

# WaLED 100 , 150, 200 and 250W

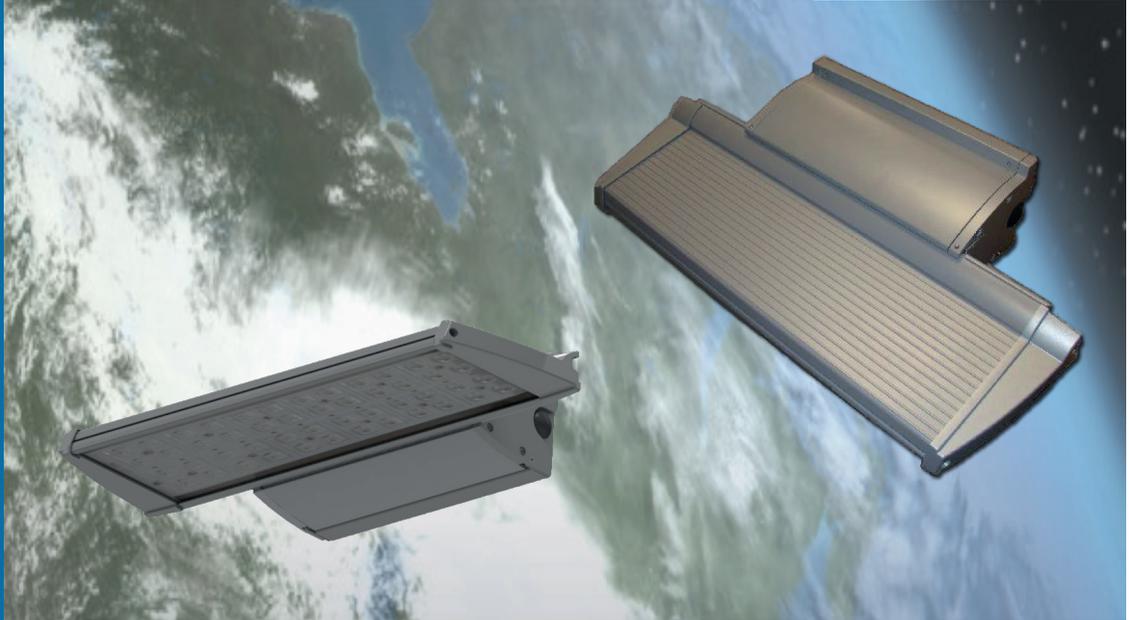


## Benefits

- 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:

- Midnight Dimming
- Linear Dimming
- Occupancy Sensor
- Wireless Remote Control



### WaLED Luminaire

Elumen introduces the WaLED luminaire. Featuring its OptiAC250 LED driver, LightSpread technology, 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 many applications such as warehouse, garage, manufacturing plants, and stores.

### High Energy Savings

The Elumen WaLED luminaire results in 80% energy savings compared to traditional HID light sources. This energy conservation is directly related to Light Emitting Diodes technology advancement combined with the innovative way Elumen uses its high efficiency Opti AC™ LED drive. Additional savings are generated with the use of our options: Occupancy Sensor, Linear Dimming, Midnight Dimming and RTC Dimming.

### 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

The completely sealed casing of the Elumen WaLED minimizes light depreciation from dust and pollution. Moreover, the aging compensation algorithm of the Opti AC™ LED drive ensures a uniform photometric output during the life of the product. (LLF=0.95) 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.

Elumen Lighting Networks  
6638, Abrams  
Saint-L aurent, Québec  
H4S 1Y1

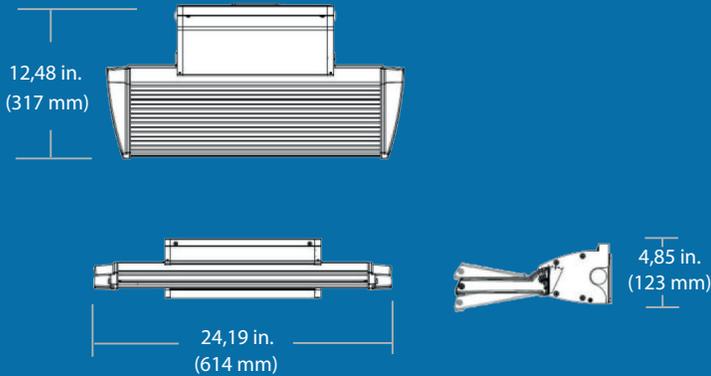
T. 514•876•1010  
F. 514•876•1010

[www.elumenlighting.com](http://www.elumenlighting.com)



# Technical Data

## Dimension



**Walled**  
Weight: 13.3 lbs (6,0 kg)

### Mechanical

|                       |  |
|-----------------------|--|
| Mecanical Mounting    | Wall mount                             |
|                       | ± 15degrees adjustment                 |
| Lens                  | Acrylic                                |
| Casing                | Aluminium powder coated                |
| Seal                  | IP 66                                  |
| Operating Temperature | -60 °C to 45 °C                        |
| Audible noise         | 0 db                                   |
| CRI, CCT              | 80, 5000 °K, 4500 °K, 4000 °K, 3500 °K |

### Electrical

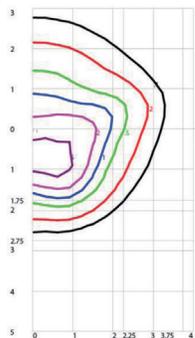
|                       |  |
|-----------------------|--|
| Voltage               | 100 to 300Vac, 300 to 380 Vac, 50 to 60 Hz |
| Power Factor          | > 0.95                                     |
| Consumption (typical) |  |
| Transients            | EN 61000-4-5.                              |
| EMI/ESD/Immunity      | EN 61000-4-2.                              |

### Regulatory Agencies

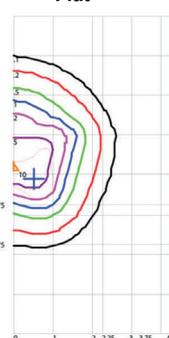
|             |                                 |
|-------------|---------------------------------|
| Canada, USA | CSA C22.2 ,UL1598 for wet areas |
| RoHS        | Yes                             |

## Light Distribution Walled Luminaire

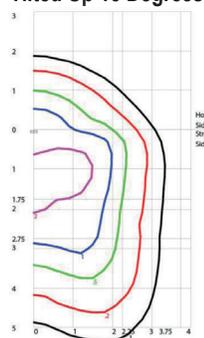
Tilted Down 15 Degrees



Flat



Tilted Up 15 Degrees



|   | 100W         | 150W  | 200W  | 250W  |
|---|--------------|-------|-------|-------|
| Delivered Lumens (0 degrees adjustment) | 13000        | 18000 | 22000 | 27000 |
| Initial Consumption at 25°C *           | 100W         | 150W  | 200W  | 250W  |
| Life – Zero Lumen Depreciation          | 180000 hours |       |       |       |

\* Consumption reduces 2% for every 10°C of temperature decrease. Power will gradually increase up to 10% to compensate for LED aging.

## Ordering

| Series | Color                                | Color LED   | Power  | Mounting        | LED Driver                             | Options   |
|--------|--------------------------------------|---|--|-----------------|--|---|
| WE     | G                                    | C   | 100  | WM              | C                                      | N   |
|        | G= Gray<br>B= Dark brown<br>K= Black | C = 5000 °K CRI = 80<br>D = 4500 °K<br>E = 4000 °K<br>F = 3500 °K | 100= 100W<br>150= 150W<br>200= 200W<br>250= 250W | WM = Wall Mount | C = 100 - 300 Vac<br>D = 300 - 380 Vac | M = With Midnight Dimming 50% f rom 11h30pm to 5h30am<br>S = With Motion Sensor Input (50% Dimming when no motion)<br>L = With Linear Dimming Input (30% to 100% intensity)<br>N = No option<br>I = Wireless Remote Control |

Elumen reserves the right to change specifications

