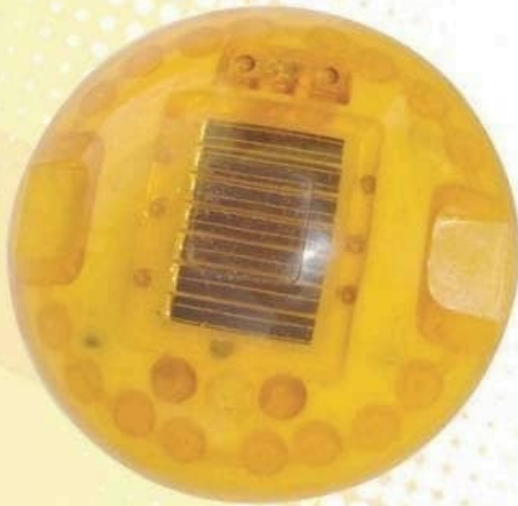


# SOLAR ROAD MARKER LIGHT BT-1

E  
L  
E  
C  
T  
R  
O  
N  
I  
C  
  
S  
A  
F  
E  
T  
Y  
  
S  
I  
G  
N  
A  
G  
E



## FEATURES:

- High resistance to friction, abrasion, impact, and heavy blows
- Lightweight body with smooth surface and no sharp edges
- Dual functionality as a speed reducer for two-way roads and channelizing applications
- Self-recharging system with automatic nighttime activation after daytime sunlight exposure
- Ergonomic grooves for easy handling and installation
- Solar technology design with high-efficiency flashing LED, service life exceeding 10 years
- High visibility under adverse weather conditions

## Technical Specifications:

<b>Manufactured in:</b>	Polycarbonate
<b>Total weight:</b>	0.30 lb
<b>Specific gravity (density) (ASTM D 792):</b>	1200 kg/m <sup>3</sup>
<b>Water absorption, 24 hrs at 73.4 °F (ASTM D 570):</b>	0.15%
<b>Vicat softening temperature (11 lb load) (ASTM D 1525):</b>	293-302 °F
<b>Rockwell hardness (ASTM D 785):</b>	70-80 M scale
<b>Tensile strength (ASTM D 638):</b>	60-65 MPa
<b>Elongation at break (ASTM D 638):</b>	80-100%
<b>Flexural modulus (ASTM D 790):</b>	2300 MPa
<b>Impact strength, IZOD (ISO 180):</b>	60-80 kJ/m <sup>2</sup>
<b>Dielectric strength (ASTM D 149):</b>	20 kV/mm
<b>Compressive strength (maximum load):</b>	350 MPa
<b>Miniature solar panel:</b>	Silicon
<b>Solar panel dimensions:</b>	L: 30 mm x H: 40 mm x W: 0.2 mm
<b>LED color:</b>	High-intensity red
<b>Approximate service life:</b>	100,000 h
<b>LED luminous intensity:</b>	> 6500 mcd
<b>Extended-life rechargeable batteries:</b>	Ni-MH
<b>Battery capacity (no memory effect):</b>	650 mAh
<b>Flashing sequence:</b>	1 flash per second (60 flashes per minute)
<b>Lens color:</b>	Amber
<b>Overall dimensions:</b>	Diameter: 3.9 in, Height: 0.78 in
<b>LED visibility distance:</b>	164 yd
<b>Circuit efficiency:</b>	36 hours operating time with 7 hours of charge
<b>Flashing light sequence</b>	Direct solar exposure 60 flashes per minute

