

Mare

Mare is a sleek all-in-one solar street light with a high-efficiency monocrystalline panel and integrated LiFePO₄ battery for reliable off-grid operation.

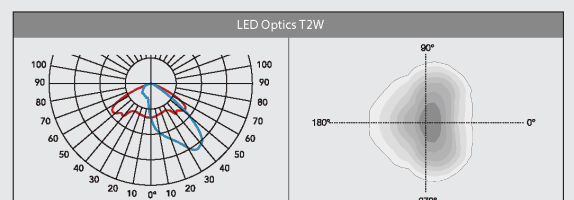
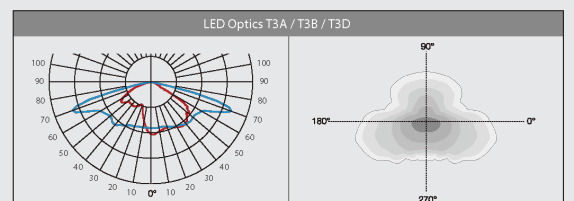
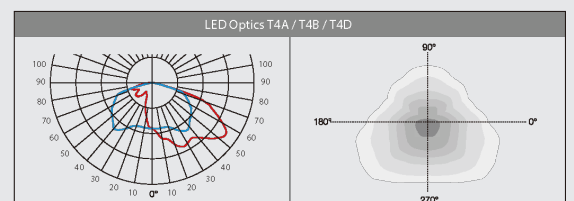
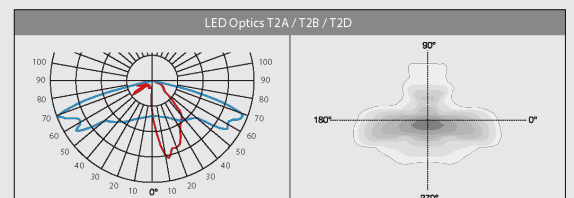
Its compact die-cast aluminum housing, tempered glass lens, and optional plug-and-play sensor make it a durable, maintenance-free solution for streets, pathways, and remote areas.



Key features

- Tensile aluminum alloy lamp body and pole for structural strength and durability
- Modular LED light source with ultra-white tempered glass
- Optical PC lens ensures uniform light distribution and high visual comfort, with multiple beam options
- LED module is easy to install and replace
- No photobiological risk (infrared, blue light, or UV) - compliant with EN 62471:2008
- Integrated LiFePO₄ battery for long life and stable performance
- Surface coated with anti-UV pure polyester powder; corrosion resistance exceeds 1,000 hours
- Supplied in separate packaging for cost efficiency and easy transport
- All external screws made of 304 stainless steel

Photometry



Technical Data

Model	LED Chips	Solar PV	LiFePO4 Battery	Luminous	Operating time	Working mode
MARE-45 (basic)	5050*32pcs	18V / 100W	460WH / 12.8V 36AH	6750 lm	2 days	2 Hours: 100%, 2 Hours: 50%, 7 Hours: 30%
MARE-60 (basic)	5050*32pcs	18V / 130W	538WH / 12.8V 42AH	9000 lm	2 days	2 Hours: 100%, 2 Hours: 50%, 7 Hours: 30%
MARE-45 (general)	5050*32pcs	18V / 130W	538WH / 12.8V 42AH	6750 lm	2 days	4 Hours: 100%, 2 Hours: 50%, 5 Hours: 30%
MARE-60 (general)	5050*32pcs	36V / 180W	691WH / 12.8V 54AH	9000 lm	2 days	4 Hours: 100%, 2 Hours: 50%, 5 Hours: 30%

Information Data

Material	Aluminum Alloy, Glass
IK Rating	IK08
IP Rating	IP66
Correlated Color Temperature	3000K, 4000K

Dimensions and Mounting

