

## Moltec/GE Series LED Lighting (GE 445W2449)



Moltec has supplied its purpose-built lighting products to GE Renewable Energy and its subcontractors across the globe for nearly fifteen years. As GE wind turbine system have advanced over the years, so too have Moltec lighting products, and with the age of LED lighting technology upon us, Moltec has now introduced it's GE Series LED lighting products.

Moltec's GE Series LED lighting fixtures are engineered and manufactured to meet or exceed GE Renewable Energy specifications 445W2449, and are readily available for delivery from our North American shipping points. The purpose engineered design, quality materials and the impeccable assembly of Moltec lighting products in our ISO9001/2015 environment are essential ingredients required to fulfill the expectations of GE Renewable Energy.

Moltec offers GE and its subcontractors unmatched customer service and support with its staff of highly experienced wind industry professionals in engineering, sales, and customer service. GE and its subcontractors across the globe have put their faith and trust in Moltec for many years recognizing our success in providing the best products and service available in the industry.

### **CASING:**

Structurally molded of high impact, highly flame-resistant glass reinforced plastic (GRP), the fixture casing by design is stylish, yet exceptionally durable in use and during tower, nacelle, or hub construction, as well as during transportation and handling.

The casing includes the engineered mounting locations and required mounting hardware per GE specifications, assuring proper mounting to GE designed light brackets. The required cable entry fittings and hole plug are included in a kit format shipped inside the casing.

### **LENSES:**

The durable and impact resistant Polycarbonate lens is loaded with features that provide outstanding light disbursement with an application specific prismatic design, and simplified fixture servicing with the lens secured to the casing using retained nylon lens clips that won't fall off during handling.

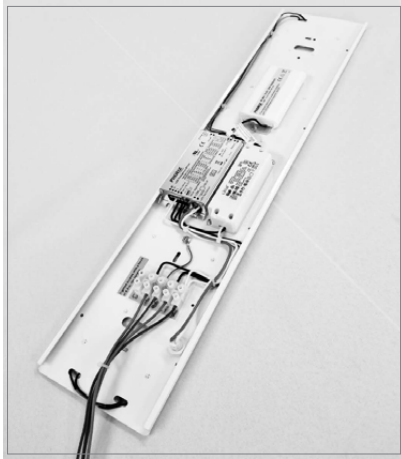
### **EMERGENCY LIGHTING:**

The Moltec GE Series LED lighting fixtures may be optionally equipped with an integrated emergency battery backup system. Under a full charge and in good operating condition, the light fixture so equipped, will provide up to 90 minutes of illumination consistent with GE 445W2449 P002 and P003, providing reduced illumination during tower/nacelle evacuation. Factory recommended system performance tests should be performed monthly on every emergency backup light fixture to verify proper system functionality. Optional Programmable Auto-Test Mode available.

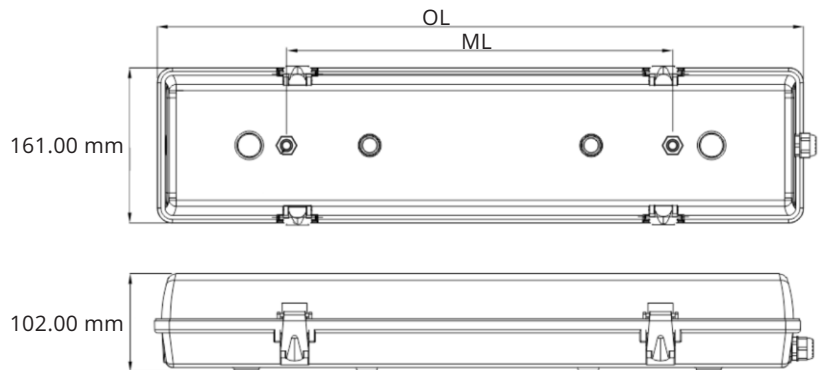
### **COLD WEATHER:**

When cold weather (CW) operation is a requirement, the GE 445W2449P003 includes our thermostatically controlled heating system to assure that the light fixture with an emergency backup system installed will perform per GE (CW) requirements. Models P001 and P002 do not require the heating system to meet the GE (CW) requirements.

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	LL02H210-6	LL02I210-6	LL02J210-6
GE Part Number	445W2449P001 / 445W2449P004	445W2449P002 / 445W2449P005	445W2449P003
Input Voltage Rating	100 VAC to 300VAC, 50Hz-60Hz		
Input Power Rating	23W	23W	23W (30.5W /w Heater)
Input Current Rating (Max)	0.23A	0.29A	0.23A (0.55A /w Heater)
Lumens Output	2100lm	2100lm	2100lm
Lamp Type	LED SMD, Cool White		
Operational Temperature	-30°C (-22°F) to 50°C (122°F)	0°C (32°F) to 50°C (122°F)	-30°C (-22°F) to 50°C (122°F)
Survival Temperature	-40°C (-40°F) to 60°C (140°F)	-15°C (-40°F) to 60°C (140°F)	-40°C (5°F) to 60°C (140°F)
Colour Temperature	5000K		
Estimated Operation Life	40,000 Hrs		
Battery Type	-	Li-ion	
Emergency Time	-	90 Minutes	
Battery Lifetime	-	5 years	



Part Number	GE Part Number	Description	ML		OL		Lamp Type	Weight	
			(mm)	(in)	(mm)	(in)		(lbs.)	(kg)
LL02H210-6	445W2449P001 / 445W2449P004	2ft Light, LED, Standard SW/CW	400	15.75	670	26.38	LED SMD, Cool White	4.29	1.95
LL02I210-6	445W2449P002 / 445W2449P005	2ft Light, LED, Emergency Backup, SW	400	15.75	670	26.38		7.30	3.31
LL02J210-6	445W2449P003	2ftLight, LED, Emergency Backup, Heating System, CW	400	15.75	670	26.38		5.71	2.59