

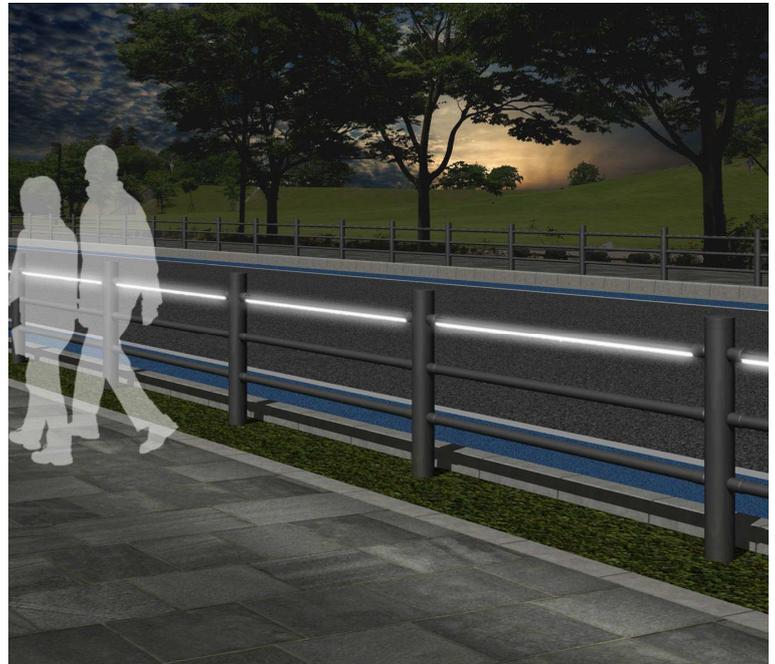
SolarLED BEAM

SBM427-2000/1000
SBM486-2000/1000

A simple design that does not spoil the landscape by integrating the solar, LED, and storage battery. The energy generated by sunlight is stored in a lithium iron phosphate battery, The LED will light up automatically when it gets dark.

- ✓ **Dark school road at night**
- ✓ **Gaze guidance in the Event of a disaster**
- ✓ **Boundary between Waterway and gutter**
- ✓ **Clarification of dangerous Places**

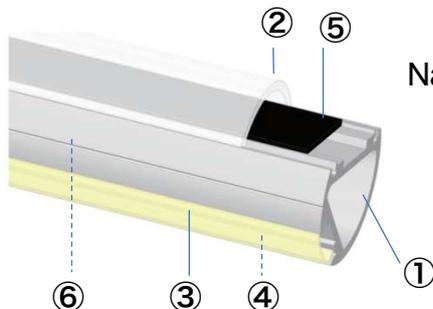
No electrical work required, no maintenance.
Easy operation.
Newly installed by attaching a bracket,
Compatible with existing guard rails.



Gently irradiate the roadside.
In addition, it plays a role of guiding the line of sight because it has good visibility from a distant place.

Features

- | | | |
|--|-------|---|
| Excellent power generation efficiency | | The power used on one day is OK with about 90 minutes of Power generation (in fine weather) |
| Long life | | Expected life of storage battery is about 10 years |
| Guard rail standard strength | | The main body is made of aluminum and conforms to the guard Rail standard P class |
| Solar cover that combines transparency, Weather resistance, and strength | | Two-layer structure of special engineering plastic and polycarbonat |



- Name of each part
- ① Body
 - ② Solar cover
 - ③ LED cover
 - ④ LED
 - ⑤ Solar cell
 - ⑥ Controller battery



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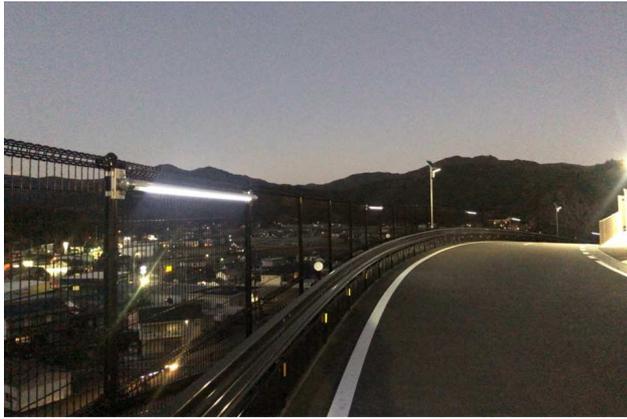
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Example of installation

Attached to the existing fence



Attached to the existing fence



As a waterway fall prevention



As a waterway fall prevention



As a waterway fall prevention



Use of footlight / line-of-sight guidance



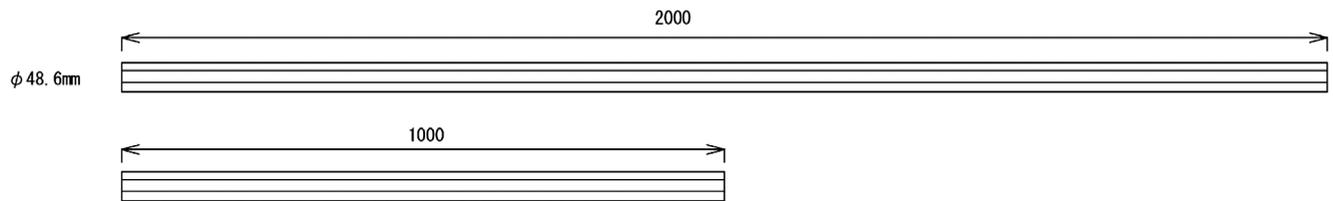
Attached to the existing guard rail



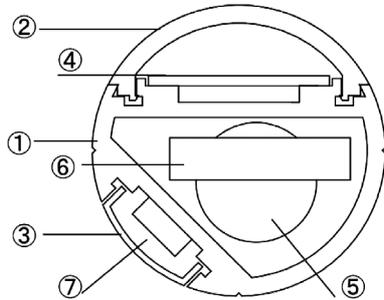
Attached to the existing guard rail



Specification



Moment of inertia



Composition	
Size	φ 48.6 L 2000/1000mm
① Body	Aluminum alloy A6063 / T5
② Solar cover	Polycarbonate / acrylic two-layer structure
③ LED cover	Polycarbonate
④ Solar cell	Single crystal silicon
⑤ Storage battery	Lithium iron phosphate battery
⑥ Control board	Charge / discharge / output control
⑦ Light source	LED

Moment of inertia cm ³	Zx	2.79
	Zy	4.27
Moment of inertia of area cm ⁴	Ix	5.71
	Iy	10.44

Product name	SBM486-2000	SBM486-1000	SBM427-2000	SBM427-1000
Size	Φ48.6 2000mm	Φ48.6 1000mm	Φ42.7 2000mm	Φ42.7 1000mm
Emission color	White / bulb color			
Material	Body: Aluminum compound A6063 / T5 Solar cover: 2 layers of special engineering plastic polycarbonate LED cover: Polycarbonate			
Solar cell	Single crystal silicon			
	6.4W	3.2W	6.4W	3.2W
Storage battery	Lithium iron phosphate battery			
	6.4V / 3A 19.2Wh			
Lighting time	Lights up all night			
Turn on / turn off	Solar cell voltage detection automatically: Turns on when the sun goes down and turns off automatically when the sun goes down			
Sunlight guarantee	5th	7th	5th	7th

* Uses a lithium iron phosphate battery, which is highly safe and does not generate heat in the storage battery.

* Be sure to install it in a place exposed to direct sunlight.

* Built-in humidity control agent. It may take several days for the condensation to disappear.

Patent registration

U.S.A.

Patent registration US1018591254, B2 Registration date December 8, 2020

LUMINOUS PROTECTIVE FENCE

Japan

Publication of patent application Japanese Patent Application Laid-Open No. 2019-7259

Title of invention: Luminous guard rail

Solar Luminous Bali Car

SUN-SBM1000BC
SUN-SBM1500BC



Two types of wide dimensions, 1500 mm and 1000 mm.

We will correspond to the paint color.



Strut diameter is 48.6 mm

Always lit at night

Light emitting part is removable

Adopt SBM486

Basic dimensions are □ 250L 250mm

