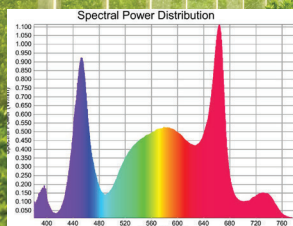




LED GROW LUMINAIRE

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 Grow Luminaire

INPUT POWER	375W	440W
PPF	934 $\mu\text{mol/s}$	1090 $\mu\text{mol/s}$
EFFICACY	2,5 $\mu\text{mol/J}$	2,5 $\mu\text{mol/J}$

	AVERAGE	PPFD 375W	PPFD 440W
DISTANCE	18"	480	553
	24"	292	337
	36"	203	236
	48"	158	188

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 Grow Luminaire minimizes light depreciation from dust and pollution. Moreover, the aging compensation algorithm of the OptiAC™ 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

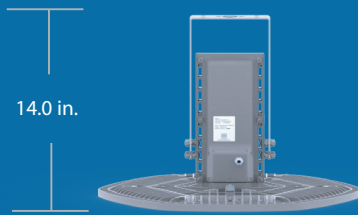
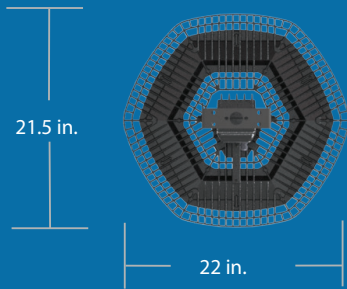
T. 514-876-1010
F. 514-876-1010

www.elumenlighting.com



Technical Data

Dimension



LED GR
Weight: 15lbs (6,8 kg)

Mechanical

Mechanical Mounting	Multipurpose
	±90 degrees adjustment
Lens	Acrylic
Casing	Aluminium powder coated
Seal	IP 66
Operating Temperature	-45 °C to 50 °C
Audible noise	0 db
CRI	90
Vibrations	ANSI C136.31-2001 for bridges

Electrical

Voltage	100 to 300Vac, 200 to 380 Vac, 50 to 60 Hz
Power Factor	> 0.95
Consumption (typical)	375W, 440W
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

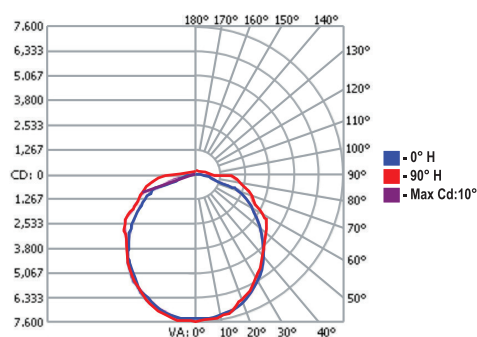
Life

Zero Lumen Depreciation	210 000 hours
-------------------------	---------------

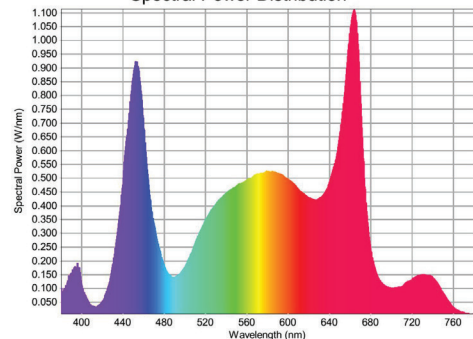
Light Distribution LED GR 375W



Polar Candela Distribution



Spectral Power Distribution



Ordering

Series	Color	Power	Color LED	Cable Length	Mounting	LED Driver	Options	Unit Height	Location	Feature
GR	G	375	G	6	SB	C	N	1	I	N
	G=GRAY	375W 440W	G= Grow	X = Length in feet	SB = Swivel Bracket PM = Pendant Mount HM = Hook Mount	C = 100 - 300 Vac D = 200 - 380 Vac	N = No options D = Dimming	1= 14po 2= 15po 3= 16po 4= 19po 5= 20po 6= 21po	I = Indoor O = Outdoor	N = None

Elumen reserves the right to change specifications