

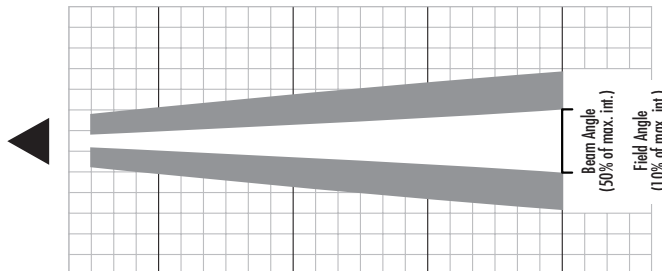
Arc Mini Ellipse 150W



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)	1725	3822	2205	1104	1376	1125	767	702	681	563	425	456
Diameter (meters)	3.7	2.2	2.7	4.7	3.7	3.8	5.6	5.1	4.9	6.5	6.6	5.9
Distance (meters)	4	3	5	5	5	7	6	7	9	7	9	11



Peak Focus	50°	40°	30°	50°	40°	30°	50°	40°	30°	50°	40°	30°
Distance (feet)	10	10	20	15	15	25	20	20	30	25	25	35
Diameter (feet)	9.3	7.3	10.8	14	11	13.5	18.6	14.6	16.2	23.3	18.3	18.9
*Illumination (footcandles)	276	344	138	123	153	88	69	86	61	44	55	45

*all illumination is measured at beam center

PHOTOMETRIC PERFORMANCE

- Arc Mini Ellipse® 8-2050, Lamp No. 176-311 ANSI Code M142, 150W 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°	27,600	.93
40°	34,400	.73
30°	55,125	.54
20° (optional)	54,000	.35

Leviton Mfg. Co., Inc. Lighting Management Systems

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PRODUCT DATA



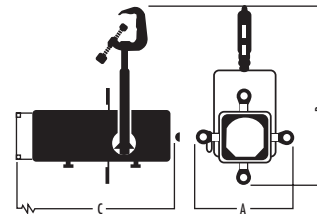
SPECIFICATIONS

- 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 150W M142 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 150W, 9000hr. lamp shall be 27,600 beam candlepower with a 50° field, 34,400 with a 40° field, and 55,125 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 an 80-135V, 60Hz source at 98% 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]

Arc Mini Ellipse 150W

CAT. NO.	DESCRIPTION
CTP-176-311	M142 150W 3000K 9000 HR Ceramic Metal Halide T6/G12
CTP-1-9503	Mounting Kit for P1000 Unistrut
AM150-50B	Arc Mini Ellipse 30-50 Degree, 150W, 120V, Black, bare wire-no connector.
AM150-50W	Arc Mini Ellipse 30-50 Degree, 150W, 120V, White, bare wire-no connector.
AM150-22B	Arc Mini Ellipse 30-50 Degree, 150W, 120V, Black, 20A grounded stage pin connector.
AM150-22W	Arc Mini Ellipse 30-50 Degree, 150W, 120V, White, 20A grounded stage pin connector.
AM150-42B	Arc Mini Ellipse 30-50 Degree, 150W, 120V, Black, 15A PBG (edison) connector.
AM150-42W	Arc Mini Ellipse 30-50 Degree, 150W, 120V, White, 15A PBG (edison) connector.
AM150-62B	Arc Mini Ellipse 30-50 Degree, 150W, 120V, Black, 20A locking L5-20 connector.
AM150-62W	Arc Mini Ellipse 30-50 Degree, 150W, 120V, White
AM150-CoB	Arc Mini Ellipse 30-50 Degree, 150W, 120V, Black
AM150-CoW	Arc Mini Ellipse 30-50 Degree, 150W, 120V, White

LEVITON SPECIFICATION SUBMITTAL

JOB NAME:	CATALOG NUMBERS:
JOB NUMBER:	

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