



ArenaVision MVF403 – world-class performance

ArenaVision MVF403

ArenaVision MVF403 takes sports floodlighting to the highest level, offering very high light output, optical efficiency, ease of installation, reliability and flexibility. It is ideal for indoor sports halls (1000 W version) as well as many outdoor sports and other lighting applications. The integrated system of oval optics and compact double-ended MHN-LA 1000W or MHN-SA HO 2000W lamps ensures outstanding system efficiency and low glare. A built-in reflector skirt reduces spill light and glare even further. The MHN-SA HO 2000W/956 and MHN-LA 1000W/956 lamps meet the highest international CTV requirements. With the MHN-LA 1000W/842 lamp, the natural color rendering and comfortable atmosphere are well suited to TV and filming as well as other floodlighting applications. Hot re-strike versions are available for all lamp types, enabling immediate restoration of lighting after power supply failure. The (optional) flicker-free version of ArenaVision MVF403 MHN-LA 1000W 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 MVF403 comes equipped with a special electronic ignitor, which works in combination with Philips' electronic flicker-free ballast GearUnits (ECM330), to be ordered separately.

Benefits

- Innovative floodlights designed around Philips' world-class double-ended lamps; dedicated optics ensure maximum optical efficiency and enable accurate light distribution with a minimum of spill light
- Philips quartz metal-halide lamps meet the most demanding lighting and TV broadcast requirements with excellent color 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 double-ended metal-halide lamps with excellent color rendering and lifetime
- Dedicated precision optics
- Safety switch
- Electronic hot-restrike
- Complete Philips lamp, optic and gear system
- Flicker-free light version for super-slow-motion cameras

Application

- Outdoor sport stadiums
- Indoor sport halls

Specifications

Type	MVF403
Light source	HID: - 1 x MASTER MHN-SA HO / XW / 2000 W - 1 x MASTER MHN-LA / XWH / 1000 W
Lamp included	Yes (K or light color 842 or 956)
Optic	Beam category A1 (A1) Beam category A2 (A2) Beam category A3 (A3) Beam category A4 (A4) Beam category A5 (A5) Beam category A6 (A6) Beam category A7 (A7) Beam category A8 (A8) (not for MHN-SA 2000 W version)
Optical cover	Front glass for downlighting (DOWN) and uplighting versions (UP)
Ignitor	Series (SI / ESI), integral Hot-restrike (HRE), integral

Specifications

Installation	On mast headframe, ceiling, wall and floor mounting The lamp only needs to be installed mechanically; electrical connection achieved by closing the rear cover 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: - MASTER MHN-SA HO 2000 W lamp version: 35 °C (for outdoor use only) - MASTER MHN-LA 1000 W lamp version: 45 °C (outdoor and indoor) Drag factor (Cx): 0.93 Projected area in 70° position: 0.20 m2
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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 (not available for flicker-free version) 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 Optical cover: chemically toughened glass, 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: anodised and brightened 99.99% aluminum Finishing in raw aluminum

Maintenance	Max adjustment from the horizontal: -90 / +90° Lamp access by opening clips of rear cover (tool-less) Equipped with safety switch to cut off current when luminaire is opened (requires additional contactor - supplied by others) No internal cleaning required
Accessories	External glare shield (ZVF403 GS), precision (ZVF403 PAD) and simple (ZVF403 SAD) aiming devices
Remarks	Equipped with aluminum connection box with series ignitor (SI / ESI) Wire mesh to prevent large glass falling out Pre-wired 230V-240 V / 50 Hz and 380-400-415-430 V / 50 Hz gear units (ECB/ECP330) and 220-480 V / 50-60 Hz electronic flicker-free ballast gear unit (ECM330) are available, to be ordered separately

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Versions

ArenaVision MVF403 sports flood-lighting luminaire



Product details



Electrical connection box equipped with series ignitor

Approval and application

Mech. impact protection code IK08

General information

CE mark CE mark

Optical cover/lens type DOWN

Gear -

Lamp family code MHN-SA

Lamp power 2000 W

Number of light sources 1

Product Family Code MVF403

General information

Order Code	Full Product Name	Light source color	Optic type
910925431612	MVF403 MHN-SA2000W A1 SI	-	Beam category A1
910925431712	MVF403 MHN-SA2000W A2 SI	-	Beam category A2
910925431812	MVF403 MHN-SA2000W A3 SI	-	Beam category A3
910925431912	MVF403 MHN-SA2000W A4 SI	-	Beam category A4
910925432012	MVF403 MHN-SA2000W A5 SI	-	Beam category A5
910925432112	MVF403 MHN-SA2000W A6 SI	-	Beam category A6
910925432212	MVF403 MHN-SA2000W A7 SI	-	Beam category A7
910925747612	MVF403 MHN-SA2000W/956 A2 HRE	956 daylight	Beam category A2
910925747712	MVF403 MHN-SA2000W/956 A3 HRE	956 daylight	Beam category A3
910925747812	MVF403 MHN-SA2000W/956 A4 HRE	956 daylight	Beam category A4
910925747912	MVF403 MHN-SA2000W/956 A5 HRE	956 daylight	Beam category A5
910925748012	MVF403 MHN-SA2000W/956 A6 HRE	956 daylight	Beam category A6
910925748112	MVF403 MHN-SA2000W/956 A7 HRE	956 daylight	Beam category A7
910925748312	MVF403 MHN-SA2000W/956 A1 SI	956 daylight	Beam category A1
910925748412	MVF403 MHN-SA2000W/956 A2 SI	956 daylight	Beam category A2
910925748512	MVF403 MHN-SA2000W/956 A3 SI	956 daylight	Beam category A3
910925748612	MVF403 MHN-SA2000W/956 A4 SI	956 daylight	Beam category A4
910925748712	MVF403 MHN-SA2000W/956 A5 SI	956 daylight	Beam category A5
910925748812	MVF403 MHN-SA2000W/956 A6 SI	956 daylight	Beam category A6
910925748912	MVF403 MHN-SA2000W/956 A7 SI	956 daylight	Beam category A7

Initial performance (IEC compliant)

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Order Code	Full Product Name	Init. Corr. Color Temperature
910925431612	MVF403 MHN-SA2000W A1 SI	-
910925431712	MVF403 MHN-SA2000W A2 SI	-
910925431812	MVF403 MHN-SA2000W A3 SI	-
910925431912	MVF403 MHN-SA2000W A4 SI	-
910925432012	MVF403 MHN-SA2000W A5 SI	-
910925432112	MVF403 MHN-SA2000W A6 SI	-
910925432212	MVF403 MHN-SA2000W A7 SI	-
910925747612	MVF403 MHN-SA2000W/956 A2 HRE	5600 K
910925747712	MVF403 MHN-SA2000W/956 A3 HRE	5600 K
910925747812	MVF403 MHN-SA2000W/956 A4 HRE	5600 K

Order Code	Full Product Name	Init. Corr. Color Temperature
910925747912	MVF403 MHN-SA2000W/956 A5 HRE	5600 K
910925748012	MVF403 MHN-SA2000W/956 A6 HRE	5600 K
910925748112	MVF403 MHN-SA2000W/956 A7 HRE	5600 K
910925748312	MVF403 MHN-SA2000W/956 A1 SI	5600 K
910925748412	MVF403 MHN-SA2000W/956 A2 SI	5600 K
910925748512	MVF403 MHN-SA2000W/956 A3 SI	5600 K
910925748612	MVF403 MHN-SA2000W/956 A4 SI	5600 K
910925748712	MVF403 MHN-SA2000W/956 A5 SI	5600 K
910925748812	MVF403 MHN-SA2000W/956 A6 SI	5600 K
910925748912	MVF403 MHN-SA2000W/956 A7 SI	5600 K

