



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

ArenaVision MVF403

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

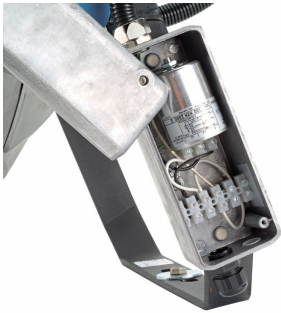
ArenaVision MVF403

Versions

ArenaVision MVF403 sports flood-lighting luminaire



Product details



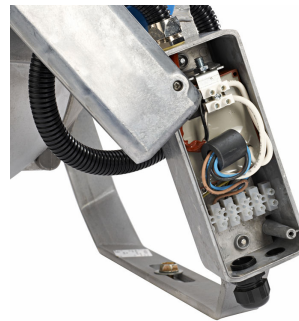
Electrical connection box equipped with series ignitor



Simple aiming device



Glare shield



Electrical connection box equipped with e-ignitor

Accessories



Precision aiming device

Ordercode 89695000

ArenaVision MVF403

Approval and Application

Mech. impact protection code IK08

General Information

CE mark CE mark

Gear -

Number of light sources 1

Product Family Code MVF403

General Information

Order Code	Full Product Name	Light source colour	Optical cover/lens type	Lamp family code	Lamp power	Optic type
50265700	MVF403 MHN-LA1000W/956 A1 SI	956 daylight	DOWN	MHN-LA	1000 W	Beam category A1
50266400	MVF403 MHN-LA1000W/956 A2 SI	956 daylight	DOWN	MHN-LA	1000 W	Beam category A2
50267100	MVF403 MHN-LA1000W/956 A3 SI	956 daylight	DOWN	MHN-LA	1000 W	Beam category A3
50268800	MVF403 MHN-LA1000W/956 A4 SI	956 daylight	DOWN	MHN-LA	1000 W	Beam category A4
50269500	MVF403 MHN-LA1000W/956 A5 SI	956 daylight	DOWN	MHN-LA	1000 W	Beam category A5
50270100	MVF403 MHN-LA1000W/956 A6 SI	956 daylight	DOWN	MHN-LA	1000 W	Beam category A6
50271800	MVF403 MHN-LA1000W/956 A7 SI	956 daylight	DOWN	MHN-LA	1000 W	Beam category A7
50272500	MVF403 MHN-LA1000W/956 A8 SI	956 daylight	DOWN	MHN-LA	1000 W	Beam category A8
39888200	MVF403 MHN-LA1000W/956 A4 HRE	956 daylight	-	MHN-LA	1000 W	Beam category A4
39889900	MVF403 MHN-LA1000W/956 A5 HRE	956 daylight	-	MHN-LA	1000 W	Beam category A5
39890500	MVF403 MHN-LA1000W/956 A6 HRE	956 daylight	-	MHN-LA	1000 W	Beam category A6
59896100	MVF403 MHN-LA1000W/956 A5 ESI	956 daylight	-	MHN-LA	1000 W	Beam category A5
06935500	MVF403 MHN-SA2000W A7 SI AM	-	DOWN	MHN-SA	2000 W	Beam category A7
06945400	MVF403 MHN-SA2000W A1 SI	-	DOWN	MHN-SA	2000 W	Beam category A1
06946100	MVF403 MHN-SA2000W A2 SI	-	DOWN	MHN-SA	2000 W	Beam category A2
06947800	MVF403 MHN-SA2000W A3 SI	-	DOWN	MHN-SA	2000 W	Beam category A3
06948500	MVF403 MHN-SA2000W A4 SI	-	DOWN	MHN-SA	2000 W	Beam category A4
06949200	MVF403 MHN-SA2000W A5 SI	-	DOWN	MHN-SA	2000 W	Beam category A5
06950800	MVF403 MHN-SA2000W A6 SI	-	DOWN	MHN-SA	2000 W	Beam category A6
06951500	MVF403 MHN-SA2000W A7 SI	-	DOWN	MHN-SA	2000 W	Beam category A7
06890700	MVF403 MHN-SA2000W/956 A2 HRE AM	956 daylight	DOWN	MHN-SA	2000 W	Beam category A2
06894500	MVF403 MHN-SA2000W/956 A6 HRE AM	956 daylight	DOWN	MHN-SA	2000 W	Beam category A6
06898300	MVF403 MHN-SA2000W/956 A2 SI AM	956 daylight	DOWN	MHN-SA	2000 W	Beam category A2
06899000	MVF403 MHN-SA2000W/956 A3 SI AM	956 daylight	DOWN	MHN-SA	2000 W	Beam category A3
06900300	MVF403 MHN-SA2000W/956 A4 SI AM	956 daylight	DOWN	MHN-SA	2000 W	Beam category A4
06901000	MVF403 MHN-SA2000W/956 A5 SI AM	956 daylight	DOWN	MHN-SA	2000 W	Beam category A5
06902700	MVF403 MHN-SA2000W/956 A6 SI AM	956 daylight	DOWN	MHN-SA	2000 W	Beam category A6
06903400	MVF403 MHN-SA2000W/956 A7 SI AM	956 daylight	DOWN	MHN-SA	2000 W	Beam category A7
06906500	MVF403 MHN-SA2000W/956 A2 HRE	956 daylight	DOWN	MHN-SA	2000 W	Beam category A2
06907200	MVF403 MHN-SA2000W/956 A3 HRE	956 daylight	DOWN	MHN-SA	2000 W	Beam category A3
06908900	MVF403 MHN-SA2000W/956 A4 HRE	956 daylight	DOWN	MHN-SA	2000 W	Beam category A4
06909600	MVF403 MHN-SA2000W/956 A5 HRE	956 daylight	DOWN	MHN-SA	2000 W	Beam category A5
06910200	MVF403 MHN-SA2000W/956 A6 HRE	956 daylight	DOWN	MHN-SA	2000 W	Beam category A6
06911900	MVF403 MHN-SA2000W/956 A7 HRE	956 daylight	DOWN	MHN-SA	2000 W	Beam category A7
06913300	MVF403 MHN-SA2000W/956 A1 SI	956 daylight	DOWN	MHN-SA	2000 W	Beam category A1
06914000	MVF403 MHN-SA2000W/956 A2 SI	956 daylight	DOWN	MHN-SA	2000 W	Beam category A2
06915700	MVF403 MHN-SA2000W/956 A3 SI	956 daylight	DOWN	MHN-SA	2000 W	Beam category A3
06916400	MVF403 MHN-SA2000W/956 A4 SI	956 daylight	DOWN	MHN-SA	2000 W	Beam category A4
06917100	MVF403 MHN-SA2000W/956 A5 SI	956 daylight	DOWN	MHN-SA	2000 W	Beam category A5
06918800	MVF403 MHN-SA2000W/956 A6 SI	956 daylight	DOWN	MHN-SA	2000 W	Beam category A6
06919500	MVF403 MHN-SA2000W/956 A7 SI	956 daylight	DOWN	MHN-SA	2000 W	Beam category A7

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Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Colour Temperature	Order Code	Full Product Name	Init. Corr. Colour Temperature
50265700	MVF403 MHN-LA1000W/956 A1 SI	5600 K	06894500	MVF403 MHN-SA2000W/956 A6 HRE AM	5600 K
50266400	MVF403 MHN-LA1000W/956 A2 SI	5600 K	06898300	MVF403 MHN-SA2000W/956 A2 SI AM	5600 K
50267100	MVF403 MHN-LA1000W/956 A3 SI	5600 K	06899000	MVF403 MHN-SA2000W/956 A3 SI AM	5600 K
50268800	MVF403 MHN-LA1000W/956 A4 SI	5600 K	06900300	MVF403 MHN-SA2000W/956 A4 SI AM	5600 K
50269500	MVF403 MHN-LA1000W/956 A5 SI	5600 K	06901000	MVF403 MHN-SA2000W/956 A5 SI AM	5600 K
50270100	MVF403 MHN-LA1000W/956 A6 SI	5600 K	06902700	MVF403 MHN-SA2000W/956 A6 SI AM	5600 K
50271800	MVF403 MHN-LA1000W/956 A7 SI	5600 K	06903400	MVF403 MHN-SA2000W/956 A7 SI AM	5600 K
50272500	MVF403 MHN-LA1000W/956 A8 SI	5600 K	06906500	MVF403 MHN-SA2000W/956 A2 HRE	5600 K
39888200	MVF403 MHN-LA1000W/956 A4 HRE	5600 K	06907200	MVF403 MHN-SA2000W/956 A3 HRE	5600 K
39889900	MVF403 MHN-LA1000W/956 A5 HRE	5600 K	06908900	MVF403 MHN-SA2000W/956 A4 HRE	5600 K
39890500	MVF403 MHN-LA1000W/956 A6 HRE	5600 K	06909600	MVF403 MHN-SA2000W/956 A5 HRE	5600 K
59896100	MVF403 MHN-LA1000W/956 A5 ESI	5600 K	06910200	MVF403 MHN-SA2000W/956 A6 HRE	5600 K
06935500	MVF403 MHN-SA2000W A7 SI AM	-	06911900	MVF403 MHN-SA2000W/956 A7 HRE	5600 K
06945400	MVF403 MHN-SA2000W A1 SI	-	06913300	MVF403 MHN-SA2000W/956 A1 SI	5600 K
06946100	MVF403 MHN-SA2000W A2 SI	-	06914000	MVF403 MHN-SA2000W/956 A2 SI	5600 K
06947800	MVF403 MHN-SA2000W A3 SI	-	06915700	MVF403 MHN-SA2000W/956 A3 SI	5600 K
06948500	MVF403 MHN-SA2000W A4 SI	-	06916400	MVF403 MHN-SA2000W/956 A4 SI	5600 K
06949200	MVF403 MHN-SA2000W A5 SI	-	06917100	MVF403 MHN-SA2000W/956 A5 SI	5600 K
06950800	MVF403 MHN-SA2000W A6 SI	-	06918800	MVF403 MHN-SA2000W/956 A6 SI	5600 K
06951500	MVF403 MHN-SA2000W A7 SI	-	06919500	MVF403 MHN-SA2000W/956 A7 SI	5600 K
06890700	MVF403 MHN-SA2000W/956 A2 HRE AM	5600 K			

