# SAFE JOURNEY EVERYWHERE

- **iSolarex is powered by solar cells**
- **High performance in low annual sunlight exposure**
- **Mechanically robust and UV resistant**
- **Operates in a very broad range of temperatures**
- **Emits LED light visible over a distance of up to 1,000 m**
- **Uses state-of-the-art microprocessor technology**
- **Environmentally friendly**
- **With an option to monitor and signal road conditions**
- **Designed and manufactured in the EU**

At Solarex we perfectly understand that what really matters is the journey itself, not the destination. With this in mind, we have created a product to make every journey safe: an active road marker iSolarex.

iSolarex is a smart, highly efficient source of light powered by solar energy. The marker was designed with a broad array of applications in mind and may be programmed depending on its intended use and installation location.

The iSolarex road marker represents a new range of products that revolutionize road marking systems. The product was developed capitalizing on many years of experience and expertise, it is environmentally friendly and incorporates recyclable materials with cutting edge technology. iSolarex markers emit bright LED light and improve visibility of road markings, particularly in challenging weather conditions. From dusk to dawn drivers are able to see the road and pedestrian crossings over a distance of up to 1,000 meters. This means that when driving at 100 km/h with a very long braking distance the driver has much more time to react, which dramatically improves driving safety and reduces the number of accidents, particularly at night.

Active iSolarex lighting is visible in all road conditions unlike passive road markers that reflect the light from vehicle headlamps and must protrude above the road surface to expose their reflecting surface.

Active road markers iSolarex are free of the drawbacks of passive markers. They are always fitted at the road surface level to avoid the risk of damage by road vehicles driving over them. This also protects the markers during snow removal.

iSolarex markers are programmable to meet customer requirements. For instance, iSolarex markers may be controlled and coordinated by traffic lights or by changing colors and lighting frequency may warn against very high or low surface temperatures or black ice.

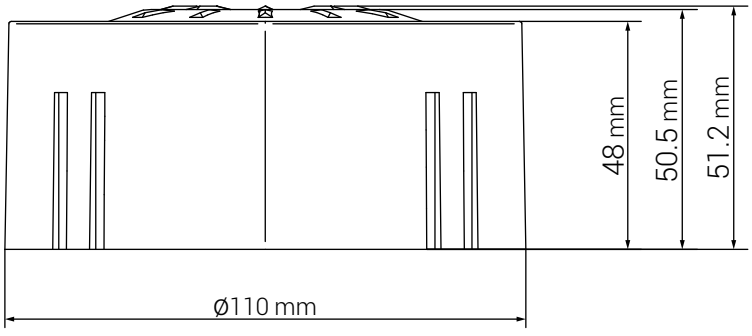
| | | | | | |
|---|---|---|---|---|---|
| RM110C3200LWN | 5905669866521 | RGB | 3200mAh | - | - |
| RM110W3200LWN | 5905669866538 | WHITE | 3200mAh | - | - |
| RM119C3200LWS | 5905669866545 | RGB | 3200mAh | ISM 868MHz | YES |
| RM110W3200LWS | 5905669866552 | WHITE | 3200mAh | ISM 868MHz | YES |

### ELECTRICAL PARAMETERS

- rated voltage 3.7V
- accumulator capacity 3200mAh

### OPTICAL PARAMETERS

- light emitter LED RGB / LED WHITE
- max. light flux 7lm / 2500mcd
- wavelength LED RED color 620-630nm
- wavelength LED GREEN color 520-535nm
- wavelength LED BLUE color 465-475nm
- CCT LED WHITE color 6500K




### MECHANICAL PARAMETERS

- compressive strength 100kN
- projection (max.) 3.2mm
- housing material POLYCARBONATE
- IP protection IP67
- sealing POLYURETHANE
- size Ø110x48
- net weight 100g

### OPERATING PARAMETERS

- operation mode STEADY / FLASHING
- on/off level 150Lux / 370Lux
- operating temperature -30°C to +60°C
- max. operating time 2000h
- Min. charging
  sunny / cloudy day 1h / 3h

## Applications:

- All types of road surfaces
- Streets with poor lighting or without lighting
- Pedestrian crossings
- Bike lanes
- Parking lots and driveways to hotels or private homes
- Gas stations
- Unguarded level crossings