POLARIS LIGHT

PS-FLOOD

Slim, high-output floodlight for car parks, yards and area lighting

150 W: OUR MOST POPULAR MODEL



PRODUCT DESCRIPTION

PS-FLOOD packs up to 68,000 lumens into a slim die-cast aluminium body just 57 to 74 mm deep. Mounted on lighting columns, lamp posts, walls or gantries, its asymmetric optics put light down onto the ground and keep upward light and spill low, so it suits car parks, yards, loading areas, perimeters and general area lighting. Our most popular choice is the 150 W model, delivering 25,500 lumens.

- Six outputs from 100 to 400 W, 160 to 180 lm/W
- Asymmetric optics with low upward light
- Tempered glass with PMMA lenses for UV resistance
- IP66 weatherproof, IK08 (IK10 with metal mesh)
- 6 kV surge protection, -40°C to +45°C
- 1-10 V and DALI dimming
- Optional visor and stainless steel mesh

170 lm/W
Typical efficacy

IP66
Weatherproof

6 kV
Surge protection

5 Years
Warranty

APPLICATION: CAR PARKS, YARDS AND AREA LIGHTING

Made for columns and car parks

Fit PS-FLOOD to lighting columns, lamp posts, building walls or gantries to light car parks, service yards, loading bays, site perimeters and open areas. Asymmetric optics spread light evenly across the ground while limiting glare for drivers and spill onto neighbouring property.

Slim profile

Only 57 mm deep up to 240 W and 74 mm at 300 to 400 W, for a neat look on columns, lamp posts, walls and gantries.

Asymmetric optics

Light is directed forward and down, improving lux levels on the target area with low upward light (ULOR).

Tough by design

Die-cast aluminium, tempered safety glass and PMMA lenses. IK08 as standard, IK10 with the metal mesh.

All-weather

IP66 rated for -40°C to +45°C with 6 kV surge protection (10 or 20 kV option) for exposed outdoor sites.

Precise aiming

Graduated mounting bracket with an angle scale makes accurate aiming and re-aiming quick and repeatable.

Efficient output

160 to 180 lm/W. Our most popular 150 W model gives 25,500 lumens; up to 68,000 lumens at 400 W.

CERTIFICATION

CE UKCA CB SCHEME RoHS COMPLIANT

CB test certificate SG PSB-LE-04896. CE certificate AOC260317002S.

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PS-FLOOD Technical data

Slim, high-output floodlight for car parks, yards and area lighting

SPECIFICATION

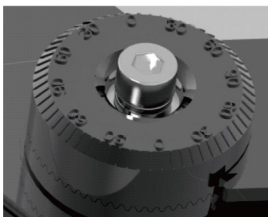
Input voltage	100 to 277 V AC
Power	100 / 150 / 200 / 240 / 300 / 400 W
Luminous flux	16,000 to 68,000 lm
Efficacy	160 to 180 lm/W
Driver	Sosen
Dimming	1-10 V and DALI
Power factor	>0.95
Colour temperature	4000K or 5000K
CRI	Ra >70
Optics	Asymmetric P45 as standard
Surge protection	6 kV (10 or 20 kV option)
IP / IK rating	IP66 / IK08 (IK10 with metal mesh)
Photobiological	RG0 / RG1
Operating temperature	-40°C to +45°C
Lifetime	L70B10 >108,000 h
Housing	Die-cast aluminium, black
Lens	PMMA lens with tempered glass cover
Mounting	Graduated adjustable bracket
Weight	2.5 to 9.6 kg (see table)
Cable	3 x 1.0 mm², 1 m
Warranty	5 years



Slim side profile



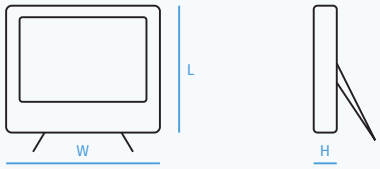
Finned die-cast heat sink



Graduated aiming bracket, 300 to 400 W



400 W, largest housing



Dimensions: see table for L x W x H per model

TECHNICAL SPECIFICATIONS

Product	Power	Lumen output	Efficacy	Dimensions L x W x H	Weight	CCT
PS-FLOOD 100	100 W	16,000 lm	160 lm/W	288 x 254 x 57 mm	2.5 kg	4000K / 5000K
PS-FLOOD 150 MOST POPULAR	**150 W**	**25,500 lm**	**170 lm/W**	**332 x 279 x 57 mm**	**3.3 kg**	**4000K / 5000K**
PS-FLOOD 200	200 W	34,000 lm	170 lm/W	403 x 333 x 57 mm	5.2 kg	4000K / 5000K
PS-FLOOD 240	240 W	40,800 lm	170 lm/W	403 x 333 x 57 mm	5.45 kg	4000K / 5000K
PS-FLOOD 300	300 W	54,000 lm	180 lm/W	490 x 418 x 74 mm	9.6 kg	4000K / 5000K
PS-FLOOD 400	400 W	68,000 lm	170 lm/W	490 x 418 x 74 mm	9.6 kg	4000K / 5000K

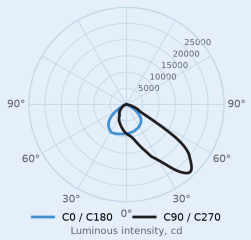
OPTIONS AND ACCESSORIES

- Metal visor for low spill light (sized per model)
- Stainless steel mesh protection, IK10
- Alternative optics: 25, 55, 90, 120°, P30, Type II, III and IV

IDEAL FOR

- Car parks and park and ride sites
- Yards, depots and loading areas
- Site perimeters and security lighting
- Column, lamp post and wall mounting

LIGHT DISTRIBUTION



200 W, P45 asymmetric optic

5 YEARS
WARRANTY

Every Polaris Light fitting carries a 5-year warranty. We provide free lighting designs and lux plans for car parks, yards and outdoor areas.

