

# ***SELF CONTAINED SOLAR POWERED LED BEACON TYPE SPB200 5 NM***

## **DATASHEET**

**The solar powered beacon SPB200 type is a compact, easily maintained beacon of small dimensions with a high measure to resist vandalism.**

**The cabinet is cast in stainless steel AISI 316 of 1,5 mm thickness, and the surface is treated against corrosion, the shape is a part-cylinder, with the backside provided with a screwed on door with thief resistant bolts.**

**The battery-rack is part of the housing and supplies a good deal of rigidity of the solar powered beacon.**

**The navigation lantern is placed on the upperside of the solar powered beacon and mounted once again with thief resistant bolts.**

**The bottom of the solar powered beacon is provided with 4 mounting holes to enable easy mounting of the beacon on the lightfixture.**

**Holes in the bottom allow ventilation of the batteries.**

**It is also possible to mount the solar powered beacon with a flange on a tubepost.**

**As an option, the solar powered beacon can be made with a solid back panel and closable hinged door.**



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The electrical system consists of 2 bonded-on flexible solargenerators with a combined maximum output of 64 watt peak. These special solargenerators are excellent in resisting vandalism. charge characteristics in dark weather conditions is about 20% higher than crystalline solar generators and therefore specially suited for northern regions.

The battery pack has a capacity for maximum 4 pieces batteries, 12 volt 115 amph requiring a minimum of maintenance.

The batteries are directly connected via 10mm<sup>2</sup> cables.

Connections between the solargenerators and navigation lantern is via the in the upperside mounted cabinet with fused terminals.

The maximum range of the beacon is more then 5 NM with fixed character.

Weight of the complete solar powered beacon is about 150 kilograms.

The focal plane of the navigation lantern is about 1600 mm.



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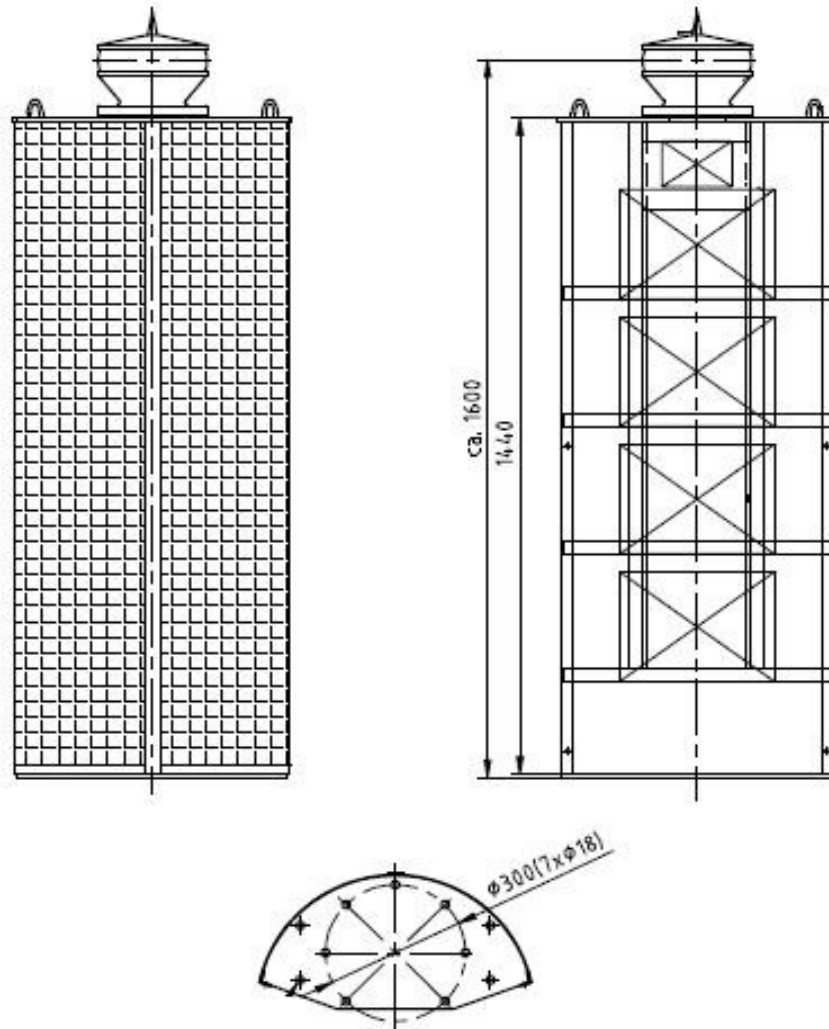
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Drawing:



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