

New

SOLAR BILL BOARD

MIRAM™

automelecsystems



the only autonomous solar system used for the lighting of billboards: MIRAM™. This system is composed by special innovative lamps of new generation and very low consumption, developed and manufactured after many years of studies and researches in the field of high intensity Led lighting. These lamps are powered by photovoltaic modules.

The big advantages of this system like : the complete independence from grid, the lifetime of lamps (100.000 hours 22 working years!), the long lasting of photovoltaic modules (over 30 years), low working voltage (12VDC) so not dangerous, no need of works for excavations and cables connections, very white light and low consumption, no maintenance, no bills to pay, etc... make the cost of the whole system amortizable in just few years, with a high profit.

Additional information on cost reductions and pay-back time of the system, can be found on the comparative table.

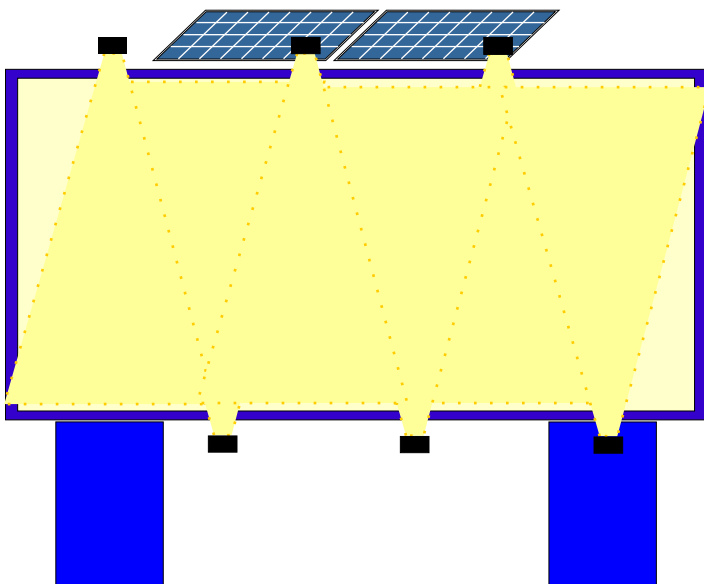
The completely autonomous functioning makes the system very efficient : during the day the modules charge the batteries (sized for 3 days of autonomy no sun) and in the evening the charge controller Rigel™ 12 with built-in morning light function switches on the lamps that will be switched off automatically at sunrise for 12 hours per night.

With this built-in function there is no need to install an external morning-light function.

Moreover, with this charge controller it is possible to set up the switch on of lamps up to a maximum delay of 2 hours after sunset.

MIRAM™ system is composed of :

- 2 PV Modules IS110P 110Wp 12V
- 6 Led lamps high luminous intensity, complete of IP65 arm
- 2 Lead acid dry batteries 230Ah 12Volts
- 1 Charge controller Rigel™ 12 12A 12/24Volts



Electrical and Technical Data

Lamp	LED 8W white light
Luminous intensity	Lux 450
LED Lamp average lifetime	100.000 hrs (22 years)
Working temperature	°C da -20 a +60
2 Photovoltaic modules	IS110P 110Wp 12V
Charge controller	Rigel™ 12
2 Lead acid dry batteries	230Ah
Morning light function	Electronic
System voltage	12 Volts

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