

PS-MAST

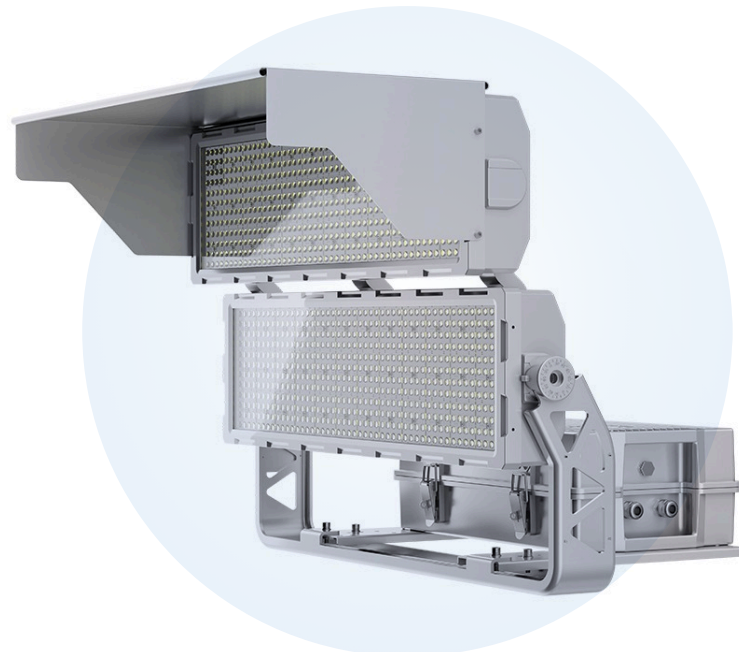
Modular high mast floodlight, 500 to 1500 W

STOCKED IN EUROPE

PRODUCT DESCRIPTION

PS-MAST is a modular high mast floodlight for ports, rail yards, large car parks, stadiums and road junctions. One, two or three LED modules give 500, 750, 1000 or 1500 W, with a remote driver and a wide choice of symmetric, asymmetric and road optics.

- › 500, 750, 1000 or 1500 W from stacked modules
- › Up to 255,000 lm at 170 lm/W
- › Optics from 20° to 90°, asymmetric and road
- › IP66 and IK08, die-cast aluminium
- › 10 kV surge protection, 180 to 528 V
- › Laser sight aiming device (option)



170 lm/W
Efficacy



Modular
1 to 3 modules



IP66
Waterproof



5 Years
Warranty

APPLICATION

Made for ports and stadiums

Container terminals, freight yards, motorway junctions and sports grounds need high power light from tall masts. Choose the optic for the area, aim each fitting with the optional laser sight, and house the drivers in a separate electrical cabinet.

Modular design

One, two or three LED modules build 500, 750, 1000 or 1500 W fittings in one family.

Wide optic choice

20, 30, 45 and 90°, 100 x 60°, road optics and asymmetric P30 to P50W.

Precise aiming

Optional laser sight aiming device with a range of up to 1000 m for accurate set up at height.

170 lm/W

Up to 255,000 lumens from one 1500 W fitting.

All weather

IP66 and IK08 rated for -40°C to +45°C, with 10 kV surge protection.

Dimming

DALI-2, D4i, DMX or 0/1-10V dimming from the remote driver.

CERTIFICATION



RoHS
COMPLIANT

Designed to IEC 60598-1, EN 60598-2-5, EN IEC 55015 and EN 61547.

PS-MAST Technical data

Modular high mast floodlight, 500 to 1500 W

SPECIFICATION

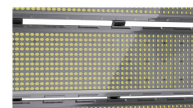
Input voltage	180 to 528 V AC, 50/60 Hz
Power	500 / 750 / 1000 / 1500 W
Luminous flux	85,000 / 127,500 / 170,000 / 255,000 lm
Efficacy	170 lm/W
Driver	Remote driver box, power factor >0.95
CRI / MacAdam	Ra >70 or >80 / ≤5
Colour temperature	3000K to 6500K (5 options)
Optics	20, 30, 45, 90°; 100 x 60°; T2M; T3M-B; P30; P45; P50; P50W
Surge protection	10 kV DM / 10 kV CM
IP / IK rating	IP66 / IK08
Operating temperature	-40°C to +45°C
Lifetime	L70B10 >108,000 h (TM-21)
Housing	Die-cast aluminium, RAL9006; PC/PMMA optic
Dimming	DALI-2, D4i, DMX, 0/1-10V
Cable	3 x 1.0 mm ²
Mounting	Fixed bracket
Weight	12.5 to 27.5 kg, fitting only
Warranty	5 years



Front view, three modules



Electrical cabinet (option)



LED module and lens array

TECHNICAL SPECIFICATIONS

Product	Power	Lumen output	Efficacy	Modules	Dimensions L x W x H	Weight
PS-MAST 500	500 W	85,000 lm	170 lm/W	1	723 x 131 x 335 mm	12.5 kg
PS-MAST 750	750 W	127,500 lm	170 lm/W	2	723 x 176 x 536 mm	19.9 kg
PS-MAST 1000	1000 W	170,000 lm	170 lm/W	2	723 x 176 x 536 mm	19.6 kg
PS-MAST 1500 LARGEST	1500 W	255,000 lm	170 lm/W	3	723 x 221 x 737 mm	27.5 kg

OPTIONS AND ACCESSORIES

- › Electrical cabinet for remote drivers
- › Laser sight aiming device, up to 1000 m
- › Choice of 11 optics

IDEAL FOR

- › Ports and container terminals
- › Rail and freight yards
- › Stadiums and sports grounds
- › Road junctions and large car parks

5 YEARS
WARRANTY

Every Polaris Light fitting carries a 5-year warranty. Ask us for a free lighting design, lux plan and energy savings calculation for your site.