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what is LED?

LED stands for **light-emitting diode**. When electricity is supplied to diodes, electrons are able to recombine with holes and energy is released in the form of light. The effect is called electroluminescence.

LED technology is rapidly developing as the world's leading source of light. LEDs can now fit homes and businesses in almost any lighting application.

Unlike CFC fluorescents and many other forms of lighting, **LEDs contain no hazardous chemicals**. That means no more mercury or other toxic substances in our homes, businesses, and environment.



the LED advantage

long life — at the correct voltage and current, LEDs are noted and warranted for 50,000 hours

environmentally safe — unlike fluorescents, LEDs have no mercury UV rays or other hazardous chemicals

low-power consumption — LEDs are the most efficient lights available, even more so than high efficiency fluorescents

low voltage — LEDs operate at low voltage, which is more cost-efficient and safe

low heat emissions — LEDs emit very little heat, which makes them safe and reduces costs

color versatility — LEDs can operate in many colors and temperatures, from 3,000K to 6,000K

warranties

LED lighting products have 2-5 year manufacturer's warranty, depending on series warranties.

Warranties do not cover accidental or negligent damage and/or improper use or application.

Shower heads have a 3 year manufacturer's warranty upon product registration.



product catalog

Panel & replacement lighting

Par series · MR16 · GU-10

Decorative/commercial

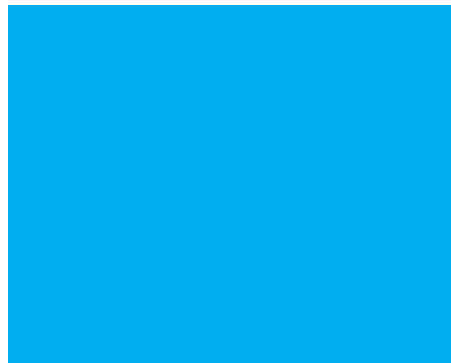
Water efficient shower heads

Panel & Replacement Lighting



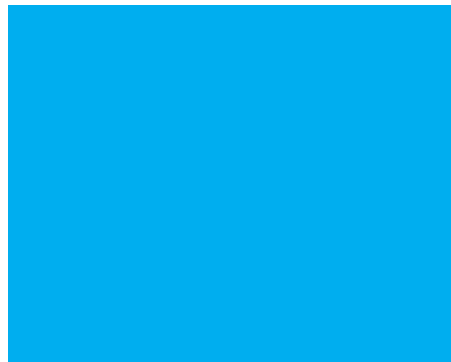
300 LED LP 1 ft x 1 ft panel

Color temp: s-type 5500K · v-type 3500 K
Installation: standard drop ceiling · surface mount
Voltage: 100–240 volts
Options: dimmable remote control unit



600 LED LP 2 ft x 2 ft panel

Color temp: s-type 5500K · v-type 3500K
Installation: standard drop ceiling · surface mount
Voltage: 100–240 volts
Options: dimmable remote control unit
Performance: 4200–5400 lumens · 56–72 watts · 90 CRI



1200 LED LP 4 ft x 4 ft panel

Color temp: s-type 5500K · v-type 3500K
Installation: standard drop ceiling · surface mount
Voltage: 100–240 volts
Options: dimmable remote control unit
Performance: 4200–5400 lumens · 56–72 watts · 90 CRI



1200 LED LP 4 ft x 1.5 ft panel

Color temp:
Installation:
Voltage:
Options:
Performance:



Direct tube replacement

T8 · T10 · T12

Power consumption: 8 watts · 15 watts · 24 watts
Light engine: 180 LED · 300 LED · 420 LED
Lumens: 800 lumens · 1500 lumens · 2400 lumens
Voltage: 110–270 volts or 12v DC
Color temps: 3000K (warm) · 4100K (neutral) · 5800K (cool)
CRI: 90

· all LEDs have a rated life of 50,000 hours

(LED comparison chart)

Par series · M-16 · GU-10

- Perfect for product and merchandise showcases, salon lighting, gallery lighting, track lighting and accent lighting.
- Very low heat emissions and no UV emissions
- Will preserve and prevent discoloration of merchandise, paint, upholstery and furniture better than any other light available

MR-16 Pro-R

Color temp: 3500K (warm) · 5500K (cool)
Bloom angle: 39° · 60°
Power consumption: 5 watts
Input voltage: 120V · 220V
Base: GU5.3
Lumens: comparable to 35 watt halogen or incandescent
Features: UL listed components · built-in surge protector
CE pending · RCHS compliant

MR-16 Pro-Z

Color temp: 3500K (warm) · 5500K (cool)
Bloom angle: 39° · 60°
Power consumption: 5 watts
Input voltage: 120V · 220V
Base: GU5.3
Lumens: comparable to 35 watt halogen or incandescent
Features: UL listed components · built-in surge protector

MR-16 Pro-Z

Color temp: 3500K (warm) · 5500K (cool)
Bloom angle: 39° · 60°
Power consumption: 5 watts
Input voltage: 120V · 220V
Base: GU5.3
Lumens: comparable to 35 watt halogen or incandescent
Features: UL listed components · built-in surge protector



MR-16 Pro-R

Color temp: 3500K (warm) · 5500K (cool)
Bloom angle: 39° · 60°
Power consumption: 5 watts
Input voltage: 120V · 220V
Base: GU5.3
Lumens: comparable to 35 watt halogen or incandescent
Features: UL listed components · built-in surge protector
CE pending · RCHS compliant

MR-16 Pro-R

Color temp: 3500K (warm) · 5500K (cool)
Bloom angle: 39° · 60°
Power consumption: 5 watts
Input voltage: 120V · 220V
Base: GU5.3
Lumens: comparable to 35 watt halogen or incandescent
Features: UL listed components · built-in surge protector
CE pending · RCHS compliant

MR-16 Pro-R

Color temp: 3500K (warm) · 5500K (cool)
Bloom angle: 39° · 60°
Power consumption: 5 watts
Input voltage: 120V · 220V
Base: GU5.3
Lumens: comparable to 35 watt halogen or incandescent
Features: UL listed components · built-in surge protector
CE pending · RCHS compliant