



LED RECESSED LUMINAIRE FOR SUSPENDED CEILING



Benefits

- 80% Energy Savings
- Long Life
- Uniform Light Distribution
- Low glare
- Superior CRI
- Universal Input
100-300 Vac, 200-380 Vac
- 50-60 Hz Operation
- Instant ON/OFF
- Cold start
- No audible noise
- Versatile Mounting System
- Greater resistance to shock and vibrations
- RoHS compliant
- Easy Driver Replacement
- Optional:
Occupancy Sensor
Linear Dimming
Color variation



Recessed Luminaire Suspended Ceiling

Elumen introduce the high intensity recessed lighting for suspended ceiling (T-bar). Featuring its LightSpread technology, and its innovate thermal design it yields best in class light efficiency of over 130 lumens/watt delivered resulting in 80% energy savings. LED arrays are mounted in an engineered geometry to provide a uniform light spread. An innovative thermal design maximizes radiation and natural convection cooling that allows the LEDs to operate at lower temperatures for extended life. Lightweight design and versatile mounting system, it is ideal for suspended ceiling (T-bar) in office lighting.

High Energy Savings

The Elumen Recessed luminaire Suspended Ceiling results in 80% energy savings compared to traditional fluorescent light sources. This energy conservation is directly related to Light Emitting Diodes technology advancement combined with the innovative way Elumen uses its LED drive. Additional savings are generated with the use of our options: Occupancy Sensor, Linear Dimming and temperature color variation.

Light Uniformity

In lighting applications, uniformity is more important than absolute intensity. Due to Elumen's unique LED positioning methods, nearly all of the generated light is uniformly distributed over the target area merging perfectly with the adjacent luminaire. Light intensity is uniform throughout the area of illumination, eliminating bright spots typically found under traditional fluorescent luminaire.

Longevity

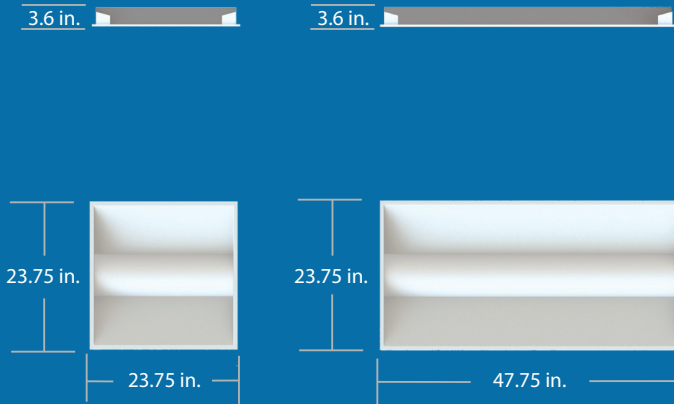
No need for overlighting an installation to reach the maintained illumination required in the lifespan of the light. The cooling system and smart LED control results in energy optimization and extended life.

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Technical Data

Dimension



BUILT-IN

Weight (2pi) : 8.9lbs (4,0 kg)
 Weight (4pi) : 16.0lbs (7,3 kg)

Mechanical

Mecanical Mounting: Directly in the suspended ceiling (T-bar)

Lens: Acrylic

Casing: Galvanized steel enamel coated

Operating Temperature: -45 °C to 55 °C

Audible noise: 0 db

CRI, CCT: 80, 5000 °K, 4500 °K, 4000 °K, 3500 °K, 3000 °K, 2700 °K

Electrical

Voltage: 100 to 300Vac, 347 Vac, 50 to 60 Hz

Power Factor: > 0.95

Consumption (typical)

Transients: EN 61000-4-5.

EMI/ESD/Immunity: EN 61000-4-2.

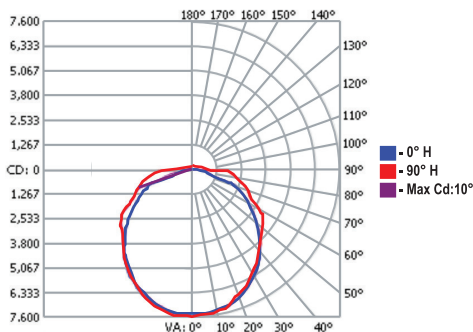
Regulatory Agencies

Canada, USA: CSA C22.2 ,UL1598

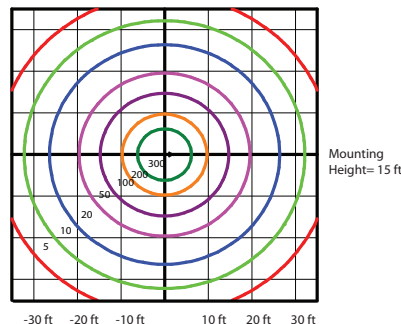
RoHS: Yes

Light Distribution Recessed Luminaire

Polar Candela Distribution



Isolux Plot



Ordering

Series	Color	Color LED	Length	Mounting	LED Driver	Options
EN	W	C	2	T	C	N
	W= White	C = 5000 °K CRI = 80 D = 4500 °K E = 4000 °K F = 3500 °K G = 3000 °K H = 2700 °K	2 = 2 X 2 4 = 2 X 4	E = Built-in	C = 100 - 300 Vac D = 200 - 380 Vac	N = No options D = 0-10 Vdc Linear Dimming Input (10% to 100% intensity) T = Integrated motion sensor V = Color variation

Elumen reserves the right to change specifications

