

GRENTMLites

Lighting represents some 20-30 percent of electric enduse in most industrialised countries, and an even larger share in some lesser developed countries. GRENTMLites technology has shown the potential to drastically reduce lighting energy demand and costs while simultaneously improving productivity and human well being (international electricity analysis to 2025). Our series of GRENTMLites are the most advanced electrical light sources in the world. With 10000 hour rated life and the energy efficiency and colour rendition of the best fluorescent lamps, there is no other light source that provides so many benefits while also minimizing heat and CO2 output. With patented integrated circuit board technology and low frequency (no interference) electromagnetic induction, we have commercialised a unique lighting source that can be utilised in many applications (wattages ranging from 15 to 200 watts). Our worldclass research team is working to create even more advanced products based on induction technology that will expand applications both in residential and nonresidential use. PTLTMSOLAR strives to maintain the highest level of inter-national manufacturing and testing standards so that our products are durable and safe for the environment. Whatever aspect of lighting that you prioritize, GRENTMLites are superior in many categories. Energy efficiency, life, colour rendition, lumen depreciation, waste/heat output, glare etc. GRENTMLites are truly the next generation of electric lights that is set to displace several existing forms of electric lighting. Below we have listed most of the benefits of GRENTMLites. It is not an all encompassing list but you will see that they are the superior choice for many applications .



GRENTMLites features

- * Patented IC controlled electronic ballast.
- * No electrodes or filaments, external ferrite coils.
- * Wide voltage (120-277 V AC/12/24 V DC)/Wattage range (15 W - 200 W)
- * Available colour temperature: 2700K, 3500K, 4100K, 5000K, 6500K
- * Excellent Lumen maintenance over life.
- * Low EMC interference frequency of 210 KHz.
- * Reliable ignition at -35°C
- * Colour rendition, CRI 82 with no shifting over life.
- * High luminous Efficiency, 80 Lm/Watt.
- * Low total Harmonic Distortion (THD) 2.7%.
- * Superb Efficient Power Factor of 0.99.

Model	GES.SSL.GL 15	GES.SSL.GL 23	GES.SSL.GL 40	GES.SSL.GL 80
Solar Panel	50 Wp	80 Wp	120 Wp	75 Wp x 4
Battery	75 Ah	100 Ah	150 Ah	200 Ah x 2
Charge Controller	10 Amp	10 Amp	10 Amp	20 Amps
Pole Height	Less than 2 mtrs	Less than 4 mtrs	Less than 8 mtrs	Less than 12 mtrs
GES GRENTMLite				
Normal Voltage	220/120/277/12/24 DC	220/120/277,12/24 DC	220/120/277,12/24 DC	220/120/277/12/24 DC
Colour Temp. (K)	3500/4100	3500/4100	2700/3500/4100	2700/3500/4100
Life Span (Hrs)	100,000	100,000	100,000	100,000
Dimension (mm)	W-58 x H-149	W-78.5 x H-178	W-115 x H-235	W-115 x H-400
Ballast Dimension (mm)	L-171 x B-46.5 x H-46	L-171 x B-46.5 x H-46	L-181 x B-46.5 x H-46	L-181 x B-46.5 x H-46
Light Colour	White	White	White	White
Ambient Temp.	-20* C to 65 * C	-20* C to 65 * C	-20* C to 65 * C	-20* C to 65 * C

* Above specifications are for 8-10 hours of applications for dusk-dawn. Kindly send us your solar insolation details via return email.
 * 2 Years system warranty
 * Errors expected and possible alterations without prior notice.