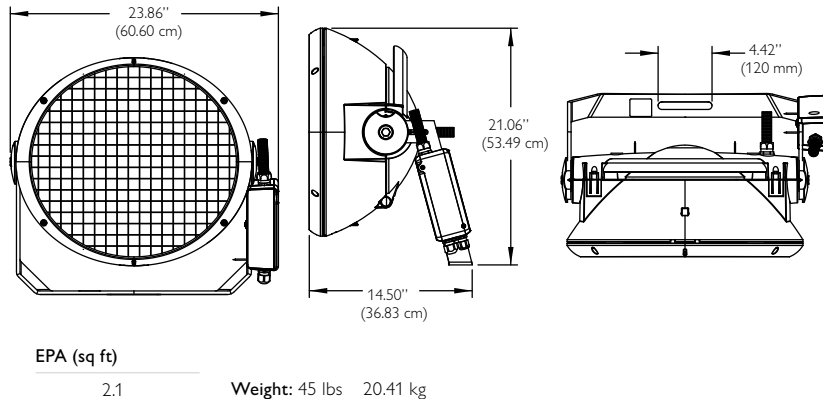


# MVF403 Series

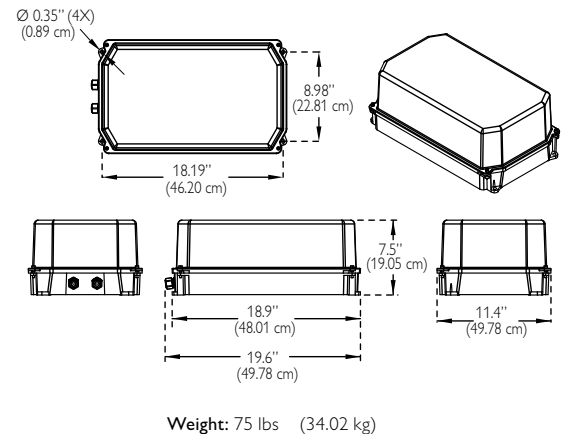
## Precision Architectural Floodlight, 2000W HID

Type:	Job:						Approvals:
Catalog Number:							
Optic Head:	MVF403	-	-	-			
	Series	Wattage/Source	Distribution	Options			
Single Ballast Housing:	-	MVF403	-	-	-	NP	Date: Page 1 of 4
	Wattage/Source	Series	Voltage	Options	Finish	Accessories	

### Overall Dimensions (for reference only)



### Ballast Box Dimensions



### Specifications

#### Housing

Housing elements shall be non-corrosive, cast aluminum. Housing shall be fully IP65 compliant; completely sealed, dust tight and pressure spray waterproof. Fixture housing shall have an EPA of 2.1 sq. ft.

#### Optical Assembly

Projector / luminaire shall offer seven (7) different optical distributions. Each made of high-purity aluminum, designed around a single optically centered lamp arc, the mono-block reflectors shall be stamped, polished and anodized with a reflectivity of no less than 86%.

#### Lamp

Lamp shall be a 2000 watt, double-ended pulse start metal halide lamp. 50000 hour rated lamp life with 200,000 initial lumens and shall exhibit a CRI of 90 with a color temperature of 5600K.

#### Lamp Access

Access for lamp replacement is through the gasketed and sealed rear hatch which has toolless entry via two (2) simple clips. Inside the luminaire housing, the lamp is secured between two (2) centering towers which hold the double-ended lamp in its precise optical location. Lamp is energized via the end cables which sandwich between the door-mounted and fixture-mounted socket. Once door is closed and clips are fastened, the optic housing is fully IP65 compliant.

#### Lens/Door Frame Assembly

Fixture shall have a high-temperature rated transparent ceramic lens with breakage screen and shall be secured by a high-temperature, seamless gasket within a cast aluminum door frame.

#### Ignitor Box

Lamp ignitor and lamp supply power wiring block shall reside inside of an IP65 compliant cast aluminum housing attached to the fixture mount. The ignitor box is reversible in its location depending upon the fixture mount, lifted up or suspended down from its platform.

#### Ballast

High power factor remote outdoor pulse start metal halide ballast is mounted to a stamped and machined ballast tray inside the remote ballast housing. Ballast is rated Class N, 200°C (390°F) rated insulation. Crest factor shall not exceed 1.8. Ballast starting current is less than operating with reliable starting down to -30°C (-20°F).

#### Ballast Housing

Cast aluminum housing shall be gasketed and sealed to IP65 standards and shall be finished with an UltraClad polyester powder coating, 2.5 mil nominal thickness, electrostatically applied and oven cured. Housing shall be thoroughly cleaned by a pre-treatment process, ensuring optimum performance and adhesion characteristics. Ballast housing shall have an EPA of 1.45 sq. ft. Multiple ballast housings available. Consult factory.

#### Safety

Lamp maintenance is assured to be safe through the innovative lamp door mounted micro-switch which triggers power interruption to the ballast when the door is in the open position. Fixture comes standard with an aircraft safety cable to connect fixture head to permanent mounting structure.

#### Mounting

Mounting shall be via a rotatable and laterally adjustable bracket that is attached to a horizontal platform at a single point with a bolt and locking washers. Fixture can be mounted in a lifted upward or suspended downward position depending upon project requirements.

#### Aiming

Fixture tilt can be locked via optional memory aiming device which allows for fixture maintenance to be performed and then 'clicked' back into position.

#### Finish

Fixture head is unfinished aluminum resistant to oxidation. Unit shall be shot-peened for a consistent look and finish.

#### Listings

ETL/cETL listed to the UL 1598 standard, suitable for wet locations. ETL listed for use in ambient temperatures up to 35°C. The quality systems of this facility have been registered by UL to the ISO 9001 Series Standards.

#### Warranty

5 year limited warranty. See [philips.com/warranties](http://philips.com/warranties) for complete details and exclusions.



Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled 'Contain Mercury' and/or with the symbol 'Hg'. Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycle and disposal can be found at [www.lamprecycle.org](http://www.lamprecycle.org).

**PHILIPS**



# MVF403 Series

Precision Architectural Floodlight, 2000W HID

Type:	Job:	Page 2 of 4
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MVF403



## Optic Head Ordering Guide

Series-Wattage/Source	Distribution	Options	Accessories (must be ordered separately)
Pulse Start Metal Halide			
<input type="checkbox"/> <b>MVF403-2000P</b>	<input type="checkbox"/> <b>A1</b> <input type="checkbox"/> <b>A2</b> <input type="checkbox"/> <b>A3</b> <input type="checkbox"/> <b>A4</b> <input type="checkbox"/> <b>A5</b> <input type="checkbox"/> <b>A6</b> <input type="checkbox"/> <b>A7</b>	<input type="checkbox"/> <b>MA</b> Memory Aiming <input type="checkbox"/> <b>xC</b> Prewired Cord (X=length in ft)	<input type="checkbox"/> <b>SAD-MVF403</b> Simple Aiming Device <input type="checkbox"/> <b>SK-MVF403</b> External Shield

## Single Ballast Housing Ordering Guide

Wattage/Source-Series	Voltage	Options	Finish
Pulse Start Metal Halide			
<input type="checkbox"/> <b>2000P-MVF403</b>	<input type="checkbox"/> <b>277</b> 12.1 2198 <input type="checkbox"/> <b>347</b> 10.6 2198 <input type="checkbox"/> <b>480</b> 7.5 2198	<input type="checkbox"/> <b>F1</b> Single Fusing 277, 347V (specify voltage) <input type="checkbox"/> <b>F2</b> Double Fusing 480V <input type="checkbox"/> <b>F3</b> Double Fusing 480V (Canadian double pull) <input type="checkbox"/> <b>xC</b> Prewired Cord (X=length in ft)	<input checked="" type="checkbox"/> <b>NP</b> Natural Paint

Remote Distance Allowed			
maximum one-way length of wire between lamp and ballast (voltage drop limited to 1% of lamp wattage)			
#6	#8	#10	#12
200'	110'	70'	45'

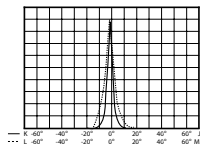
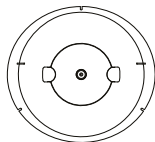
# MVF403 Series

Precision Architectural Floodlight, 2000W HID

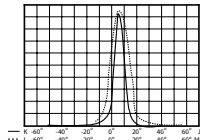
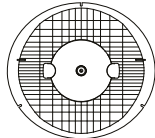
Type:	Job:	Page 3 of 4
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## Distribution Details

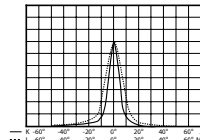
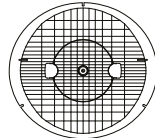
**A1**



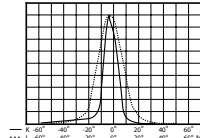
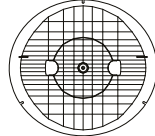
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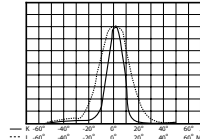
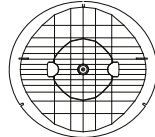
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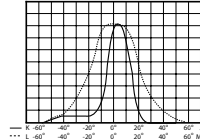
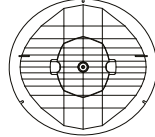
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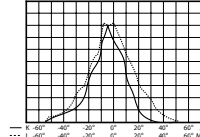
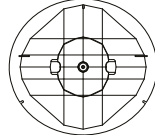
**A5**



**A6**



**A7**



## Lamp Details



Transversal lamp-optic system's  
lamp is in the horizontal position

requires DE lamp

# MVF403 Series

Precision Architectural Floodlight, 2000W HID

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Notes:



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