

84mm E'

84mm D'

84mm C'

B' 84mm

A' 84mm

MAWARIDORO

Wind revolving lantern

design by Toshihiko SUZUKI

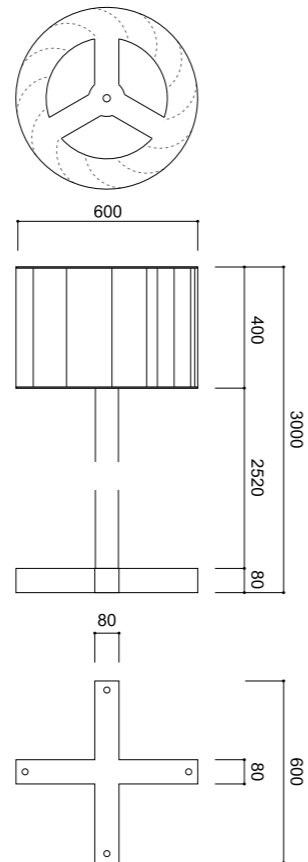
Feature

- Anyone can install easily only by a screw stop (groundwork is required).
- Generate electricity and store electricity from a breeze (1.5 m/s), and lighting is possible by a day-and-night sensor at night.
- The electric generating capacity in the low wind velocity region is excellent, and it can be used also in a weak wind area.
- Whenever it may see, the windmill around which it is turning can be impressed.
- I can use as lighting only by installing easily to a veranda, the roof, garden, etc.
- Since lighting and power generation are simple at solid construction, a maintenance is easy.
- Reduction of initial introduction expense is possible.

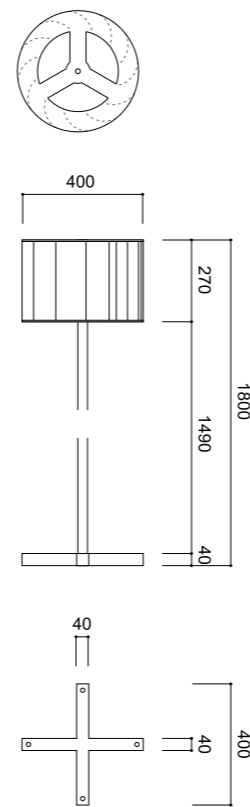
Color Selection



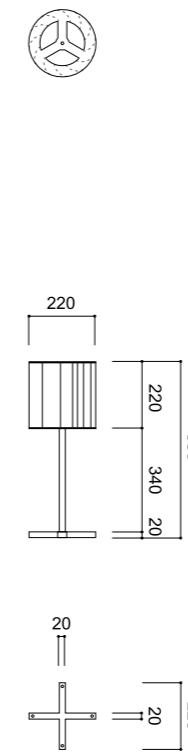
White Blue Lightbulb



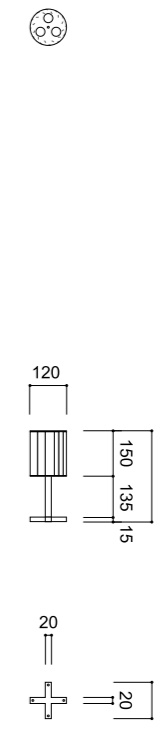
WTL-3



WTL-1



WTL-2



WTL-4

Model	WTL-3A-DS	White	WTL-1A-DS	White	WTL-2-DS	A White / Blue	WTL-4A-DS	White
	WTL-3A-BL	Blue	WTL-1A-BL	Blue	WTL-2-SL	A lightbulb / Blue	WTL-4A-BL	Blue
	WTL-3A-SL	Lightbulb	WTL-1A-SL	Lightbulb			WTL-4A-SL	Lightbulb
illumination	32 super-high-intensity LED		16 super-high-intensity LED		8 super-high-intensity LED x2 type		6 super-high-intensity LED	
Brightness	An equivalent for filament lamp 30W		An equivalent for filament lamp 15W		An equivalent for filament lamp 5W		An equivalent for filament lamp 1W	
Power consumption	1.6W		0.8W		0.4W		0.1W	
Lighting time (Calm)	A maximum of 24h lighting (full charge)		A maximum of 12h lighting (full charge)		A maximum of 1h lighting (full charge)		-	
Addition function	An optical sensor, charge control		An optical sensor, charge control		An optical sensor, charge control, a light source change function		-	
Power generation	AG (Permanent magnet type AC generator)		AG (Permanent magnet type AC generator)		AGS2(Permanent magnet type AC generator)		AGU(Permanent magnet type AC generator)	
Charge start wind velocity	2.0.m/s		2.0.m/s		2.0.m/s		2.0.m/s	
Rated output (rated wind velocity)	2W(6m/s)		1W(6m/s)		0.5W(6m/s)		0.1W(6m/s)	
Addition function	Solar module (maximum output 0.5W)		Solar module (maximum output 0.3W)		-		-	
Accumulation of electricity	Nickel hydoride battery 1.2v x 8		Nickel hydoride battery 1.2v x 4		Nickel hydoride battery 1.2v x 2		Electrolytic condenser	
Windmill	Vertical axis cross flow type							
Rotor diameter (mm)	φ 600 × 400		φ 400 × 260		φ 220 × 220		φ 120 × 150	
Number of blades	12 blades							
Wind velocity-proof	30m		20m		15m		10m	
Size (mm)	φ 600 × 3000		φ 400 × 1800		φ 220 × 580		φ 120 × 300	
Total weight	30Kg		7Kg		4Kg		1Kg	
Quality of the material								
Windmill shade	Aluminum		Aluminum		Aluminum		Acrylics	
Lighting part	Acrylics							
Dynamo	Stainless steel		Stainless steel		Aluminum		Aluminum	
Plinth	Iron		Iron		Iron		Acrylics	
The installation method	It attaches with a plinth base hole with a four-point anchor bolt. (Anchor bolt installation construction is required separately)		It attaches with a plinth base hole with a four-point anchor bolt. (Anchor bolt installation construction is required separately) In addition, attachment with an eye screw is possible to the wood deck fixed firmly.				It attaches with a plinth base hole with a four-point anchor bolt at the time of a strong wind.	
Composition part	Windmill shade, Lighting part, Dynamo, Condenser, Plinth, Screws							
Accessories	Operation manual, User's registration paper							
Standard price (according to tax)	¥ 398,000(Japanese yen)		¥ 198,000(Japanese yen)		¥ 98,000(Japanese yen)		¥ 48,000(Japanese yen)	
Quantity purchase price	Japanes yen	HK \$	Japanes yen	HK \$	Japanes yen	HK \$	Japanes yen	HK \$
Currency rate (Japanese yen)	-	¥ 11.12	-	¥ 11.12	-	¥ 11.12	-	¥ 11.12
1 set (FOB)	¥ 398,000	\$ 35,791	¥ 198,000	\$ 17,806	¥ 98,000	\$ 8,813	¥ 48,000	\$ 4,317
10 sets (FOB)	¥ 318,400	\$ 28,633	¥ 158,400	\$ 14,245	¥ 78,400	\$ 7,050	¥ 38,400	\$ 3,453
100 sets (FOB)	¥ 278,600	\$ 25,054	¥ 138,600	\$ 12,464	¥ 68,600	\$ 6,169	¥ 33,600	\$ 3,022
1000 sets (FOB)	¥ 238,800	\$ 21,475	¥ 118,800	\$ 10,683	¥ 58,800	\$ 5,288	¥ 28,800	\$ 2,590

Product specification may be changed without a preliminary announcement for technical improvement.
(The contents of this catalog are the things as of December, 2009.)
A photograph may differ again that it is actual from a color sample on the relation of printed matter.

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