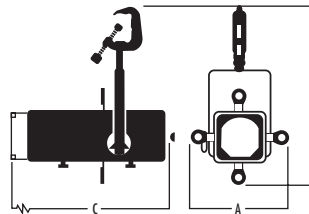




**Features**

- Three field angles (50°, 40°, 30°) in one unit, providing maximum versatility
- Unsurpassed photometric performance. Delivers more light than any competitive unit
- Wide range of long-life lamps allow for economical and reliable operation
- "Joy-Stick" design allows fast, precise filament alignment without tools
- Built-in pattern slot
- Each framing shutter travels in its own plane, eliminating interference
- UL Listed



**Dimensional Data** – in. [cm] lbs.[kg]

<b>A</b> Width	12.87 [31.92]
<b>B</b> Height	20.12 [51.11]
<b>C</b> Depth	16.5 [41.91]
Weight	13.00 [26.33]

# Mini Ellipse® 50°, 40°, 30°

213-155

## Specifications

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

## Mechanical

• Optical Train shall consist of a mini-can base socket accommodating 250, 400, or 500W lamps, a specular pure aluminum clad reflector, and plano convex lenses of low expansion, borosilicate glass. Lens configurations of one 4.5" x 6.5" and one 4.5" x 9" 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 blade shall be equipped with thermally insulated handles with fingerholes. Each unit shall be provided with a pattern slot and a socket assembly designed for rapid filament alignment and lamp replacement

without the use of tools. An optional customer installed Iris assembly is available.

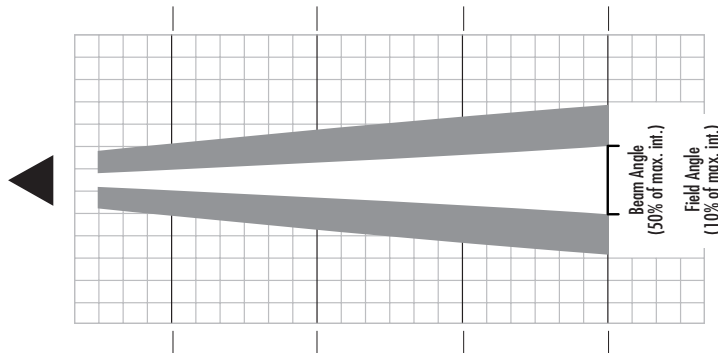
• Cable shall be 36" 3-wire leads, with connectors as specified under ordering information.

• Socket shall be precision type S-4 UL recognized, steatite insulated, rated for 250V, 1,000 watts, 300°C, continuous operation. The rated lamp seal temperature shall not be exceeded.

• Performance with 500W, 2,000 hour lamp shall be 19,500 beam candlepower with 50° field, 31,600 with a 40° field, and 58,000 with a 30° field.

• Mounting unit shall be provided with heavy steel yoke, a painted malleable iron C-Clamp for up to 2" I.D. 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.

Peak Focus	50°	40°	30°	50°	40°	30°	50°	40°	30°	50°	40°	30°
*Illumination (lux)	4869	3511	2320	2164	1264	1184	1217	645	716	779	390	479
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	20	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)	346	316	258	195	140	145	125	79	93	86	51	64

\*all illumination is measured at beam center

## Photometric Performance

- Mini Ellipse 213-155, Lamp No. 176-179 ANSI Code EVR
- 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°	19,500	.93
40°	31,600	.73
30°	58,000	.54

## Description

## Cat. No.

Mini Ellipse with 3-wire bare leads only	213-155
Mini Ellipse with 20A, 2-pole, 3-wire grounding pin plug connector	OPT-00002
Mini Ellipse with 20A U-Ground connector	OPT-00004
Mini Ellipse with 2-pole, 3-wire grounding twistlock	OPT-00006
Mini Ellipse with variation on standard (describe)	OPT-00007

## Accessories

## Cat. No.

Color Frame	120-011
Pattern Holder	138-010
Iris Kit	138-018
Safety Cable	138-059
C-clamp for 1-2" ID pipe	158-003
Donut	120-060

## Lamps

## Cat. No.

500 Watt, 120V, 2,000 hr., ANSI Code EVR	176-179
400 Watt, 120V, 2,000 hr., Code Q400CL/MC	176-181
250 Watt, 120V, 200 hr., ANSI Code EHT	176-180
500 Watt, ANSI Code EVR/240V	176-178
500 Watt, 2,000 hr., ANSI Code EVR 220V	176-177

Specifications subject to change without notice

