY 41 lm/W

4FT AMBER LIGHT TEST



NANOMETERS		EFFICACY	
Amber	585-590nm	Amber	41 lm/W
Red	620-622.5nm	Red	36 lm/W
Blue	450-452.5nm	Blue	80 lm/W
Green	520-522.5nm	Green	125 lm/W
Orange	605-610nm	Orange	65 lm/W

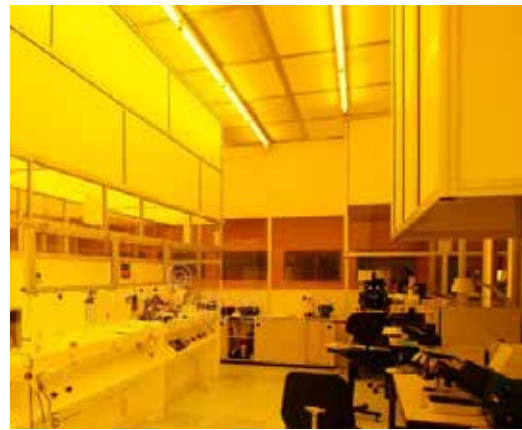
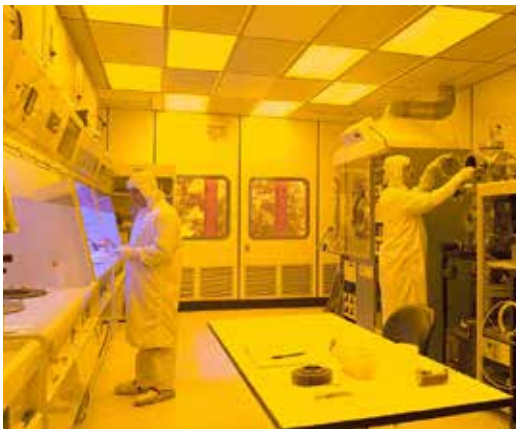




BUILD YOUR OWN MAGNILUMEN PLUS™ SYSTEM

ex: MRK24-AMBER-PLUS

MRK	# of Bars	Length of Bar	Color Temp	PLUS
	1	4=4 feet (42.91 inches)	AMBER = AMBER	
	2	2=2 feet (21.06 inches)	RED = RED	
	3	(Special Order)	BLUE = BLUE	
	4		GREEN = GREEN	
			ORANGE = ORANGE	



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-based applications.