

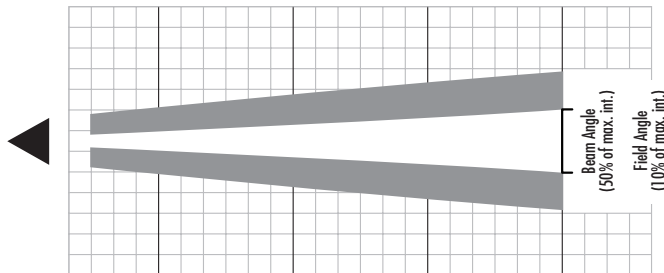
Arc Mini Ellipse 70W



FEATURES

- 50°, 40°, 30° (optional 20°) field angles in one unit, provide maximum versatility
- Unsurpassed photometric performance - Delivers more light per watt than any competitive unit
- Long-life lamp allows for economical and reliable operation
- "Joy-Stick" design allows fast, precise lamp alignment without tools
- Built-in pattern slot
- Each framing shutter travels in its own plane, eliminating interference
- Solid-state ballast provides improved regulation to the lamp resulting in enhanced lamp performance
- Low operating temperature for long pattern life
- UL and C-UL Listed HID fixture for use in damp locations
- The Mini-Ellipse has wide application in architectural design. The compact size and variable focus system make it ideal for framing, accent, and general lighting. The ability to add iris and color frame gives increased versatility over competitive units
- Long life lamp means scheduled service replacement is needed only once a year.
- Consult factory for available color finishes and mounting methods

Peak Focus	50°	40°	30°	50°	40°	30°	50°	40°	30°	50°	40°	30°
*Illumination (lux)	2375	1675	960	1056	603	490	594	308	296	380	186	196
Diameter (meters)	1.9	2.2	2.7	2.8	3.6	3.8	3.7	5.1	4.8	4.7	6.6	5.9
Distance (meters)	2	3	5	3	5	7	4	7	9	5	9	11



Peak Focus	50°	40°	30°	50°	40°	30°	50°	40°	30°	50°	40°	30°
Distance (feet)	7.5	10	15	10	15	25	12.5	20	25	15	25	30
Diameter (feet)	7	7.3	8	9.3	10.9	10.7	11.7	14.6	13.4	14	18.2	16.1
*Illumination (footcandles)	169	151	107	95	67	60	61	38	38	42	24	27

*all illumination is measured at beam center

PHOTOMETRIC PERFORMANCE

- Arc Mini Ellipse® 8-2070, Lamp No. 176-310 ANSI Code M139, 70W 9000hr., 3000° (CRI 83), Metal Halide Lamp with T6 Bulb & G12 Base
- For illumination at any distance, divide candlepower by the distance squared.
- For field diameter at a specific distance, multiply field multiplier by distance.

Field Angle	Beam Candlepower	Field Multiplier
50°	9,500	.93
40°	15,075	.73
30°	24,000	.54
20° (optional)	26,250	.35

Leviton Mfg. Co., Inc. Lighting Management Systems

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PRODUCT DATA

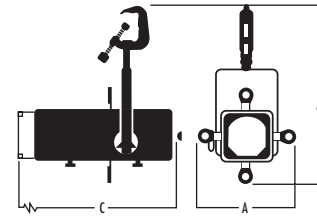


SPECIFICATIONS

- Housing shall be constructed of sheet aluminum and steel with a textured black (white) semi-gloss finish.

MECHANICAL

- Optical train shall consist of a bi-pin base socket accommodating 70W M139 Metal Halide lamp, a specular pure aluminum clad reflector, and piano-convex lenses of low expansion borosilicate glass. Lens configuration of one 4.5"x6.5" and one 4.5"x9" lens shall be operator adjustable to produce fields of 50°, 40° or 30°. The gate assembly shall contain four adjustable stainless steel framing shutters, each operating in its own independent plane. Each plane shall rotate through a maximum of plus or minus 45°, with up to 180° total angulation between adjacent blades. Each unit shall be provided with a pattern slot and a socket/ballast assembly designed for rapid alignment and lamp replacement without the use of tools. An optional customer-installed iris assembly is available.
- Cable shall be 32" 3-wire leads, with connectors as specified under ordering information.
- Socket shall be precision focus type G12, UL recognized, steatite insulated, rated for 2A, 1,000V (5kV Pulse), 180° C continuous operation. The rated lamp seal temperature shall not be exceeded.
- Performance with a 70W, 9000hr. lamp shall be 9,500 beam candlepower with a 50° field, 15,075 with a 40° field, and 24,000 with a 30° field.
- Mounting unit shall be provided with a heavy steel yoke, a painted mailable iron C-clamp adjustable for up to 2" ID pipe with a tapped and insulated threaded steel hanger pin, an insulated focusing handle on the rear and provided with a color frame holder. The unit shall rotate vertically through the yoke for ease of focusing.
- Ballast shall be electronic square-wave type with thermal protection. It shall properly operate the lamp from a 120V±10%, 50/60Hz source at 95% power factor.



DIMENSIONAL DATA - IN. [CM] LBS. [KG]

A	Width	12.87 [31.92]
B	Height	25.75 [50.80]
C	Depth	20.00 [65.41]
Weight (w/ballast)		13.0 [5.90]

CAT. NO.	DESCRIPTION
AAM20-000	20 Degree Lens Tube (Replaces 50/40/30 Degree Lenses)
AM070-50B	Arc Mini Ellipse 30-50 Degree, 70W, 120V, Black, bare wire-no connector.
AM070-50W	Arc Mini Ellipse 30-50 Degree, 70W, 120V, White, bare wire-no connector.
AM070-22B	Arc Mini Ellipse 30-50 Degree, 70W, 120V, Black, 20A grounded stage pin connector.
AM070-22W	Arc Mini Ellipse 30-50 Degree, 70W, 120V, White, 20A grounded stage pin connector.
AM070-42B	Arc Mini Ellipse 30-50 Degree, 70W, 120V, Black, 15A PBG (edison) connector.
AM070-42W	Arc Mini Ellipse 30-50 Degree, 70W, 120V, White, 15A PBG (edison) connector.
AM070-62B	Arc Mini Ellipse 30-50 Degree, 70W, 120V, Black, 20A locking L5-20 connector.
AM070-62W	Arc Mini Ellipse 30-50 Degree, 70W, 120V, White, 20A locking L5-20 connector.
AM070-CoB	Arc Mini Ellipse 30-50 Degree, 70W, 120V, Black
AM070-CoW	Arc Mini Ellipse 30-50 Degree, 70W, 120V, White
ACCESSORIES & LAMPS	
AMECF-000	Color Frame, Mini Ellipse
AMEIK-000	Iris Kit - Mini Ellipse
AMEPH-000	Pattern Holder - Mini-Ellipse
TAoCC-000	C-Clamp for 1 1/2" ID pipe
TAoSC-000	Safety Cable 30"
AMEDO-000	Donut, Mini-Ellipse
CTP-1-9503	Mounting Kit for P1000 Unistrut
LoM85-70W	M139 70W 3000K 9000HR Ceramic Metal Halide T6/G12

LEVITON SPECIFICATION SUBMITTAL

JOB NAME:	CATALOG NUMBERS:
JOB NUMBER:	

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