

# OptiFlood – compact and complete solution

## OptiFlood Mini MVP504

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 as 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

- Environment-friendly 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 Mini MVP504

## Features

- Compact shape and pleasing design
- 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

## Application

- General area lighting
- Car parks
- Architectural floodlighting

## Specifications

Type	MVP504
Light source	HID: <ul style="list-style-type: none"><li>- 1 x MASTERColour CDM-TD / RX7s / 70, 150 W</li><li>- 1 x MASTERColour CDM-T / G12 / 35, 70 W</li><li>- 1 x MASTER CosmoWhite CPO-TW / PGZ12 / 45, 60, 90, 140 W</li><li>- 1 x MASTER CityWhite CDO-TT / E27 / 70 W</li><li>- 1 x MASTER SON-T PIA Plus / E27 / 50, 70 W</li></ul>
Lamp included	Yes (K or light color 828 or 942)
Ballast (integrated)	Electromagnetic 230 or 240 V / 50 Hz Electronic, 220-240 V / 50-60 Hz: <ul style="list-style-type: none"><li>- Electronic (EB)</li></ul>
Optic	CosmoPolis POT optic (OC) Facetted road lighting POT (TP-S) for 35 and 70 W CDM-T lamp versions Asymmetrical (A60/A25-NB/A25-WB) for 45-150 W lamp versions
Ignitor	Semi-parallel, self-stopping (ST)
Options	Safety class 2
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 ultra-dark 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: 35°C (25°C indoor) Recommended mounting height: 4 - 6 m Adjustable tilt angle: 15° CosmoPolis optic (OC): 6 positions Max windage area: 0.04 m Max SCx value by side: 0.037 m Max adjustment from the horizontal: - 180 to +180° Max vertical aiming: - 90 to +105° 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 Styld pole mounting brackets (single, double, triple and quadruple) available on request

## Versions

OptiFlood Mini MVP504 area-lighting  
luminaire



OptiFlood Mini MVP504

Product details

Front cover is held in place by two stainless-steel clips, and can be released easily using a screwdriver



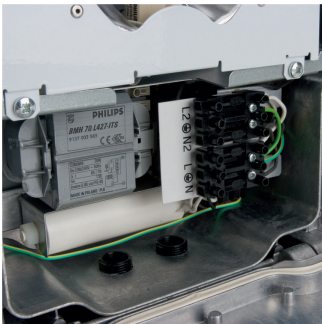
When opened, front cover hinges back to provide full access to gear and lamp compartment



When opened, front cover hinges back to provide full access to gear and lamp compartment



Front cover fully open, providing excellent access to all components



Connector



CosmoPolis optic



Facetted road-lighting POT optic



Facetted road-lighting POT optic

# OptiFlood Mini MVP504

## Product details



Asymmetrical optic



Asymmetrical optic

### Approval and Application

Mech. impact protection code IK08

### General Information

CE mark CE mark

Optical cover/lens type GC

ENEC mark -

Gear EB

Number of light sources 1

Product Family Code MVP504

## General Information

Order Code	Full Product Name	Light source color	Lamp family code	Lamp power	Optic type
29270100	MVP504 CDM-TD70W/942 EB I A	942 neutral white	CDM-TD	70 W	Asymmetrical
29273200	MVP504 CDM-TD150W/942 EB I A	942 neutral white	CDM-TD	150 W	Asymmetrical
29274900	MVP504 CDO-TT70W K EB I A	-	CDO-TT	70 W	Asymmetrical
29277000	MVP504 CPO-TW45W K EB I A	-	CPO-TW	45 W	Asymmetrical
29278700	MVP504 CPO-TW60W K EB I A	-	CPO-TW	60 W	Asymmetrical
29279400	MVP504 CPO-TW90W K EB I A	-	CPO-TW	90 W	Asymmetrical
29289300	MVP504 CDM-TD150W/942 EB II A	942 neutral white	CDM-TD	150 W	Asymmetrical
29293000	MVP504 CPO-TW45W K EB II A	-	CPO-TW	45 W	Asymmetrical
29295400	MVP504 CPO-TW90W K EB II A	-	CPO-TW	90 W	Asymmetrical

Order Code	Full Product Name	Light source color	Lamp family code	Lamp power	Optic type
29302900	MVP504 CDM-TD70W/942 EB I A GR	942 neutral white	CDM-TD	70 W	Asymmetrical
29305000	MVP504 CDM-TD150W/942 EB I A GR	942 neutral white	CDM-TD	150 W	Asymmetrical
29306700	MVP504 CDO-TT70W K EB I A GR	-	CDO-TT	70 W	Asymmetrical
29309800	MVP504 CPO-TW45W K EB I A GR	-	CPO-TW	45 W	Asymmetrical
29310400	MVP504 CPO-TW60W K EB I A GR	-	CPO-TW	60 W	Asymmetrical
29311100	MVP504 CPO-TW90W K EB I A GR	-	CPO-TW	90 W	Asymmetrical
29318000	MVP504 CDM-TD70W/942 EB II A GR	942 neutral white	CDM-TD	70 W	Asymmetrical
29321000	MVP504 CDM-TD150W/942 EB II A GR	942 neutral white	CDM-TD	150 W	Asymmetrical
29322700	MVP504 CDO-TT70W K EB II A GR	-	CDO-TT	70 W	Asymmetrical

## OptiFlood Mini MVP504

Order Code	Full Product Name	Light source color	Lamp family code	Lamp power	Optic type
29325800	MVP504 CPO-TW45W K EB II A GR	-	CPO-TW	45 W	Asymmetrical
29326500	MVP504 CPO-TW60W K EB II A GR	-	CPO-TW	60 W	Asymmetrical
29327200	MVP504 CPO-TW90W K EB II A GR	-	CPO-TW	90 W	Asymmetrical
29334000	MVP504 CDM-T35W/842 EB I TP-S	842 neutral white	CDM-T	35 W	Open T-POT small
29337100	MVP504 CDM-T70W/942 EB I TP-S	942 neutral white	CDM-T	70 W	Open T-POT small
29340100	MVP504 CPO-TW45W K EB I	-	CPO-TW	45 W	Optic for CosmoPolis lamp
29341800	MVP504 CPO-TW60W K EB I	-	CPO-TW	60 W	Optic for CosmoPolis lamp
29342500	MVP504 CPO-TW90W K EB I	-	CPO-TW	90 W	Optic for CosmoPolis lamp
29344900	MVP504 CDM-T35W/842 EB II TP-S	842 neutral white	CDM-T	35 W	Open T-POT small

### Mechanical and Housing

Order Code	Full Product Name	Color
29270100	MVP504 CDM-TD70W/942 EB I A	-
29273200	MVP504 CDM-TD150W/942 EB I A	-
29274900	MVP504 CDO-TT70W K EB I A	-
29277000	MVP504 CPO-TW45W K EB I A	-
29278700	MVP504 CPO-TW60W K EB I A	-
29279400	MVP504 CPO-TW90W K EB I A	-
29289300	MVP504 CDM-TD150W/942 EB II A	-
29293000	MVP504 CPO-TW45W K EB II A	-
29295400	MVP504 CPO-TW90W K EB II A	-
29302900	MVP504 CDM-TD70W/942 EB I A GR	Gray
29305000	MVP504 CDM-TD150W/942 EB I A GR	Gray
29306700	MVP504 CDO-TT70W K EB I A GR	Gray
29309800	MVP504 CPO-TW45W K EB I A GR	Gray
29310400	MVP504 CPO-TW60W K EB I A GR	Gray
29311100	MVP504 CPO-TW90W K EB I A GR	Gray
29318000	MVP504 CDM-TD70W/942 EB II A GR	Gray
29321000	MVP504 CDM-TD150W/942 EB II A GR	Gray

Order Code	Full Product Name	Light source color	Lamp family code	Lamp power	Optic type
29351700	MVP504 CPO-TW60W K EB II	-	CPO-TW	60 W	Optic for CosmoPolis lamp
29354800	MVP504 CDM-T35W/842 EB I TP-S GR	842 neutral white	CDM-T	35 W	Open T-POT small
29361600	MVP504 CPO-TW60W K EB I GR	-	CPO-TW	60 W	Optic for CosmoPolis lamp
29362300	MVP504 CPO-TW90W K EB I GR	-	CPO-TW	90 W	Optic for CosmoPolis lamp
29364700	MVP504 CDM-T35W/842 EB II TP-S GR	842 neutral white	CDM-T	35 W	Open T-POT small
29370800	MVP504 CPO-TW45W K EB II GR	-	CPO-TW	45 W	Optic for CosmoPolis lamp
29371500	MVP504 CPO-TW60W K EB II GR	-	CPO-TW	60 W	Optic for CosmoPolis lamp

