

### SPECIFICATIONS

TYPE	H-290B-123	H-290B-249	H-290-123	H-290-249
HEIGHT OVERALL	APPROX. 5.0m	APPROX. 5.2m	APPROX. 5.7m	APPROX. 5.9m
FOCAL PLANE HEIGHT	APPROX. 2.9m	APPROX. 3.0m	APPROX. 3.0m	APPROX. 3.1m
BODY DIAMETER	APPROX. $\phi$ 1.5m			
TOTAL WEIGHT	APPROX. 1300kg		APPROX. 1000kg	
RESERVED BUOYANCY	APPROX. 1200kg		APPROX. 1400kg	
LANTERN	RL-123	FA-249	RL-123	FA-249
LENS	$\phi$ 123mm FRESNEL LENS	$\phi$ 155mm FRESNEL LENS	$\phi$ 123mm FERSNEL LENS	$\phi$ 155mm FRESNEL LENS
CHARACTERISTICS	12V, 4.8W LED LAMP Fl.4sec.	12V, 6.6W Fl.4sec.	12V, 4.8W LED LAMP Fl.4sec.	12V, 6.6W Fl.4sec.
LIGHT COLOR	CLEAR, YELLOW, RED or GREEN			
POWER SOURCE	SOLAR PANEL & RECHARGEABLE BATTERY			
BODY MATERIAL	STEEL			

### SPECIFICATIONS

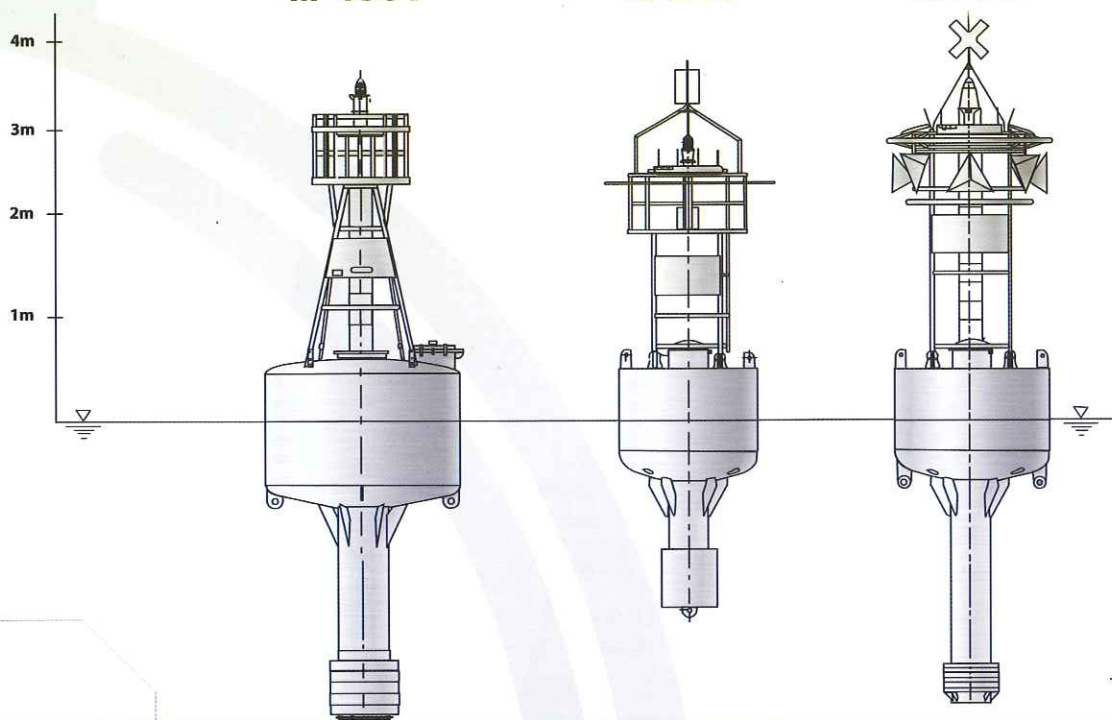
TYPE	M-350T-123	M-350T-249
HEIGHT OVERALL	APPROX. 7.5m	APPROX. 7.7m
FOCAL PLANE HEIGHT	APPROX. 3.5m	APPROX. 3.6m
BODY DIAMETER	APPROX. $\phi$ 2.0m	
TOTAL WEIGHT	APPROX. 2.0ton	APPROX. 2.0ton
RESERVED BUOYANCY	APPROX. 2.7ton	APPROX. 2.7ton
LANTERN	RL-123	FA-249
LENS	$\phi$ 123mm FRESNEL LENS	$\phi$ 155mm FRESNEL LENS
CHARACTERISTICS	12V, 4.8W LED LAMP Fl.4SEC.	12V, 6.6W Fl.4sec.
LIGHT COLOR	CLEAR, YELLOW, RED or GREEN	
POWER SOURCE	SOLAR PANEL & RECHARGEABLE BATTERY	
BODY MATERIAL	STEEL	

# LARGE TYPE LIGHTED BUOYS

**M-450T**

**M-210**

**M-240**



## SPECIFICATIONS

TYPE	M-450T-123	M-450T-249	M-210-123	M-210-249
HEIGHT OVERALL	APPROX.8.7m	APPROX.8.9m	APPROX.7.4m	APPROX.7.6m
FOCAL PLANE HEIGHT	APPROX.4.5m	APPROX.4.6m	APPROX.4.0m	APPROX.4.1m
BODY DIAMETER	APPROX.φ 2.6m		APPROX. φ2.1 m	
TOTAL WEIGHT	APPROX.5.5ton		APPROX.3.6 ton	
RESERVED BUOYANCY	APPROX.3.2ton		APPROX.2.4 ton	
LANTERN	RL-123	FA-249	RL-123	FA-249
LENS	φ123mm FRESNEL LENS	φ155mm FRESNEL LENS	φ123mm FRESNEL LENS	φ155mm FRESNEL LENS
CHARACTERISTICS	12V,4.8W LED LAMP Fl.4sec.	12V,6.6W Fl.4sec.	12V,4.8W LED LAMP Fl.4sec.	12V,6.6W Fl.4sec.
LIGHT COLOR	CLEAR, YELLOW, RED or GREEN			
POWER SOURCE	SOLAR PANEL & RECHARGEABLE BATTERY			
MAIN MATERIAL	STEEL			

## SPECIFICATIONS

TYPE	M-240-123	M-240-249
HEIGHT OVERALL	APPROX.9.7m	APPROX.9.9m
FOCAL PLANE HEIGHT	APPROX.4.4m	APPROX.4.5m
BODY DIAMETER	APPROX.φ2.4m	
TOTAL WEIGHT	APPROX.3.9ton	
RESERVED BUOYANCY	APPROX.4.0ton	
LANTERN	RL-123	FA-249
LENS	φ123mm FRESNEL LENS	φ155mm FRESNEL LENS
CHARACTERISTICS	12V,4.8W LED LAMP Fl.4SEC.	12V,6.6W Fl.4sec.
LIGHT COLOR	CLEAR, YELLOW, RED or GREEN	
POWER SOURCE	SOLAR PANEL & RECHARGEABLE BATTERY	
MAIN MATERIAL	STEEL	





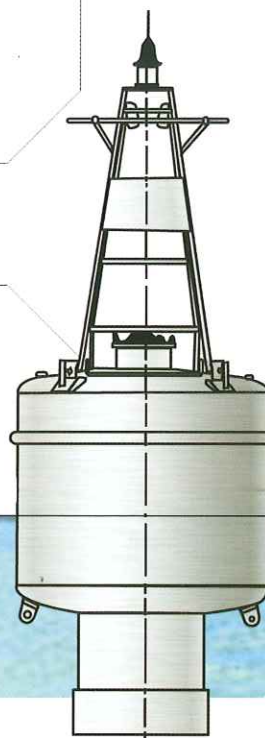
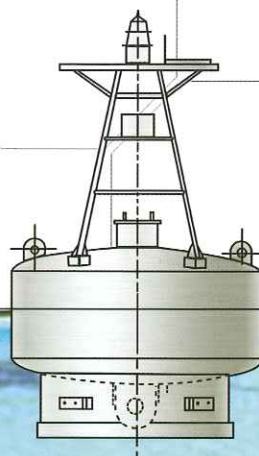
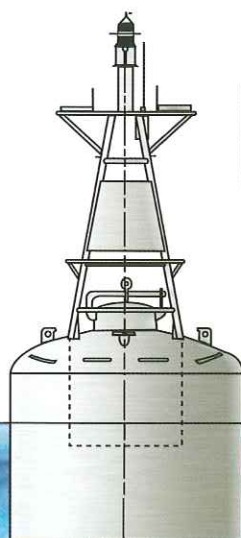
# SOLAR POWERED LIGHTED BUOYS

**H-290BN**

**MS-240**

**MS-400**

4m  
3m  
2m  
1m



## SPECIFICATIONS

TYPE	H-290BN-123	H-290BN-249	MS-240-123	MS-240-249
HEIGHT OVERALL	APPROX. 4.7m	APPROX. 4.9m	APPROX. 3.8m	APPROX. 3.9m
FOCAL PLANE HEIGHT	APPROX. 3.3m	APPROX. 3.4m	APPROX. 2.6m	APPROX. 2.7m
BODY DIAMETER	APPROX. $\phi$ 2.0m		APPROX. $\phi$ 2.4m	
TOTAL WEIGHT	APPROX. 3.2ton		APPROX. 1.8ton	
RESERVED BUOYANCY	APPROX. 1.4ton		APPROX. 2.3ton	
LANTERN	RL-123	FA-249	RL-123	FA-249
LENS	$\phi$ 123mm FRESNEL LENS	$\phi$ 155mm FRESNEL LENS	$\phi$ 123mm FRESNEL LENS	$\phi$ 155mm FRESNEL LENS
CHARACTERISTICS	12V, 4.8W LED LAMP Fl.4sec.	12V, 6.6W Fl.4sec.	12V, 4.8W LED LAMP Fl.4sec.	12V, 6.6W Fl.4sec.
LIGHT COLOR	CLEAR, YELLOW, RED or GREEN			
POWER SOURCE	SOLAR PANEL & RECHARGEABLE BATTERY			
BODY MATERIAL	STEEL			

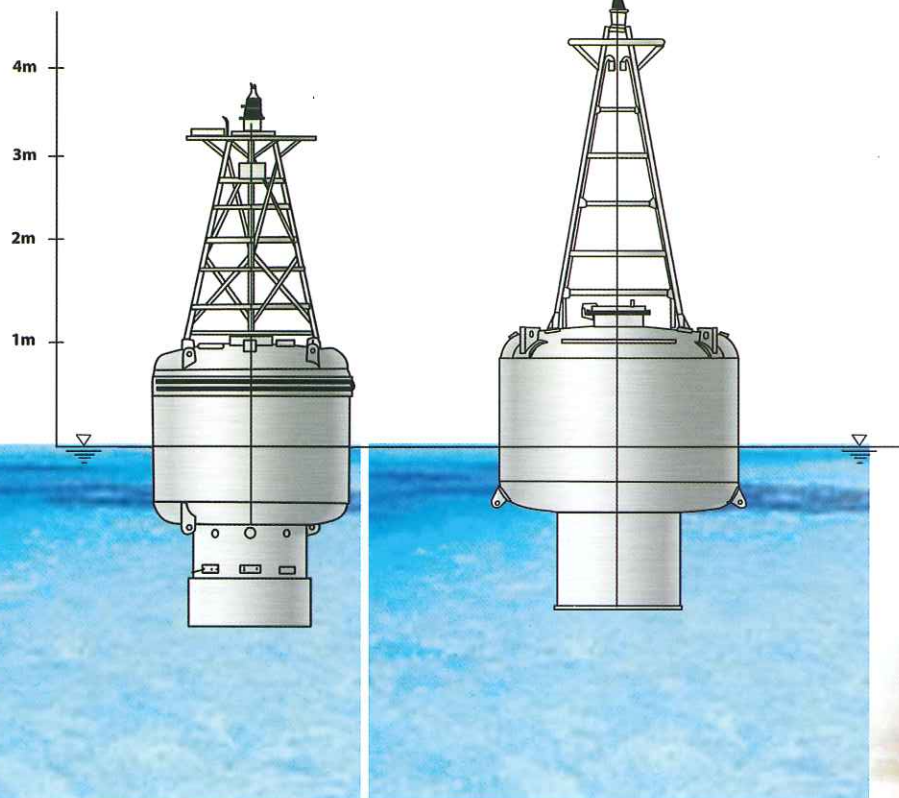
## SPECIFICATIONS

TYPE	MS-400-123	MS-400-249
HEIGHT OVERALL	APPROX. 5.8m	APPROX. 6.0m
FOCAL PLANE HEIGHT	APPROX. 3.9m	APPROX. 4.0m
BODY DIAMETER	APPROX. $\phi$ 2.4m	
TOTAL WEIGHT	APPROX. 4.0ton	
RESERVED BUOYANCY	APPROX. 4.3ton	
LANTERN	RL-123	FA-249
LENS	$\phi$ 123mm FRESNEL LENS	$\phi$ 155mm FRESNEL LENS
CHARACTERISTICS	12V, 4.8W LED LAMP Fl.4sec.	12V, 6.6W Fl.4sec.
LIGHT COLOR	CLEAR, YELLOW, RED or GREEN	
POWER SOURCE	SOLAR PANEL & RECHARGEABLE BATTERY	
BODY MATERIAL	STEEL	



**MS-400A**

**MS-500**



## SPECIFICATIONS

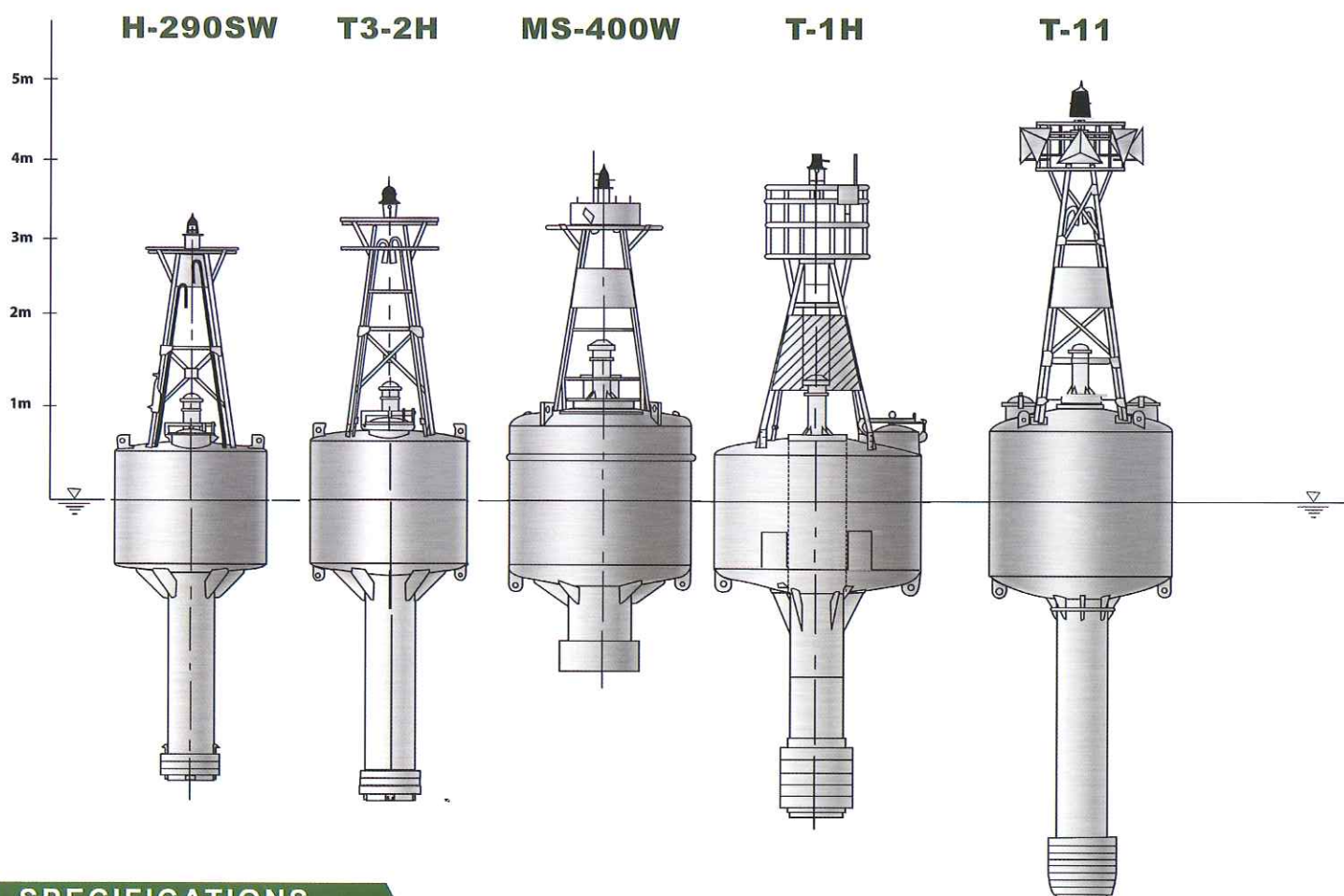
TYPE	MS-400A-123	MS-400A-249	MS-500-123	MS-500-249
HEIGHT OVERALL	APPROX.6.3m	APPROX.6.5m	APPROX.7.0m	APPROX.7.2m
FOCAL PLANE HEIGHT	APPROX.3.4m	APPROX.3.6m	APPROX.5.2m	APPROX.5.3m
BODY DIAMETER	APPROX.φ2.4m		APPROX.φ3.0m	
TOTAL WEIGHT	APPROX.4.1ton		APPROX.5.8ton	
RESERVED BUOYANCY	APPROX.4.2ton		APPROX.6.1ton	
LANTERN	RL-123	FA-249	RL-123	FA-249
LENS	φ123mm FRESNEL LENS	φ155mm FRESNEL LENS	φ123mm FRESNEL LENS	φ155mm FRESNEL LENS
CHARACTERISTICS	12V,4.8W LED LAMP Fl.4sec.	12V,6.6W Fl.4sec.	12V,4.8W LED LAMP Fl.4sec.	12V,6.6W Fl.4sec.
LIGHT COLOR	CLEAR, YELLOW, RED or GREEN			
POWER SOURCE	SOLAR PANEL & RECHARGEABLE BATTERY			
BODY MATERIAL	STEEL			



## WAVE ACTIVATED TURBINE GENERATOR TYPE LIGHTED BUOYS



Wave activated turbine generators use natural energy.



### SPECIFICATIONS

TYPE	H-290SW	T3-2H	MS-400W	T-1H	T-11
HEIGHT OVERALL	APPROX. 5.7m	APPROX. 7.6m	APPROX. 6.0m	APPROX. 8.5m	APPROX. 13.3m
FOCAL PLANE HEIGHT	APPROX. 3.0m	APPROX. 3.7m	APPROX. 4.0m	APPROX. 4.8m	APPROX. 6.4m
BODY DIAMETER	APPROX. $\phi$ 1.5m	APPROX. $\phi$ 2.0m	APPROX. $\phi$ 2.4m	APPROX. $\phi$ 2.6m	APPROX. $\phi$ 3.0m
TOTAL WEIGHT	APPROX. 1.7ton	APPROX. 2.5 ton	APPROX. 4.0ton	APPROX. 5.5ton	APPROX. 11.2ton
RESERVED BUOYANCY	APPROX. 1.0ton	APPROX. 2.1 ton	APPROX. 5.3ton	APPROX. 3.2ton	APPROX. 7.5ton
LANTERN	RL-123				
LENS	$\phi$ 123mm POLYCARBONATE FRESNEL LENS				
CHARACTERISTICS	12V, 9.6W				
LIGHT COLOR	CLEAR, YELLOW, RED or GREEN				
POWER SOURCE	WAG, SOLAR PANEL & RECHARGEABLE BATTERY				
BODY MATERIAL	STEEL				