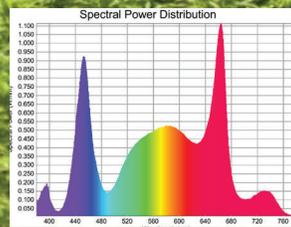




# LED E-TUBE GROW LUMINAIRE

## Benefits

- 60% Energy Savings
- Long Life
- Uniform Light Distribution
- No Lumen Depreciation
- Constant light intensity throughout temperature range and life
- 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



## LED E-Tube Grow Luminaire

INPUT POWER	600W
PPF	1472 $\mu\text{mol/s}$
EFFICACY	2,5 $\mu\text{mol/J}$

	AVERAGE	PPFD
DISTANCE	6"	857
	12"	700
	18"	558
	24"	448

### High Energy Savings

The Elumen E-Tube Grow luminaire results in 60% 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 OptiAC LED drive.

### 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 grow luminaire.

### Longevity

The completely sealed casing of the Elumen E-Tube Grow Luminaire minimizes light depreciation from dust and pollution. Moreover, the aging compensation algorithm of the OptiAC 600 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-Laurent, Québec  
H4S 1Y1

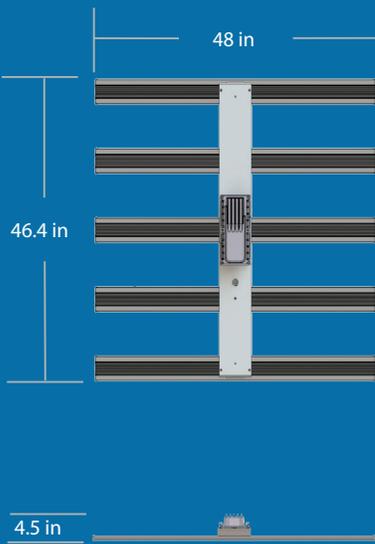
T. 514-876-1010  
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[www.elumenlighting.com](http://www.elumenlighting.com)



# Technical Data

## Dimension



**LED GR**  
Weight: 21.4 lbs (9,7 kg)

### Mechanical

Mecanical Mounting	Multipurpose
Lens	Acrylic
Casing	Aluminium powder coated
Seal	IP 64
Operating Temperature	-45 °C to 50 °C
Audible noise	0 db

### Electrical

Voltage	200 to 300Vac, 300 to 380Vac, 50 to 60 Hz
Power Factor	> 0.95
Consumption (typical)	600W
Transients	EN 61000-4-5.
EMI/ESD/Immunity	EN 61000-4-2.

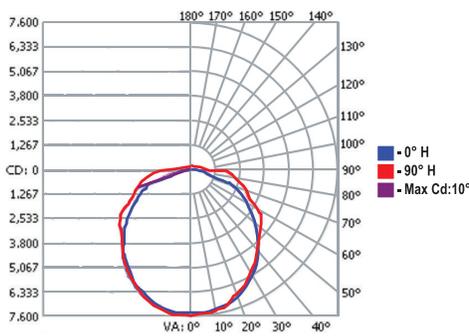
### Regulatory Agencies

Canada, USA	CSA C22.2 ,UL1598 for wet areas
RoHS	Yes
Zero Lumen Deprectiation	210 000 hours

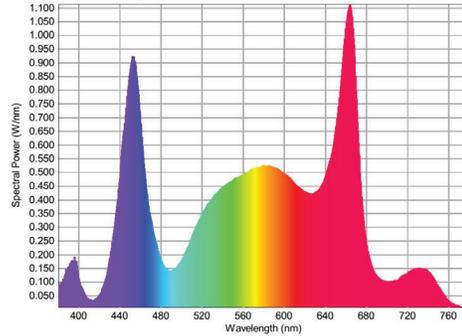
## Light Distribution LED GR 600W



Polar Candela Distribution



Spectral Power Distribution



## Ordering

Series	Color	Power	Color LED	Cable Length	Mounting	LED Driver	Options	Location
GR	G	600	G	6	PM	C	N	I
	G=GRAY	600W	G = GROW	X = Length in feet	PM = Pendant Mount	C = 200 - 300 Vac D = 300 - 380 Vac	N = No options D = Dimming	I = Indoor only



Elumen reserves the right to change specifications

