



ArenaVision MVF404 – exceptional optical efficiency

ArenaVision MVF404

The ArenaVision MVF404 floodlight – designed for outdoor sports stadiums – dramatically increases the theatrical and emotional impact of sports for TV audiences and spectators, while allowing the players to perform under optimal visual conditions. Thanks to the innovative Philips MHN-SE 2000 W high-output compact single-ended metal-halide lamp and high-tech single-piece precision optics, ArenaVision MVF404 offers much higher optical efficiency than ever before. In addition, this 2 kW floodlight boasts easy lamp fitting and replacement, full IP65 compliance, safety knife connector system and a breakthrough electronic hot-restrike solution – while continuing to deliver all the traditional benefits of Philips ArenaVision systems. The (optional) flicker-free version of ArenaVision MVF404 is designed to ensure that the flicker effect is fully eliminated in order to guarantee perfect images filmed with super-slow-motion cameras at sports events. The flicker-free version of ArenaVision MVF404 comes equipped with a special electronic igniter, which works in combination with Philips' electronic-ballast GearUnits (ECM330), to be ordered separately.

Benefits

- Innovative floodlight with Philips' compact single-ended lamp; dedicated optics ensure maximum optical efficiency and enable accurate light distribution with a minimum of spill light
- Quartz metal halide lamp meets the most demanding lighting and TV broadcast requirements with excellent colour rendering
- The flicker-free version completely eliminates flicker effect, thereby guaranteeing perfect images filmed with super-slow-motion cameras

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Features

- High-output compact single-ended metal-halide lamp with excellent colour rendering
- Dedicated precision optics
- IP65
- Safety knife connector system
- Electronic hot-restrike
- Flicker-free light version for super-slow-motion cameras

Application

- Outdoor sport stadiums

Specifications

Type	MVF404
Light source	HID: - 1 x MASTER MHN-SE HO / GX22-HR / 2000 W
Lamp included	Yes (light color 956)
Optic	Beam category B1 (B1) Beam category B2 (B2) Beam category B3 (B3) Beam category B4 (B4) Beam category B5 (B5) Beam category B6 (B6) Beam category B7 (B7) Beam category B8 (B8)
Optical cover	Front-glass for downlighting (DOWN) and uplighting versions (UP)
Ignitor	Series (SI), integral Hot-restrike, electronic (HRE), integral

Specifications

Installation	On mast head frame, ceiling, wall and floor mounting The lamp is easily installed and lamping/relamping can be done with one hand only Precision aiming facilities at both top and bottom of the housing for use in conjunction with the ZVF403 PAD accessory Adjustment of mounting bracket: 360° Ambient temperature outdoor: 35°C (25°C indoor) Drag factor (Cx): 0.93 Projected area in 70° position: 0.20 m Max adjustment from the horizontal: -90 / +90°
Maintenance	Lamp access by opening clips of rear cover (tool-less) Equipped with knife connector system, which automatically disconnects the mains power when the rear-access back cover is opened (no need for additional relay/contactors or any extra cabling) No internal cleaning required

Options	Aiming memory (AM) to safeguard the original aiming position of the luminaire during servicing Hot re-strike versions enabling immediate restoration of lighting after power supply failure Uplighting versions available for architectural lighting Special cable sleeve version for tropical regions
Materials and finishing	Housing and rear cover: non-corrosive, high-pressure die-cast aluminum Glass: chemically toughened, 3 mm thick (for downlighting versions), ceramic 3 mm thick (for uplighting versions) Mounting bracket: zinc nickel treated Clips: stainless steel (to secure the back cover) Reflector: anodized and brightened 99.99% aluminum Finishing in raw aluminum

Accessories	External louver (ZVF403 GS), precision (ZVF403 PAD) aiming device
Remarks	Equipped with series ignitor (SI) and terminal block in aluminum connection box on the bracket Color filters for architectural lighting are available on request Wire mesh to prevent large glass falling out Pre-wired 380 - 415 V / 50 Hz gear trays (ZVF320) are available, to be ordered separately
Main applications	Outdoor sport stadiums

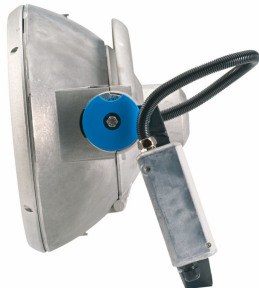
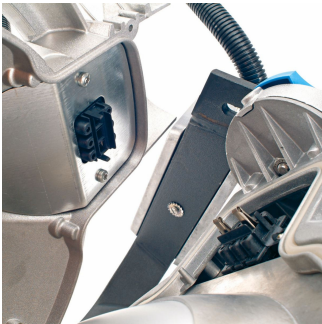
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Versions

MVF404 - MASTER MHN-SE High
Output - 2000 W



Product details



OPDP_MVF403i_0013-Detail
photo



ArenaVision MVF404

Application conditions

Maximum dimming level	Not applicable
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Approval and application

Mech. impact protection code	IK08
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Surge protection (common/ differential)	-
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Controls and dimming

Dimmable	No
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General information

Luminaire light beam spread	-
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CE mark	Yes
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Light source colour	956 daylight
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Optical cover/lens type	DOWN
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Flammability mark	NO
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Gear	-
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Lamp family code	MHN-SEH
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Lamp power	2000 W
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Number of gear units	-
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Number of light sources	1
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Product family code	MVF404
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Initial performance (IEC compliant)

Init. Corr. Colour Temperature	5600 K
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Init. Colour rendering index	>90
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Light technical

Standard tilt angle side entry	-
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Standard tilt angle post-top	-
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Mechanical and housing

Colour	Aluminium
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General information

Order Code	Full Product Name	Optic type
910502218918	MVF404 MHN-SEH2000W/956 B2 HRE	Beam category B2
910502219018	MVF404 MHN-SEH2000W/956 B3 HRE	Beam category B3

