

# GigaTera®

## TAKE SOUTH AFRICA BY STORM

The GIGA TERA LED range was initially introduced into the South African lighting market to supplement the successful ES Streetlight. In a short space of time the GIGA TERA lighting range has surpassed all expectations and is now a global leader in LED products.

The success of these products is reflected in their energy efficiency and their ability to improve existing lighting levels. The superiority of these world-class products is evident in the fact that they have already been awarded the Energie de France global energy efficient award for High Mast Lighting. The energy efficient project in the Nelson Mandela Bay Municipality (NMBM) showcased the GIGA TERA High Mast Lights, not only did it win this prestigious award but it caught the attention of the President and Minister of Energy. So much so that it has been endorsed by the Minister of Energy as "One of the best service delivery programmes ever undertaken by a municipality."

The success of this project has resulted in GIGA TERA replacing all the major road streetlights on NMBM's highways. These LED products have resulted in over 100% improvement with regards to lighting levels, whilst reducing energy consumption by 56% (The inset table reveals these impressive readings – these were captured by an independent engineer on behalf of NMBM).

### LIGHT READINGS – NMBM M4 SETTLERS HIGHWAY – 06 OCTOBER 2014

	4 x 400w HPS	4 x MAHA 200w LED
EAVE	10.9	22.6
Uo	0.69	0.86
UL 1	0.59	0.94
UL 2	0.59	0.91
UL 3	0.61	0.86

### TSHWANE BUS RAPID TRANSPORT SYSTEM (BRT)

Tshwane Bus Rapid Transport System (BRT) has identified GIGA TERA products as their preferred lighting solution. GIGA TERA has been awarded this contract and there is no doubt that it will be as successful as the NMBM project. The BRT is a high-status project; it involves the supply of luminaires together with an integrated management and monitoring system. GIGA TERA

together with the Tshwane Municipality aim to produce an energy efficient and effective solution for the BRT System.

### THE SECOND-GENERATION HAS ARRIVED

GIGA TERA have introduced the second-generation LED products into the South African commercial and industrial lighting industry. The range includes High Bays, Floods, Wallpacks, Troffers, Security, Sports and Car Park lighting. This range covers a spectrum of wattage and applications.

The Products manufactured by KMW are second-generation LED products that utilise highly sophisticated reflector technology, this reduces glare as well as creates excellent uniformity. The luminaire is designed in such a manner that it maximizes heat dissipation and performance. The second-generation luminaires generate quick paybacks as the lights put out over 120lm/w on the fixtures. Thus resulting in the creation of more light with less wattage.

Another attractive feature of GIGA TERA products is that (before being launched into the market) the entire product undergoes an accelerated heat test ( $\pm 80^{\circ}\text{C}$ ) for a period of two months. This ensures sustained functionality over the products extended life. Majority of competitors' products use systems known as "Thermal Controllers". These "Thermal Controllers" reduce light in order to manage the build-up of heat. GIGATERA considers this inappropriate as these systems not only create dangerous situations but cannot guarantee operations at the designed lux levels at all times.

**GIGA TERA's dedication and determination in providing an energy efficient and effective luminaire is evidence that they are the ultimate lighting solution.**

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