



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 ignitor, which works in combination with Philips' flicker-free electronic-ballast GearUnits (ECM330), to be ordered separately.

PHILIPS

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 color rendering

Features

- High-output compact single-ended metal-halide lamp with excellent color 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

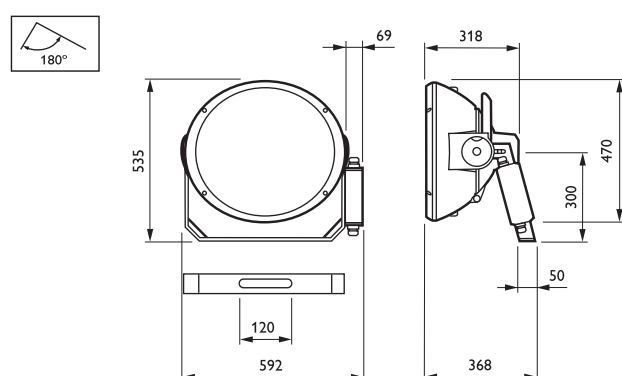
• Type	MVF404	• Installation	On mast head frame, ceiling, wall and floor mounting The lamp is easily installed and lamping/relamping can be done with one hand only Precision aiming facilities at both top and bottom of the housing for use in conjunction with the ZVF403 PAD accessory Adjustment of mounting bracket: 360° Ambient temperature outdoor: 35 °C Drag factor (Cx): 0.93 Projected area in 70° position: 0.20 m ² Max adjustment from the horizontal: -90 / +90°
• 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 / ESI), integral Hot-restrike (HRE), integral	• 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/contact 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 (not available for flicker-free version) Uplighting versions available for architectural lighting Special cable sleeve version for tropical regions	• Accessories	External glare shield (ZVF403 GS), precision (ZVF403 PAD) aiming device
• 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	• Remarks	Equipped with series ignitor (SI / ESI) 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 units (ECB/ECP330) and 277-480 V / 50-60 Hz electronic flicker-free ballast gear units (ECM330) are available, to be ordered separately

Related products

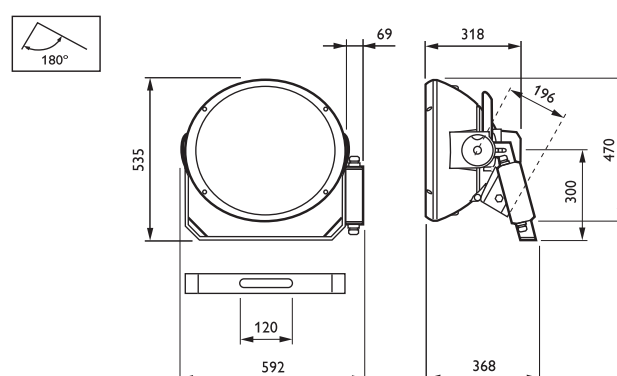


ArenaVision MVF404 sports flood-lighting luminaire

Dimensional drawing



MVF404 MHN-SEH2000W/956 B1 SI



MVF404 MHN-SEH2000W/956 B1 HRE

Product details



MVF404 with B1 optic



Side view of ArenaVision MVF404 with connection box on the bracket



Electrical connection box equipped with series ignitor



MVF404 with B2 optic

Product details



MVF404 with B3 optic



MVF404 with B4 optic



MVF404 with B5 optic



MVF404 with B6 optic



MVF404 with B7 optic



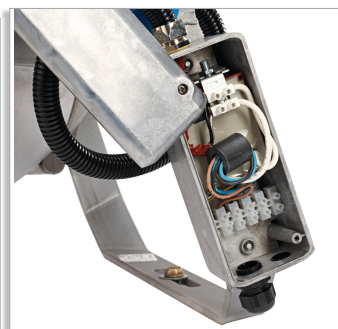
Compact lamp with conventional hot-restrike ignitor (HRE)



Built-in safety knife connector system, which automatically disconnects the mains power when the rear-access back cover is opened



MVF404 with B8 optic



Electrical connection box equipped with e-ignitor

General information

Order code	Product family code	Number of light sources	Lamp family code	Lamp power	Light source color	Gear	Mech. impact protection code	Optic type	Optical cover/lens type	CE mark	ENEC mark
910502218118	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B1	DOWN	CE	ENEC
910502218218	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B2	DOWN	CE	ENEC
910502218318	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B3	DOWN	CE	ENEC
910502218418	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B4	DOWN	CE	ENEC
910502218518	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B5	DOWN	CE	ENEC
910502218618	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B6	DOWN	CE	ENEC
910502218718	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B7	DOWN	CE	ENEC
910502218818	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B1	DOWN	CE	ENEC
910502218918	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B2	DOWN	CE	ENEC
910502219018	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B3	DOWN	CE	ENEC
910502219118	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B4	DOWN	CE	ENEC
910502219218	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B5	DOWN	CE	ENEC
910502219318	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B6	DOWN	CE	ENEC
910502219418	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B7	DOWN	CE	ENEC
910502219518	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B1	DOWN	CE	ENEC
910502219618	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B2	DOWN	CE	ENEC
910502219718	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B3	DOWN	CE	ENEC
910502219818	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B4	DOWN	CE	ENEC
910502219918	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B5	DOWN	CE	ENEC
910502220018	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B6	DOWN	CE	ENEC
910502220118	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B7	DOWN	CE	ENEC
910502220218	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B1	DOWN	CE	ENEC
910502220318	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B2	DOWN	CE	ENEC
910502220418	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B3	DOWN	CE	ENEC
910502220518	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B4	DOWN	CE	ENEC
910502220618	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B5	DOWN	CE	ENEC
910502220718	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B6	DOWN	CE	ENEC
910502220818	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B7	DOWN	CE	ENEC
910502273418	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B1	UP	CE	ENEC
910502273518	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B2	UP	CE	ENEC
910502273618	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B3	UP	CE	ENEC
910502273718	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B4	UP	CE	ENEC
910502273818	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B5	UP	CE	ENEC
910502273918	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B6	UP	CE	ENEC
910502274018	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B7	UP	CE	ENEC
910502274118	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B8	UP	CE	ENEC
910502274218	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B1	UP	CE	ENEC
910502274318	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B2	UP	CE	ENEC
910502274418	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B3	UP	CE	ENEC
910502274518	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B4	UP	CE	ENEC
910502274618	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B5	UP	CE	ENEC
910502274718	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B6	UP	CE	ENEC
910502274818	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B7	UP	CE	ENEC
910502274918	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B8	UP	CE	ENEC
910502275018	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B1	UP	CE	ENEC
910502275118	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B2	UP	CE	ENEC
910502275218	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B3	UP	CE	ENEC

Order code	Product family code	Number of light sources	Lamp family code	Lamp power	Light source color	Gear	Mech. impact protection code	Optic type	Optical cover/lens type	CE mark	ENEC mark
910502275318	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B4	UP	CE	ENEC
910502275418	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B5	UP	CE	ENEC
910502275518	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B6	UP	CE	ENEC
910502275618	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B7	UP	CE	ENEC
910502275718	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B8	UP	CE	ENEC
910502275818	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B1	UP	CE	ENEC
910502275918	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B2	UP	CE	ENEC
910502276018	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B3	UP	CE	ENEC
910502276118	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B4	UP	CE	ENEC
910502276218	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B5	UP	CE	ENEC
910502276318	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B6	UP	CE	ENEC
910502276418	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B7	UP	CE	ENEC
910502276518	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B8	UP	CE	ENEC
910502279218	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B8	DOWN	CE	ENEC
910502279318	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B8	DOWN	CE	ENEC
910502279418	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B8	DOWN	CE	ENEC
910502279518	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B8	DOWN	CE	ENEC
910505014218	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B1	-	CE	ENEC
910505014318	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B2	-	CE	ENEC
910505014418	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B3	-	CE	ENEC
910505014518	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B4	-	CE	ENEC
910505014618	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B5	-	CE	ENEC
910505014718	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B6	-	CE	ENEC
910505014818	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B7	-	CE	ENEC
910505014918	MVF404	1	MHIN-SEH	2000 W	956	No	IK08	B8	-	CE	ENEC

Accessories



ZVF403 GS

Glare shield



© 2015 Koninklijke Philips N.V. (Royal Philips)
All rights reserved.

Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips N.V. (Royal Philips) or their respective owners.

www.philips.com/lighting

2015, February 20
data subject to change

Accessories

Order code	Product family code	Description
910500702218	ZVF403 GS	Glare shield



© 2015 Koninklijke Philips N.V. (Royal Philips)
All rights reserved.

Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips N.V. (Royal Philips) or their respective owners.

www.philips.com/lighting

2015, February 20
data subject to change