PHILIPS

Lighting

OptiFlood – compact and complete solution

OptiFlood MVP506

Philips has a long tradition of excellence in environmentally friendly asymmetric floodlighting systems for sports and general area lighting as well as architectural applications. OptiFlood's extremely efficient, best-in-class optical system provides an accurately controlled light distribution – total light cut-off above the horizontal and a peak beam intensity at high angles – keeping obtrusive light to a minimum. Both the MVP504 and MVP506 versions are available with two types of reflector – asymmetric or road-lighting POT optics – for flexibility in application. They can also accommodate CosmoPolis metal-halide lamps for good color rendering, high-pressure sodium lamps for economical operation, and MASTERColour CDM Elite MW lamps for highly efficient lighting with longer-lasting white light. OptiFlood is also available in a LED version (BVP506).With its compact shape and aesthetically pleasing design, OptiFlood can be used in applications where design and appearance are just important as technical performance. In the design, attention has also been focused on the detailing. This has led to integrated 'hidden' hinges, angle adjustment designed as part of the body and a mounting bracket angled to allow more aesthetic integration onto columns.

Benefits

- Asymmetrical floodlighting systems for general area lighting as well as security and industrial area lighting
- Best-in-class optical system for accurately controlled light distribution to prevent uncontrolled stray and spill light
- Compact shape and pleasing design allows OptiFlood to be used in settings where design and appearance are just as important as technical performance

OptiFlood MVP506

Features
- Two types of reflector – asymmetric or road-lighting POT optics
- Can accommodate CosmoPolis metal-halide lamps, high-pressure sodium lamps, and MASTERColour CDM Elite MW lamps
- Also available in a LED version
- Two body sizes

Application
- General area lighting
- Car parks
- Architectural floodlighting
- Sports lighting

Specifications

Type	MVP506
Light source	HID:
	- 1 x MASTER CosmoWhite CPO-TW / PGZ12 / 60, 90, 140 W
	- 1 x MASTERColour CDM-T / G12 / 150, 250 W
	- 1 x MASTER CityWhite CDO-TT / E40 / 100, 150, 250 W
	- 1 x MASTER HPI-T Plus / E40 / 250, 400 W
	- 1 x MASTER SON-T PIA Plus / E40 / 100, 150, 250, 400, 600 W
	- 1 x MASTER CDM-TMW / PGZ18 / 210, 315 W
Lamp included	Yes (K or light color 830, 930 or 942)
Gear (integrated)	Electromagnetic 230 or 240 V / 50 Hz
	Electronic, 220 - 240 V / 50 - 60 Hz:
	- Electronic (EB)
Optic	Open CT-POT (OR) (not for HPI-T lamp versions)
	Asymmetrical (A) (not for MASTERColour CDM-T lamp versions)
Ignitor	Semi-parallel, self-stopping (ST)
Options	Safety class 2
	Dimming
	Fuse
	Filter coil
	Anti-reflective glass cover
	Swimming pool version
Materials and finishing	Housing: high-pressure die-cast aluminum, non-corrosive
	Glass: thermally hardened, 4 mm thick
	Clips: stainless steel
	Reflector: purity, anodized aluminum, high reflective

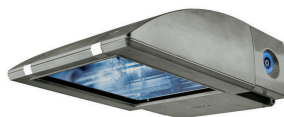| Color	'Raw' aluminum or grey (GR)
	Other RAL colors available on request
Installation	On mast head frame, ceiling, wall and floor mounting
	Front cover hinges for easy access
	Aiming indicator ring is integrated on housing and bracket
	Ambient temperature outdoor: 35ºC (25ºC indoor)
	Recommended mounting height: 8 - 14 m
	Adjustable tilt angle: 15º
	Max SCx value by side: 0.10 m
	Max adjustment from the horizontal: - 180 to +180º
	Max vertical aiming: - 90 to +90º
	Uplighting for indoor only
Maintenance	Lamp and gear unit access by opening the hinged front glass for in position lamp replacement
	No internal cleaning required
Accessories	Wire guard, optical skirt
	Styted pole mounting brackets (single, double, triple and quadruple) available on request
Main applications	Sports, general area, car parks, architectural floodlighting

OptiFlood MVP506

Versions

OptiFlood MVP506 sports and area
lighting luminaire, aluminium

OptiFlood MVP506 sports and area
lighting luminaire, grey (GR)

Product details

Approval and Application

Mech. impact protection code	IK09

General Information

CE mark	CE mark
Optical cover/lens type	FG
ENEC mark	ENEC mark
Gear	CONV
Glare shielding accessories	No
Glow-wire test	850/5
Lamp family code	SON-TPP
Number of light sources	1
Optic type	Asymmetrical
Product Family Code	MVP506

General Information

Order Code	Full Product Name	Lamp power
910403041712	MVP506 SON-TTP150W K A ST	150 W
910403041812	MVP506 SON-TTP250W K A ST	250 W
910403041912	MVP506 SON-TTP400W K A ST	400 W
910403042512	MVP506 SON-TTP150W K A GR ST	150 W
910403042612	MVP506 SON-TTP250W K A GR ST	250 W

Mechanical and Housing

Order Code	Full Product Name	Colour
910403041712	MVP506 SON-TTP150W K A ST	Aluminium
910403041812	MVP506 SON-TTP250W K A ST	Aluminium
910403041912	MVP506 SON-TTP400W K A ST	Aluminium

Order Code	Full Product Name	Colour
910403042512	MVP506 SON-TTP150W K A GR ST	Grey
910403042612	MVP506 SON-TTP250W K A GR ST	Grey

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www.lighting.philips.com

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