



## SOLAR POWER APPLICATION

### MAXALUX -2 STREETLIGHT



*The solar powered street light uses an efficient lamp head and compact fluorescent lamp powered by a solar photovoltaic module, and using a lead-acid battery for storage.*

*All components of the system are mounted on or near the top of a straight steel or wood pole to suit.*

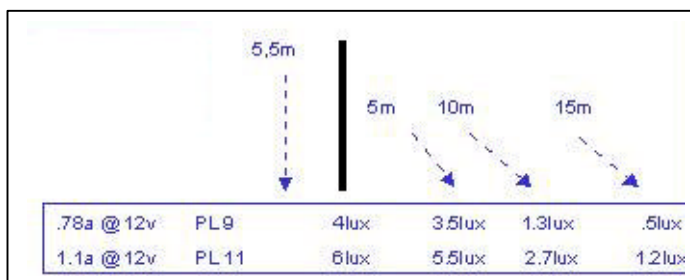




## TECHNICAL DATA

<b>Luminaire type:</b>	Type Bekalux, grey UV stabilised polypropylene. The clear diffuser is hinged with 3 stainless steel clips. The lamp and control gear are housed within separate compartments in the luminaire
<b>Protection class:</b>	IP65 lamp compartment IP43 control gear compartment
<b>Reflector system:</b>	Specially designed reflector system manufactured from 99% super pure deep anodized aluminum.
<b>Lamp type:</b>	11W compact fluorescent, cool white light
<b>Control gear:</b>	Solar regulator / lamp control gear combination housed in the luminaire within a separate compartment. Boost / Float regulator provides for load shed, temperature compensation, overcharge. Light switches on at sunset and off at sunrise, alternatively timed on/off period (optional). The control gear is mounted on a mild steel plate in the housing. Access to the control gear is via hinged polypropylene cover fastened with a captive stainless steel screw.
<b>Pole:</b>	straight steel or wood pole, to suit
<b>Solar module:</b>	Kyocera type KC50 as per specification, 50Wp
<b>Battery:</b>	SEC bloc-gel 12TLG100 sealed, high cycle GEL as per specification, 12V, 100AH, alternatively Deltec 1250, 12V, 105Ah, semi-sealed
<b>Mounting of equipment:</b>	The luminaire is mounted to the pole by means of a galvanised spigot shaft which clamps around the pole. The battery is housed in a polyethelene box with lid, which is mounted at the top of the pole under the solar module, via a bracket clamped to the pole. The solar module is mounted on a bracket, which is attached to the pole at the appropriate ( fixed) angle of inclination. In this way the solar module provides shading protection to the battery.

## **Typical light intensities:**



Specifications are subject to change without prior notice. 260901