

SERIE TPR • BEACON TOWERS



The TPR series is a special concept in GRP (fiberglass reinforced polyester) towers intended for use in solar powered nav aids beacon installations.

They have a lattice type hot-dip galvanized steel structure and a GRP outer protective covering withstanding the most severe marine conditions.

Features

- Modular design allows easy transport and erection at remote light stations.
- Heights up to 25 m.
- Construction in corrosion resistant materials.
- Internal lattice structure made in hot-dip galvanized steel.
- Colour impregnated GRP modules with UV stabilised isophthalic gel coat and resin.
- Each GRP module comprises three or six segments sealed and internally bolted together.
- Designed to withstand severe splashed wind gale forces of more than 200 km/h.
- Exceptional reliability, higher than ordinary GRP towers and constant, during the whole life of the tower thanks to its internal structure.
- Towers are ideally suited for solar powered installations.
- Easy and safe access to the top platform.
- Stable and spacious top platform with safety handrail.
- It has enough space to accommodate the installation of aids-to-navigation complete equipment such as rotating or flashing beacon, solar power system including battery container, racon and external or internal radar reflector.
- Lightning protection equipment available.
- Complete interchangeability of outer GRP panels is possible even after final installation.
- Easy access door with vandal-proof locking system.
- Good day mark result.
- Red, green, yellow, white and black module colours according to IALA Recommendations. Other colours also available.

Design configuration

	Model			
	TPR96	TPR146	TPR200	TPR250
Platform height	9.6 m	14.6 m	20 m	25 m
Platform	2 m ø	2 m ø	4 m ø	4 m ø
Weight*	3,000 kg	4,500 kg	6,200 kg	7,700 kg
Shipping volume*	36 m ³	50 m ³	57 m ³	60 m ³

⁽¹⁾ Depending on configuration

Using different module combinations, other intermediate models can be supplied on customer request.

