



TYPE RTB-6



LIGHT TOWER (Resilient Buoy)

The Light Tower was developed to meet the needs of lighted buoys that have minimal lateral movement, or "swing." Ideal for narrow channels, it is connected to its sinker by a universal joint instead of a chain. So unlike the conventional buoy, it does not swing around as much as a lighted buoy with chains, thereby eliminating accidents. Its safety, practicality and usefulness is proven in the sea around the Kansai International Airport and the cross bay roads of Tokyo Bay.

The Light Tower is:

- Ideal for narrow channels. The body of the Light Tower and sinker are directly connected by a universal joint, which prevents it from swinging around.
- More durable. The Tower is resistant against friction and its life span is long since it does not require any chains.
- Toughness against a ship's crashing force. In cases where it hits a ship, the structure allows the Light Tower to move to the opposite direction, reducing shock of the impact.
- Easy installation. Installation is very easy since the tower body and the sinker are linked by a universal joint.
- Excellent performance. It stands vertically from the seabed. The lantern can thus be maintained at a high position.
- Precision. Design is based on computer analyses of the dynamic movements of the Light Tower against external forces such as wave, current and wind.
- Easy maintenance. Its vertical stands minimize lateral movements or "swing" as compared to other types of buoys, which allows easy and safe maintenance.

SPECIFICATIONS

TYPE	RTB-6	RTB-6RA	RTB-19	RTB-80
WATER DEPTH	5m-7m	8m-12m	12m-15m	16m-19m
LANTERN	FA-249(φ155mm FRESNEL LENS)			
LUMINOUS INTENSITY	81cd (12V, 6.6W YELLOW)			
LUMINOUS RANGE	5.1 N.M (T=0.74)			
POWER SOURCE	SOLAR PANEL & RECHARGEABLE BATTERY)			
MATERIAL	STEEL			

LIGHT TOWER

