

# GLE-GL Series

## Soft Green LED Vaportight Luminaire for Horticulture Applications

The GLE-GL is a purpose built LED luminaire designed for safely lighting the dark cycle when growing short-day plants. Growlite's plant-safe soft green LEDs cannot be easily "seen" by plants allowing for critical tasks to be performed in the grow rooms during the dark cycle without the light adversely affecting the growth stage of the plant. The GLE-GL is also available with 90 minute battery back-up to provide plant-safe egress lighting for grow facilities without disrupting critical photoperiod times.

### FEATURES

- Easy installation in new construction or retrofit
- GLE-GL features strong, neodymium magnet mount and plates with 15' line cord and plug
- Lumens: 1069 lumens in AC operation, 715 lumens in battery back-up operation
- GLE-GL and GLE-GL-277 include magnet mounting hardware
- Diffused polycarbonate lens
- Stainless steel mounting brackets are standard
- ABS (acrylonitrile butadiene styrene) housing and lens clips in grey finish
- GLE-GL-BB option is UL 924 for life safety path of egress compliance

### SPECS AT A GLANCE

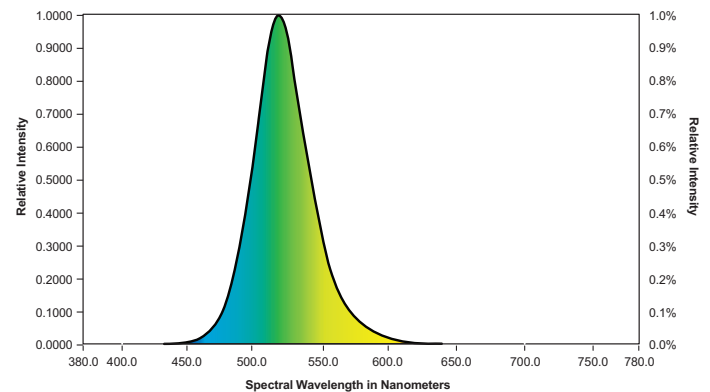
<b>Typical Power Consumption:</b>	20W in AC operation, 12W in Battery Backup operation	
<b>Input Voltage:</b>	120, 277VAC (AC Only version), 120-277VAC (Battery Backup version)	
<b>Operating Frequency:</b>	50/60Hz	
<b>Operating Temperature:</b>	-40°C to 40°C (-40°F to 104°F)	
<b>Operating Temperature (with BB):</b>	0°C to 40°C (32°F to 104°F)	
<b>Dimming:</b>	1-10V	
<b>Environment:</b>	IP65, Wet Location	
<b>Power Factor:</b>	120VAC ≥ .99	277VAC ≥ .96
<b>Total Harmonic Distortion:</b>	120VAC ≤ 6%	277VAC ≤ 15%
<b>Certifications:</b>	cULus 8800, UL 924	
<b>Warranty:</b>	5 Years	

### WARRANTY

Any component that fails due to manufacturing defect is guaranteed for 5 years. The warranty does not cover physical damage, abuse or instances of uncontrollable natural forces. See the full Growlite warranty document for detailed information.

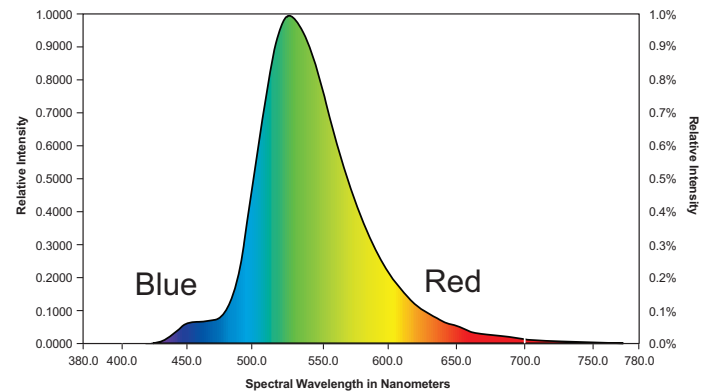


### GROWLITE'S SOFT GREEN LED SPECTRUM



### COMPETITORS' GREEN SPECTRUM

Exposure to blue and red spectrum during a dark cycle can harm the growth of the plant.



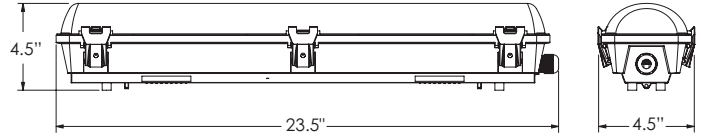
## ORDERING INFORMATION

Example: GLE-GL

Series	Description
GLE-GL	Vaportight, 20W, soft green LED, 120V line cord w/plug
GLE-GL-277	Vaportight, 20W, soft green LED, 277V line cord w/blunt end
GLE-GL-BB	Vaportight, 20W, soft green LED, 120-277V, w/battery back-up

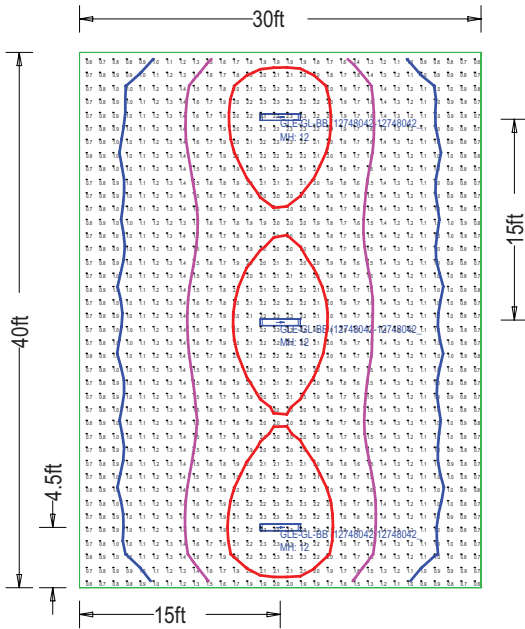
## WEIGHTS

Model	Unit	Packaged Weight
GLE-GL	4.5 lbs (2.04kgs)	5.9 lbs (2.67kgs)
GLE-GL-277	4.8 lbs (2.17kgs)	6.2 lbs (2.81kgs)
GLE-GL-BB	5.1 lbs (2.31kgs)	6.5 lbs (2.95kgs)

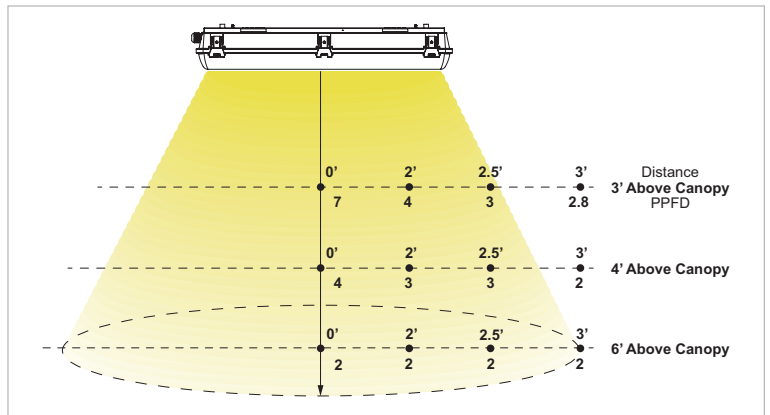


## BATTERY BACKUP - FLOWER ROOM TYPICAL LAYOUT\*

\*Custom Egress Layouts Provided at Request



## LIGHT DISTRIBUTION PERFORMANCE



Mounting height varies depending on the application.

Luminaire Schedule						
Symbol	Luminaire Qty	Luminaire Part Number	Luminaire Height	Arrangement	Luminaire Lumens	LLF
	3	GLE-GL-BB	12' - Above Finished Floor	SINGLE	735	1.000

Calculation Summary							
Description	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
FLOWER ROOM	Illuminance	Fc	1.44	2.3	0.6	2.40	3.83

## CEILING MAGNET MOUNT\* (GLE-GL and GLE-GL-277)



## CEILING MOUNTING PLATE\* (GLE-GL and GLE-GL-277)



\*Fixture intended to be installed in a horizontal orientation with the lens facing down when used with the magnet and mounting plate.

Specifications are subject to change without notice.  
Installation must be performed in accordance with  
Barron Lighting Group installation instructions.

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