

# AE2 Series

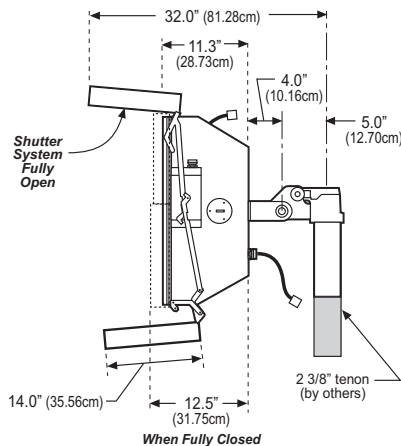
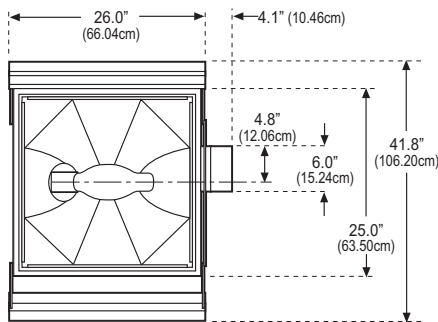
## Arena Eclipse Indoor Sports Floodlight, 1000W HID

Type:	Job:	Approvals:					
Catalog Number:							
AE2M-1000 - - MADJ - MW(X)CBLKMP							
Series/Source-Wattage (Fixture Series)	Optics (Reflector)	Mounting (Standard)	Standard Features (X = Cord length in feet: 8 or 10)	Accessories (Field Installed - Shipped Separately)	Date: Page 1 of 6		
1000-MPBM - -							
(Remote Ballast Series)	Voltage (Specify with or without Shutter System)		Options (Factory Installed)				

### Overall Dimensions

For Reference Only

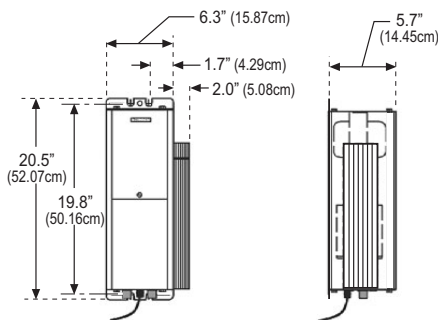
#### Optic Assembly



#### Weight

65 lbs (29.48 kgs)

#### Remote Ballast



#### Weight

45 lbs (20.41 kgs)

### Specifications

#### Housing

The Arena Eclipse blackout luminaire is of heavy duty construction consisting of a separate optical assembly completely enclosed by an aluminum and steel housing. Standard unit constructed to IP52.

#### Optics (Reflector)

Reflectors shall be segmented, of high purity anodized aluminum, "Super Sheet" with inorganic dielectric coating with a minimum reflectivity of 94%.

#### Lamp Access

Lamp access is through the side so as not to disturb the luminaire aiming. Relamp door has a silicone gasket and is secured by four captive screws to ensure the optical assembly is sealed from particulate entry. Safety cable provided to retain the relamp door while relamping.

#### Lens Door / Frame Assembly

Heat and impact resistant tempered glass lens is held in place by an extruded aluminum door frame with mitered corners. Lens assembly is sealed from particulate entry by means of a continuous extruded silicone gasket.

#### Lamp Socket

Pre-wired grip-type mogul base socket. Glass end of lamp is held in precise photometric alignment and protected from breakage by a Stabilux socket.

#### Lamp Socket Monitor

E39 position-oriented lamp socket, designed for high output lamps, will also accept any clear universal mount BT37 lamp. The Lamp Socket Monitor, a circular, externally adjustable socket mounting plate equipped with a built-in level is standard. Regardless of final fixture aiming, adjustment of the high output lamp to proper burn position assures optimum performance.

#### Shutter System

Shutter system is provided to simulate instant on/off of the luminaire for special theatrical effects. Shutter motor is reversible high torque and permanently lubricated for long life. Motor is rated to operate at 120 volts from a tap on the ballast (no external power source required for shutter system operation). Fixture is capable of operating with the shutter closed indefinitely. Fail-safe mechanism extinguishes lamp should the shutter fail to close within three seconds and is reset by turning primary voltage to the luminaire off and on, or by pressing re-set button on "Eclipse" module.

#### Ballast

SilentGuard high power factor MPB remote indoor Eclipse Series ballast is enclosed in an extruded aluminum housing. Core and coil are encapsulated in a polyester resin compound (standard SilentGuard feature) to minimize ballast noise and ensure cooler operation. Ballast has Class H, 180°C (356°F) rated insulation. Crest factor does not exceed 1.8. Ballast starting current is less than operating with reliable starting down to -29°C (-20°F). Primary side of ballast is pre-wired with 6 ft. SO cord and twist-lock plug. Modular receptacles are provided to simplify secondary wiring of the HID socket and the motorized shutter. External "Eclipse" module featuring Red/Green LED status indicators of mechanical and electrical ballast function. Control override input jack allows direct control via hand-held controller.

#### Mounting

Cast aluminum mastfitter with Memory Aiming Device (MADJ) fits a 2-3/8" O.D. x 4" tall vertical tenon (by others). Remote "MPB" ballast is adaptable for wall, platform or rack mounting.

#### Finish

Standard finish for luminaire and remote ballast shall be black UltraClad polyester powder coating, 2.5 mil nominal thickness, electrostatically applied and oven cured. All components shall be thoroughly cleaned by a 5 stage pre-treatment process including iron phosphate bath and non-chromic acid etching stages, ensuring optimum performance characteristics.

#### Listings

UL/cUL Listed Luminaire, UL 1598, suitable for Dry Locations. The quality systems of this facility have been Registered by UL to the ISO 9000 Series Standards.

#### Warranty / Terms and Conditions

Standard 5 Year Limited Warranty

The current Philips Wide-Lite Warranty may be found at [www.wide-lite.com](http://www.wide-lite.com) (keyword: warranty) as well as the current Standard Terms and Conditions of Sale (keyword: terms).

All sales of items in this catalogue shall be subject to the Philips Wide-Lite Standard Terms and Conditions of Sale current at the time of shipment. If you do not have a copy of the Philips Wide-Lite Warranty and Standard Terms, please contact the factory for same prior to ordering.



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).

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Fixture Series/Source-Wattage	Optics (Reflector)	Mounting
<b>Metal Halide</b> <input checked="" type="checkbox"/> <b>AE2M-1000</b>	<b>with Shutter System</b> <input type="checkbox"/> <b>A</b> <input type="checkbox"/> <b>B</b> <input type="checkbox"/> <b>N</b> <input type="checkbox"/> <b>U</b>	<input checked="" type="checkbox"/> <b>MADJ</b> Mastfitter Cast aluminum mastfitter with Memory Aiming Device
	<b>less Shutter System</b> <input type="checkbox"/> <b>ALS</b> <input type="checkbox"/> <b>BLS</b> <input type="checkbox"/> <b>NLS</b> <input type="checkbox"/> <b>ULS</b>	

Remote Ballast Series	Voltage
<b>Metal Halide</b> <input checked="" type="checkbox"/> <b>1000-MPBM</b> Fixtures are furnished with regulating HPF single voltage ballasts: 120V, 208V, 277V, 347V or 480V.	<b>with Shutter System</b> <input type="checkbox"/> <b>120ESCM-MW-6C-L2320P</b> <input type="checkbox"/> <b>208ESCM-MW-6C-L2320P</b> <input type="checkbox"/> <b>277ESCM-MW-6C-L2320P</b> <input type="checkbox"/> <b>347ESCM-MW-6C-L2320P</b> <input type="checkbox"/> <b>480ESCM-MW-6C-L2320P</b>
	<b>less Shutter System</b> <input type="checkbox"/> <b>120-MW-6C-L2320P</b> <input type="checkbox"/> <b>208-MW-6C-L2320P</b> <input type="checkbox"/> <b>277-MW-6C-L2320P</b> <input type="checkbox"/> <b>347-MW-6C-L2320P</b> <input type="checkbox"/> <b>480-MW-6C-L2320P</b>

Options (Factory Installed)	Accessories (Field Installed - Shipped Separately)
<input type="checkbox"/> <b>BL</b> Bi-Level (for Less Shutter System) <input type="checkbox"/> <b>BLEM</b> Bi-Level (for Shutter System) <input type="checkbox"/> <b>F1</b> Single Fuse (120/277/347V) <input type="checkbox"/> <b>F2</b> Double Fuse (208/240/480V)	<input type="checkbox"/> <b>F1-KIT</b> Single Fuse Kit (120/277/347V) <input type="checkbox"/> <b>F2-KIT</b> Double Fuse Kit (208/240/480V) <input type="checkbox"/> <b>AMB-S</b> Single Fixture Mounting Bracket <input type="checkbox"/> <b>AMB-D</b> Double Fixture Mounting Bracket <input type="checkbox"/> <b>AE2-STY-CBL</b> Fixture Safety Cable <input type="checkbox"/> <b>SRB</b> Strain Relief Bracket

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### Distribution Guide & Ballast Data <sup>(1,2)</sup>

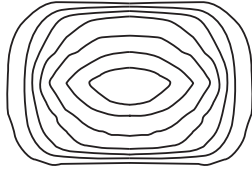
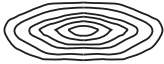


Source Type <sup>(1)</sup>	Catalog Number	Reflector Type	Lamp <sup>(2)</sup> Envelope	.ies File Name	Ballast Type <sup>(3)</sup>	ANSI Code	Line Current 120 / 208 / 277 / 347 / 480	Line Watts
<b>MH</b>	<b>AE2M-1000</b>	A	BT37	Consult factory	CWA	M47 / H36	9.2 / 5.6 / 4.7 / 4.1 / 3.2 / 2.4	1080
	<b>AE2M-1000</b>	B	BT37	Consult factory	CWA	M47 / H36	9.2 / 5.6 / 4.7 / 4.1 / 3.2 / 2.4	1080
	<b>AE2M-1000</b>	N	BT37	Consult factory	CWA	M47 / H36	9.2 / 5.6 / 4.7 / 4.1 / 3.2 / 2.4	1080
	<b>AE2M-1000</b>	U	BT37	Consult factory	CWA	M47 / H36	9.2 / 5.6 / 4.7 / 4.1 / 3.2 / 2.4	1080

1) MH = Metal Halide.

2) The Arena Eclipse is designed and installed using high output BT37 clear lamps. Lamp socket will accept any universal burn BT37 clear lamp, however performance will be negatively affected.

3) CWA = Constant Wattage Autotransformer.

### Beam Spreads and Distribution Patterns

BEAM PATTERNS Reflector Type	Wattage/ Source	Max Candle Power	H x V NEMA	BEAM SPREADS	
				Horizontal 10% Field Angle	Vertical 50% Beam Angle
<b>A</b>	1000W MH	210,981	5 x 4	86° x 62°	44° x 23°
					
<b>B</b>	1000W MH	399,650	4 x 2	67° x 26°	27° x 11°
					
<b>N</b>	1000W MH	432,750	4 x 3	66° x 31°	27° x 12°
					
<b>U</b>	1000W MH	115,000	4 x 2	67° x 28°	27° x 11°
					

Philips Wide-Lite reserves the right to change specifications and dimensions without notice. Lamp and electrical specifications / availability subject to change by manufacturer without notice. Please refer to detailed specification sheets for additional information and spec details.

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### Option details (Factory Installed)

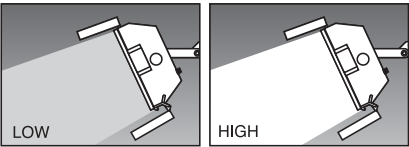
- BL**

Bi-Level dimming ballast for Less Shutter Systems

Bi-Level provides high/low level of lamp output with up to 50% power consumption.
- BLEM**

Bi-Level dimming ballast for Shutter Systems

Zero crossover network avoids strobing and lamp dropout.
- Bi-Level feature is specified as a Ballast Option.

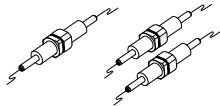


- F1**

Single fuse (120/277/347V)

Fuses are DTK/KLK 30 amp unless otherwise specified.
- F2**

Double fuse (208/240/480V)



# AE2 Series

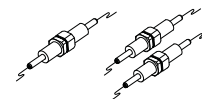
## Arena Eclipse Indoor Sports Floodlight, 1000W HID

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### Accessory details (Field Installed - Shipped Separately)

- F1-KIT** Single fuse kit (120/277/347V)  
**F2-KIT** Double fuse kit (208/240/480V)

Consists of 1 or 2 fuse holders and 1 or 2 KTK 20 amp fuses. Field installed.

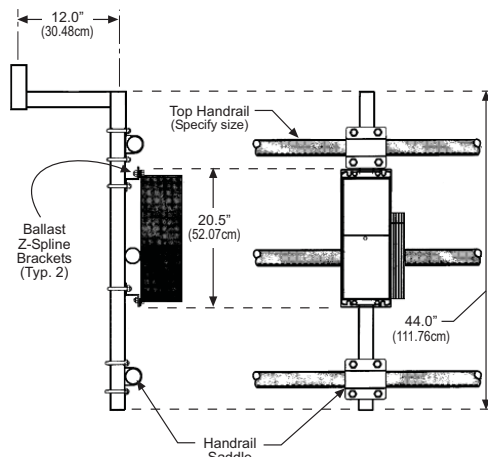


### AMB-S Single fixture mounting bracket

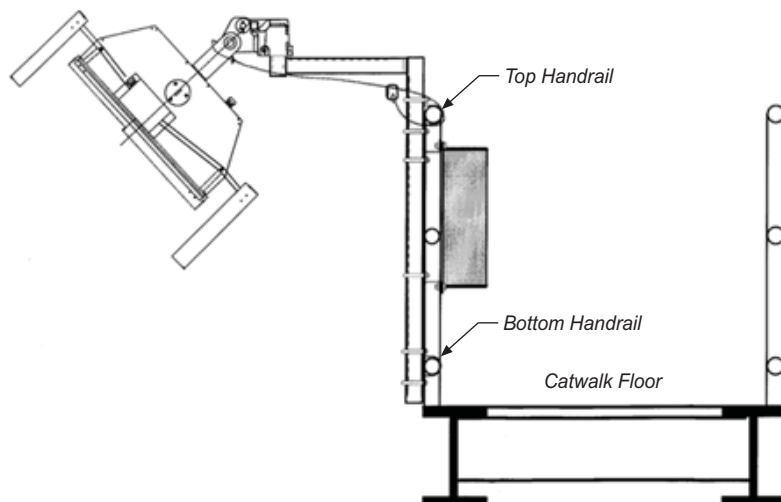
Bracket for mounting single fixture to catwalk.

**Handrail size must be specified. Consult factory.**

Shown with Fixture Safety Cables securing fixture at yoke to handrail of catwalk.



All steel parts are finished Semi-gloss Black.  
 All hardware zinc plated.  
 Ends of all exposed tubes are fitted with plastic closures.  
 Ballasts mount to "Z-Spline" Brackets, attached to fixture mounting bar by U Bolts.  
 Shipping Wt: 18 lbs. Shipped Unassembled.

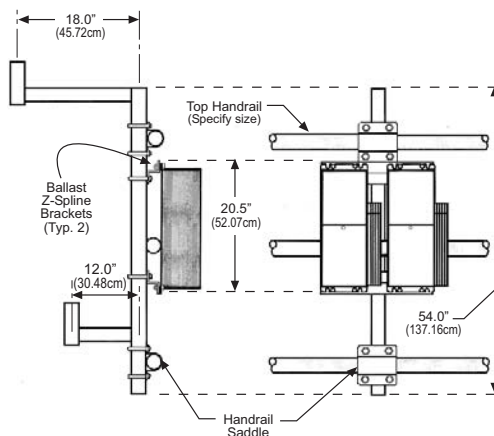


### AMB-D Double fixture mounting bracket

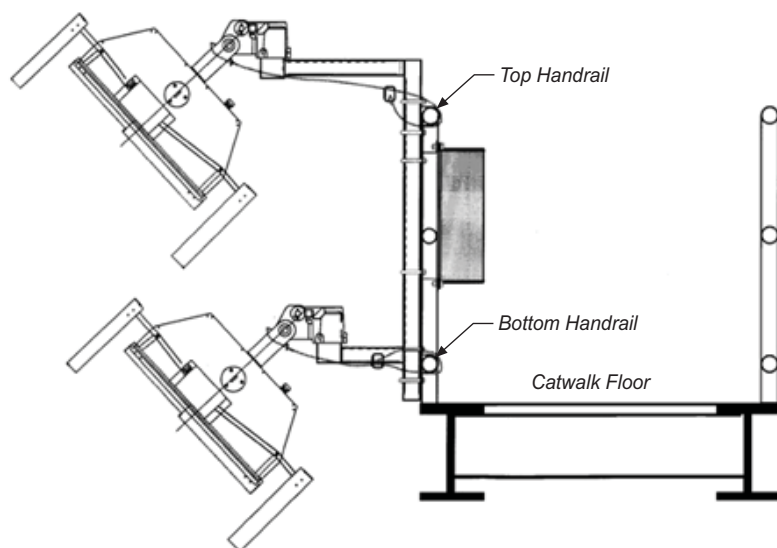
Bracket for mounting two stacked fixtures to catwalk.

**Handrail size must be specified. Consult factory.**

Shown with Fixture Safety Cables securing fixture at yoke to handrail of catwalk.



All steel parts are finished Semi-gloss Black.  
 All hardware zinc plated.  
 Ends of all exposed tubes are fitted with plastic closures.  
 Ballasts mount to "Z-Spline" Brackets, attached to fixture mounting bar by U Bolts.  
 Shipping Wt: 20 lbs. Shipped Unassembled.



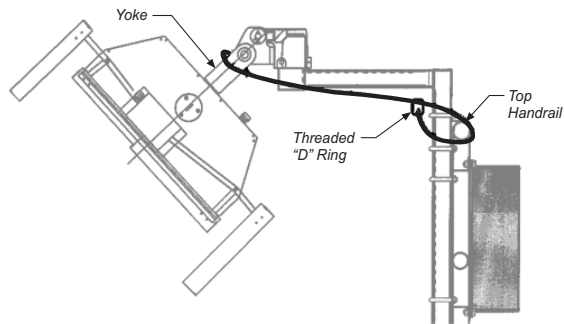
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Accessory details continued (Field Installed - Shipped Separately)

**AE2-STY-CBL** *Fixture Safety Cable*  
1/8" stainless steel aircraft cable  
for securing fixture head to  
catwalk handrail.



<b>SRB</b>	<i>Strain relief bracket</i>	<i>Provides strain relief and shielding for modular wiring cable protection. Also provides convenient handling of ballast.</i>
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### Notes



ISO 9001  
Certified