PRODUCT SPECIFICATION

93012

TORRE SOLAR BOLLARD

The TORRE solar is a further development on the normal TORRE and can be placed anywhere. So you don't need any cables, installing the TORRE solar is quick and easy. The fixture is equipped with a PV panel in combination with a state-of-the-art built-in control electronics and energy storage. The solar energy is stored as efficiently as possible and released to the LED module in a smart way. Due to the contemporary and slender design and the aging of the wood, the luminaire is barely visible during the day, but the TORRE really comes to life in the dark.

PROJECT EXAMPLES

Coastal path

RELATED PRODUCTS

93002 EYE – Solar bollard

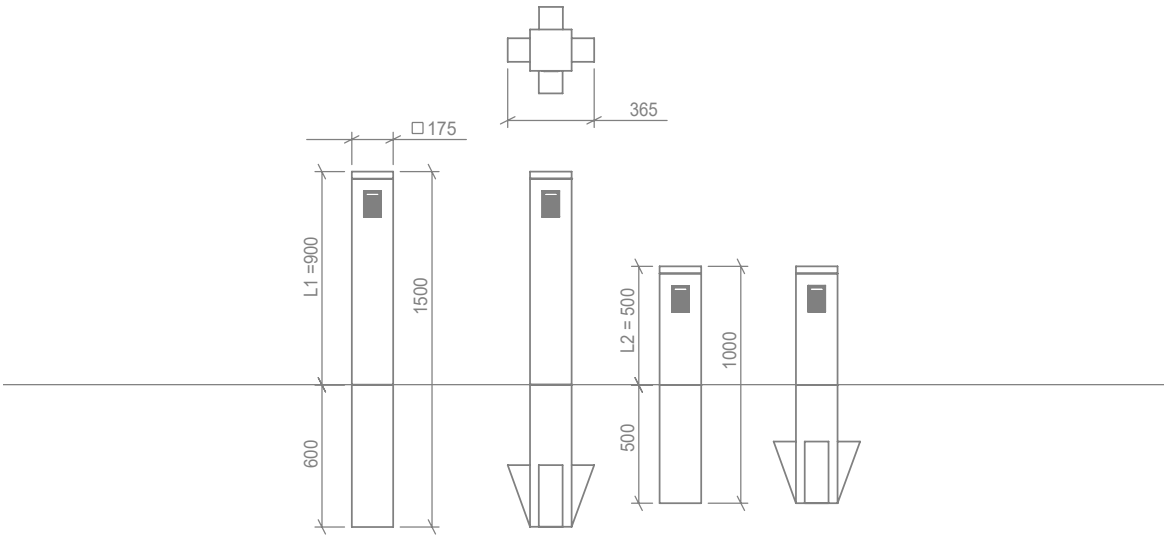
PRODUCT SPECIFICATION

SPECIFICATIONS

- **IP class:** IP66
- **Power per LED module:** 1-Watt max.
- **Colour fixture:** Gray RAL 7016
- **Lumen output per LED module:** Lumen output varies depending on the season and weather type.
- **Beam angle:** The LED module has a beam angle of 120 degrees.
- **Lifespan:** Every type of wood has its own durability rating More information about this can be found under "Types of wood" & "Sustainability". The LED module has an expected lifespan of> 100,000 hours.
- **Lighting data:** Lighting data available on request.

OPTIONS

- **Wood type:** Oak or Accoya
- **Quality mark:** FSC or PEFC
- **Accessories:** An anti-theft solution is available for the EYE solar, which makes the pole more difficult to remove.
- Light colour: Available in 2.700, 4.000 K and amber (593 nm).
- **Sensor:** The luminaire can be fitted with a built-in PIR presence sensor. The LED will illuminate at 10% after switching on. When motion is detected, the LED will switch temporarily (5 min) to the maximum light output.
- **Variations:** At Timberlab, every luminaire is carefully produced for you. In addition to the standard options, we like to create variations for your specific application.



L = Length

	Weight	CO2 storage	Weight	CO2 storage	Weight	CO2 storage	Weight	CO2 storage
Oak	26 kg	41 kg	26 kg	41 kg	14 kg	23 kg	14 kg	23 kg

Only products indicated with the FSC® claim are FSC certified and come with our FSC-certificate number NC-COC-029615-KE. Only products indicated with the PEFC™ claim are 100% PEFC certified and come with our PEFC-certificate number NC-PEFC/COC-029615-FJ.

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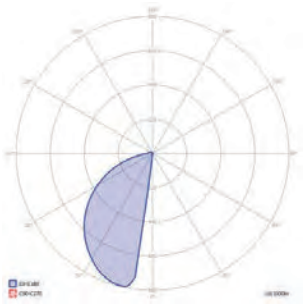
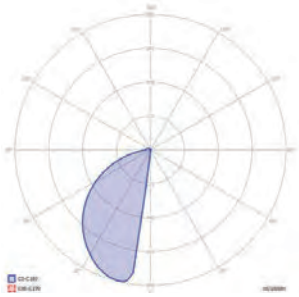
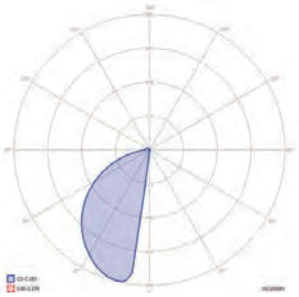
PRODUCT SPECIFICATION

LEDMODULES







	TBL wall module 2.700K	TBL wall module 4.000K	TBL wall module AMBER 593 nm
Voltage (optional)	230 VAC 12-24V AC/DC	230 VAC 12-24V AC/DC	230 VAC 12-24V AC/DC
Power	1W	1W	1W
Power factor	0.39*	0.39*	0.37*
Lumen output	20 lm	29 lm	10 lm
Efficiency	20 lm/W*	29 lm/W*	10 lm/W*
Light temp.	Warm WhIte 2700K 2683K*	Cool White 4000K 3981K*	AMBER x=0.5853 y=0.4043*
CRI	84*	72*	n.v.t.
Dimmable	op request	on request	on request
Label	B	B	B
IP grade	IP 66	IP 66	IP 66
Beam angle	105x50*	105x50*	105x50*
Number of LEDs	2	2	2
Temperature range in operation	-20...+50°C	-20...+50°C	-20...+50°C
Lifespan	100.000 h	100.000 h	100.000 h

* Gemeten waarden

ATTENTION! – INSTALLATION WITHIN 4 WEEKS
Important:
• To prevent damage to the battery, this Solar product must be installed within 4 weeks of delivery.
• If the product is not installed within this period, the battery can discharge too much and become damaged.
• During installation: Remove the plastic key (pin) from the stainless steel cover. Break the seal on the key and place it back into the opening of the stainless steel cover.

These units are battery powered and should not be stored for extended periods of time prior to installation. If left inactive, the batteries may discharge and become flat over time.

Hornbeck shall not be held liable for any batteries that cease to function where products have been kept in storage, following delivery, and before installation on site.

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During installation:

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- Break the seal on the key and place it back into the opening of the stainless steel cover.

View the full installation manual: https://timberlab-solutions.com/en/manuals/

Questions or need assistance?
Please feel free to contact us. We are happy to help.
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