ARRI LIGHTING

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Notes on Photometric Data

The Photometric Data in this catalog has been obtained using a calibrated CCD measuring system. Data is normalized to nominal lamp lumens at the rated power given by the lamp manufacturer.

We provide data for minimum spot focus, medium focus and maximum flood focus. Data is shown in footcandles at specific distances from the lamphead. In addition, a formula to determine footcandles at any distance is provided for each fixture.

Beam Angle is represented in degrees as well as beam diameter (in feet and meters) at specific distances. A multiplier factor and formula is included to determine the beam diameter at any distance.

An interactive photometric calculator is available on the ARRI website at www.arri.de/prod/lighting/calculator. This calculator shows complete photometric data for both 120V and 230V lamps and displays data in accordance with the ANSI E1.9.2001standard.

BEAM ANGLE

The Beam Diameter is the distance from the beam center to a point where the light falls to 50% of the center intensity. This measurement, shown in feet and meters at specific distances, is verified in both the vertical and horizontal axis and both sets of data are published where applicable.

The Beam Angle is the angle of light, at any focus, resulting in the Beam Diameter. The Beam Angle is also known as the Half Peak Angle, or HPA.

FIELD ANGLE

The Field Diameter is the distance from the beam center to a point where the light falls to 10% of the center intensity.

The Field Angle is the angle of light, at any focus, resulting in the Field Diameter. ARRI Lighting does not publish data for Field Diameter or Field Angle which are used more often in theatrical and architectural calculations. However we do use the Field Angle when fully describing the ARRIMAX 18/12 to better explain its unique photometric qualities.

FOOTCANDLES AND LUX

Footcandle is a unit of measurement of illuminance on a surface at a specific distance measured in feet.

Lux is a unit of measurement of illuminance on a surface at a specific distance measured in meters.

- To convert: FC x 10.76 = Lux; or Lux ÷ 10.76 = FC

INVERSE SQUARE LAW

Use this information to find footcandles or lux at any distance from the light.

Light falls off by the square of the distance (between fixture and subject).

- Candela (intensity) = Footcandles (or Lux) x Distance^2
- Footcandles = Candela ÷ Distance^2 (when distance is measured in feet)
- Lux = Candela ÷ Distance^2 (when distance is measured in meters)

COLOR TEMPERATURE

Color Temperature, as used in motion pictures and television production, is the value expressed in degrees on the Kelvin scale and refers to specific portions of the color spectrum. Higher temperatures indicate color temperatures at the "blue" end of the spectrum. Lower temperatures are on the "red" end.

NOTE ON CATALOG NUMBERS

This catalog references catalog numbers used by Arri Inc. for sales in North, South and Central America. For customers in Europe or Asia, please contact your local ARRI representative to obtain the correct product numbers.

METRIC CONVERSIONS

An easy to use website for metric conversions is provided by World Wide Metric at http://www.worldwidemetric.com/metcal.htm

VOLTAGE AND FREQUENCY AROUND THE WORLD

Our favorite site for checking power standards around the world is: http://kropla.com/electric2.htm

ARRI LIGHTING SPARE PARTS

For ARRI Lighting Spare Parts visit www.arri.de/prod/lighting

ARRI INTERACTIVE PHOTOMETRIC CALCULATOR

For the ARRI Interactive Photometric Calculator visit www.arri.de/prod/lighting/calculator

ARRI LIGHTING HANDBOOK

Our Lighting Handbook is a great introduction to lighting theory and practice, with diagrams and suggestions for a wide variety of basic setups. For help in creating the best possible images for your studio or location production download your copy at: www.arri.de/infodown/light/broch/arri_lighting_handbook_english.pdf

ARRI LIGHTING FIXTURE GUIDE

Our Fixture Guide (enclosed) is a quick reference of ARRI Tungsten and Daylight fixtures. The Tungsten wheel describes lamp type, amperage draw, lens and scrim size and 'speed ring' catalog number. The Daylight wheel provides information on amperage draw for both Electronic Ballasts with Active Line Filter (Power Factor Corrected) and Electronic Ballasts without Active Line Filter (Standard). Lens size, Scrim size, and Speed Ring information is also noted for Daylight Fixtures.

ESTA

ARRI is a member of ESTA (Entertainment Services and Technology Association), the North American trade association for the entertainment technology industry. ESTA supports the industry with its ANSI-accredited Technical Standards Program, the Entertainment Technician Certification Program, and business resources and information. For more information, visit www.esta.org, email info@esta.org or call 212-244-1505.

HMI FRESNELS

HMI FRESNELS

ARRI HMI FRESNELS offer excellent advantages for film, TV, and theatrical lighting. ARRI has optimized the HMI daylight spectrum using superior reflectors, lenses, and a calibrated optical system. With unique convection cooled designs, these lampheads provide the best source of high luminous efficiency in a wide array of sizes and wattages.

ARRI HMI FRESNELS from 125W to 18000W use spherical specular reflectors of high purity aluminum combined with the highest quality Fresnel lenses to produce an extremely smooth field and superior 'spot' to 'flood' control. ARRI's compact, rugged housings are built for the toughest locations.

ARRI HMI THEATRE FRESNELS combine ARRI daylight performance in a housing designed for theatrical applications. Theatrical HMI lampheads use special dichroic glass reflectors and include baffles and spill frames to prevent 'light leak.'

LAMPHOLDER MAINTENANCE

Early lamp failures can be reduced if you regularly inspect the lampholder. Any discoloration or corrosion of the lampholder or lamp pins is a sign of overheating. In some cases this may be caused by a poor connection to the lampholder. Correct the cause of overheating and/or replace the lampholder to ensure maximum lamp life.

LENS & REFLECTOR CARE

You can maintain the performance of your ARRI fixture by simply making sure that the lens and reflector are clean. For lenses, use a soft lint free cloth and glass cleaner or Isopropyl alcohol. For reflectors, use a soft lint free cloth only; never use any kind of cleaning agent. If you have heavier stains, you can use warm soapy water. Regularly check the lens for chips or cracks and the lens mounting assembly to make sure that the lens pads are intact and the lens mounting brackets are secure and in good condition.

DIMMING HMI LAMPS

ARRI ballasts will dim HMI lamps approximately 50% with a slight increase in color temperature. (Opposite to what you would expect on a tungsten fixture.) Some gaffers use this function to balance color temperature between different lamps or to compensate for the drop in color temperature as the lamp ages. Mechanical dimmer shutters are available from several manufacturers for situations that require dimming beyond 50%.

SCRIMS

Scrims are wire screens that reduce light without changing the color temperature or focus. A single scrim reduces the light 25% or one half stop. A double scrim reduces 50% or one full stop. Half single or half double scrims cut the light in only half of the beam and are generally used with Fresnel fixtures to reduce the light in a portion of the beam.

OHM'S LAW

V = I x R

I = Intensity of current = Amperes
R =Resistance =Ohms
E = Electromotive Force = Volts
P = Power = Watts

The three basic Ohm's law formulas are: **I= E/R** **R=E/I** **E=I x R**

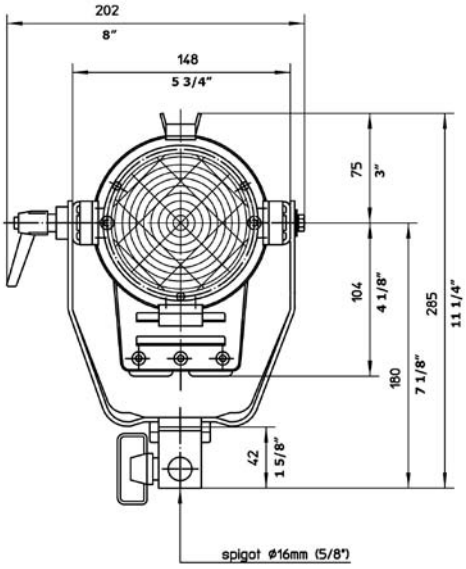
Example: ***A****mperes =* ***W****atts/****V****olts* *I=P/E* *I = 1200/120 =10Amps*

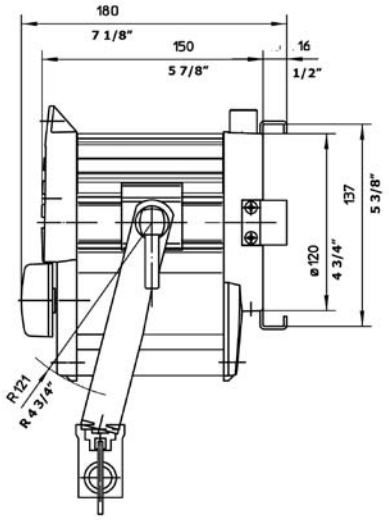
Common Alternate Designation: ***W = V x A***

HMI LOAD CALCULATIONS

To obtain proper load calculations for HMI lights, we cannot use the simple formula **W=V x A**. Consult your ARRI Lighting Fixture Guide or reference the formulas in the article *Examining a Powerful Light Source* in the Electronic Ballast section of this catalog.

ARRI Compact HMI 125W





Cat. No.	Description
501205	125W Compact Fresnel
501201	25 ft. Head/Ballast Cable
531310	Four Leaf Barndoor
531320	Filter Frame
531330	Snoot
501245	125W Single Ended HMI Lamp
531350	5" Full Single Scrim
531351	5" Half Single Scrim
531352	5" Full Double Scrim
531353	5" Half Double Scrim
571711	Scrim Bag
853276	Safety Cable
502806	125/200W Electronic Ballast
502808	125/200W DC Electronic Ballast

Photometric Data

Distance	5 ft. (1.5 m)	10 ft. (3.0 m)	15 ft. (4.6 m)	20 ft. (6.1 m)
Spot Focus Beam Angle 10°				
Footcandles	1188	297	132	74
Beam Diameter	0.9 ft. (0.3 m)	1.7 ft. (0.5 m)	2.6 ft. (0.8 m)	3.5 ft. (1.1 m)
Medium Focus Beam Angle 30°				
Footcandles	396	99	44	25
Beam Diameter	2.7 ft. (0.8 m)	5.4 ft. (1.6 m)	8.0 ft. (2.4 m)	10.7 ft. (3.3 m)
Flood Focus Beam Angle 45°				
Footcandles	248	62	28	16
Beam Diameter	4.1 ft. (1.2 m)	8.3 ft. (2.5 m)	12.4 ft. (3.8 m)	16.6 ft. (5.1 m)

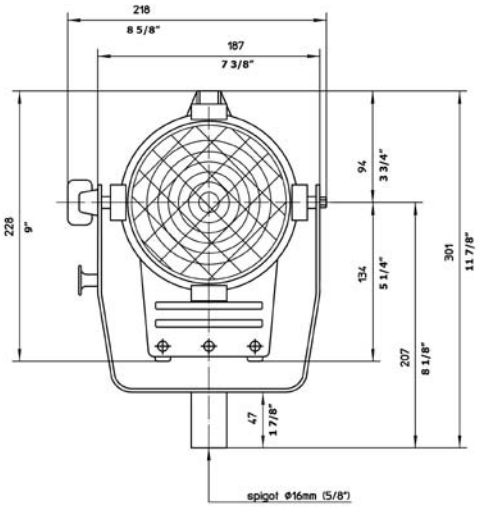
Spot Performance at any distance:	
Footcandles (or lux) = 29,700 ÷ Distance^2	Beam Diameter = Distance x 0.17
Medium Performance at any distance:	
Footcandles (or lux) = 9,900 ÷ Distance^2	Beam Diameter = Distance x 0.54
Flood Focus Performance at any distance:	
Footcandles (or lux) = 6,200 ÷ Distance^2	Beam Diameter = Distance x 0.83

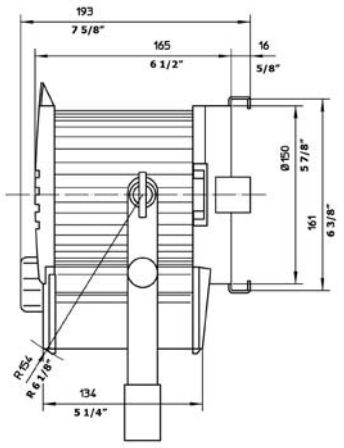
Specifications

Weight	4.5 lbs. (2 kg)
Lens	3.1" (80 mm) low expansion borosilicate Fresnel lens
Reflector	Spherical specular high purity aluminum
Lampholder	GZX 9.5
Mounting	5/8" (16 mm) stand mount

For Ballast Specifications see Ballast Section

ARRI Compact HMI 200W





Cat. No.	Description
502200	200W Compact Fresnel
502201	25 ft. Head/Ballast Cable
502202	50 ft. Head/Ballast Cable
531610	Four Leaf Barndoor
531615	Eight Leaf Barndoor
531620	Filter Frame
531630	Snoot
502245	200W Single Ended HMI Lamp
531650	6 5/8" Full Single Scrim
531651	6 5/8" Half Single Scrim
531652	6 5/8" Full Double Scrim
531653	6 5/8" Half Double Scrim
571712	Scrim Bag
853276	Safety Cable
502806	125/200W Electronic Ballast
502808	125/200W DC Electronic Ballast
502900	Case for Lamphead and AC Ballast

Photometric Data

Distance	5 ft. (1.5 m)	10 ft. (3.0 m)	15 ft. (4.6 m)	20 ft. (6.1 m)	25 ft. (7.6 m)
Spot Focus Beam Angle 7°					
Footcandles	3924	981	436	245	157
Beam Diameter	0.6 ft. (0.2 m)	1.2 ft. (0.4 m)	1.8 ft. (0.5 m)	2.4 ft. (0.7 m)	3.1 ft. (0.9 m)
Medium Focus Beam Angle 30°					
Footcandles	799	200	89	50	32
Beam Diameter	2.7 ft. (0.8 m)	5.4 ft. (1.6 m)	8.0 ft. (2.4 m)	10.7 ft. (3.3 m)	13.4 ft. (4.1 m)
Flood Focus Beam Angle 50°					
Footcandles	464	116	52	29	19
Beam Diameter	4.7 ft. (1.4 m)	9.3 ft. (2.8 m)	14.0 ft. (4.3 m)	18.7 ft. (5.7 m)	23.3 ft. (7.1 m)

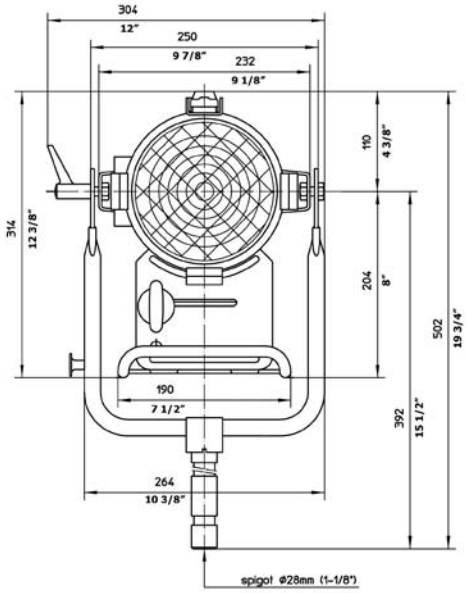
Spot Performance at any distance:	
Footcandles (or lux) = 98,100 ÷ Distance^2	Beam Diameter = Distance x 0.12
Medium Performance at any distance:	
Footcandles (or lux) = 20,000 ÷ Distance^2	Beam Diameter = Distance x 0.54
Flood Focus Performance at any distance:	
Footcandles (or lux) = 11,600 ÷ Distance^2	Beam Diameter = Distance x 0.93

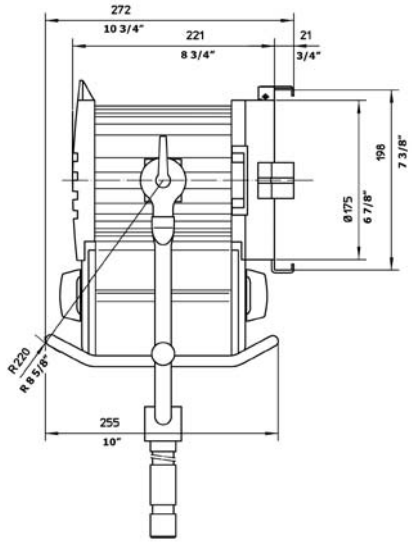
Specifications

Weight	5.5 lbs. (2.5 kg)
Lens	4.4" (112 mm) low expansion borosilicate Fresnel lens
Reflector	Spherical specular high purity aluminum
Lampholder	GZY 9.5 High Voltage
Mounting	5/8" (16 mm) stand mount

For Ballast Specifications see Ballast Section

ARRI Compact HMI 575W





Cat. No.	Description
505205	575W Compact Fresnel
505203	25 ft. Head/Ballast Cable
505204	50 ft. Head/Ballast Cable
505201	100 ft. Head/Ballast Cable
531110	Four Leaf Barndoor
531115	Eight Leaf Barndoor
531120	Filter Frame
531130	Snoot
505245	575W Single Ended HMI Lamp
531150	7 3/4" Full Single Scrim
531151	7 3/4" Half Single Scrim
531152	7 3/4" Full Double Scrim
531153	7 3/4" Half Double Scrim
571712	Scrim Bag
853276	Safety Cable
504806	400/575W Electronic Ballast w/ALF
504807	400/575W Electronic Ballast w/DMX & ALF
505810	575/1200W Electronic Ballast w/DMX & ALF
505815	575/1200W Electronic Ballast w/DMX
505905	Lamphead Case
504920	Electronic Ballast Case (400/575W)
505921	Electronic Ballast Case (575/1200W)

Photometric Data

Distance	10 ft. (3.0 m)	15 ft. (4.6 m)	20 ft. (6.1 m)	25 ft. (7.6 m)	30 ft. (9.1 m)
Spot Focus Beam Angle 7°					
Footcandles	2725	1211	681	436	303
Beam Diameter	1.2 ft. (0.4 m)	1.8 ft. (0.5 m)	2.4 ft. (0.7 m)	3.1 ft. (0.9 m)	3.7 ft. (1.1 m)
Medium Focus Beam Angle 30°					
Footcandles	500	222	125	80	56
Beam Diameter	5.4 ft. (1.6 m)	8.0 ft. (2.4 m)	10.7 ft. (3.3 m)	13.4 ft. (4.1 m)	16.1 ft. (4.9 m)
Flood Focus Beam Angle 50°					
Footcandles	278	123	69	44	31
Beam Diameter	9.3 ft. (2.8 m)	14.0 ft. (4.3 m)	18.7 ft. (5.7 m)	23.3 ft. (7.1 m)	28.0 ft. (8.5 m)

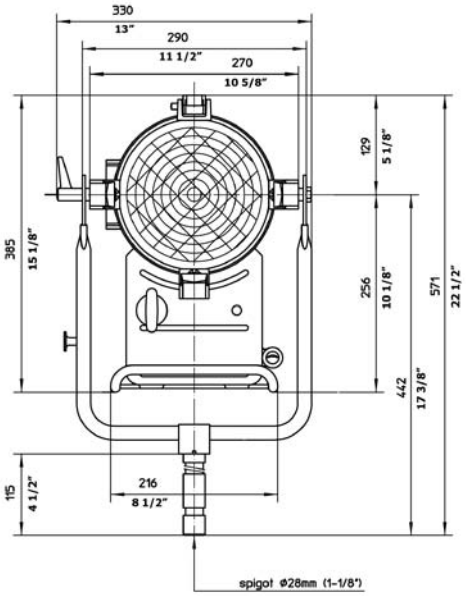
Spot Performance at any distance:	
Footcandles (or lux) = 272,500 ÷ Distance^2	Beam Diameter = Distance x 0.12
Medium Performance at any distance:	
Footcandles (or lux) = 50,000 ÷ Distance^2	Beam Diameter = Distance x 0.54
Flood Focus Performance at any distance:	
Footcandles (or lux) = 27,800 ÷ Distance^2	Beam Diameter = Distance x 0.94

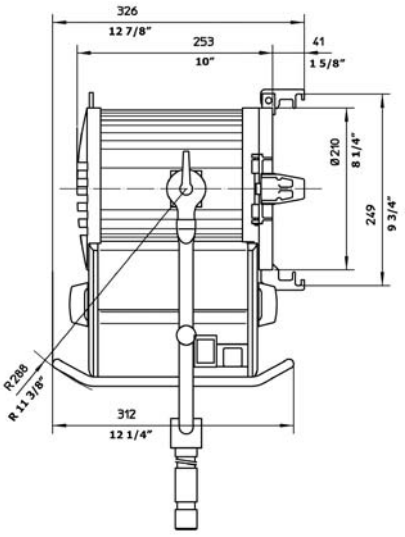
Specifications

Weight	17.5 lbs. (7.9 kg)
Lens	5.1" (130 mm) low expansion borosilicate Fresnel lens
Reflector	Spherical specular high purity aluminum
Lampholder	G22 High Voltage
Mounting	5/8" (16 mm) or 1 1/8" (29 mm) stand mount (Please specify)

For Ballast Specifications see Ballast Section

ARRI Compact HMI 1200W





Cat. No.	Description
512205	1200W Compact Fresnel
512206	1200W Fresnel Theatre Model
505203	25 ft. Head/Ballast Cable
505204	50 ft. Head/Ballast Cable
505201	100 ft. Head/Ballast Cable
531210	Four Leaf Barndoor
531215	Eight Leaf Barndoor
531220	Filter Frame
531230	Snoot
512245	1200W Single Ended HMI Lamp
531250	9" Full Single Scrim
531251	9" Half Single Scrim
531252	9" Full Double Scrim
531253	9" Half Double Scrim
571714	Scrim Bag
853276	Safety Cable
505810	575/1200W Electronic Ballast w/DMX & ALF
505815	575/1200W Electronic Ballast w/DMX
512905	Lamphead Case
505921	Electronic Ballast Case

Photometric Data

Distance	10 ft. (3.0 m)	20 ft. (6.1 m)	25 ft. (7.6 m)	30 ft. (9.1 m)	35 ft. (10.7 m)
Spot Focus Beam Angle 5°					
Footcandles	9126	2281	1460	1014	745
Beam Diameter	0.9 ft. (0.3 m)	1.7 ft. (0.5 m)	2.2 ft. (0.7 m)	2.6 ft. (0.8 m)	3.1 ft. (0.9 m)
Medium Focus Beam Angle 30°					
Footcandles	1380	345	221	153	113
Beam Diameter	5.4 ft. (1.6 m)	10.7 ft. (3.3 m)	13.4 ft. (4.1 m)	16.1 ft. (4.9 m)	18.8 ft. (5.7 m)
Flood Focus Beam Angle 51°					
Footcandles	695	174	111	77	57
Beam Diameter	9.5 ft. (2.9 m)	19.1 ft. (5.8 m)	23.8 ft. (7.3 m)	28.6 ft. (8.7 m)	33.4 ft. (10.2 m)

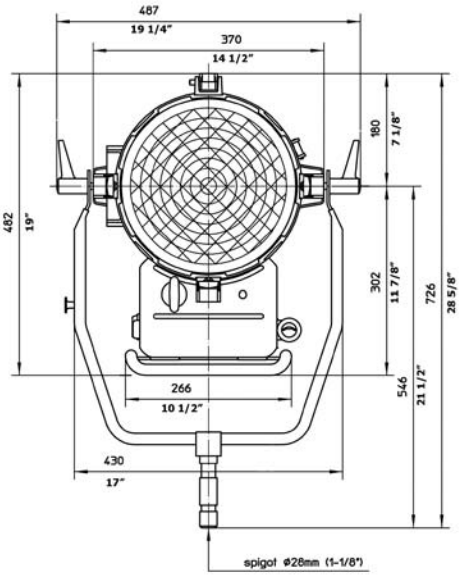
Spot Performance at any distance:	
Footcandles (or lux) = 912,600 ÷ Distance^2	Beam Diameter = Distance x 0.09
Medium Performance at any distance:	
Footcandles (or lux) = 138,000 ÷ Distance^2	Beam Diameter = Distance x 0.54
Flood Focus Performance at any distance:	
Footcandles (or lux) = 69,500 ÷ Distance^2	Beam Diameter = Distance x 0.95

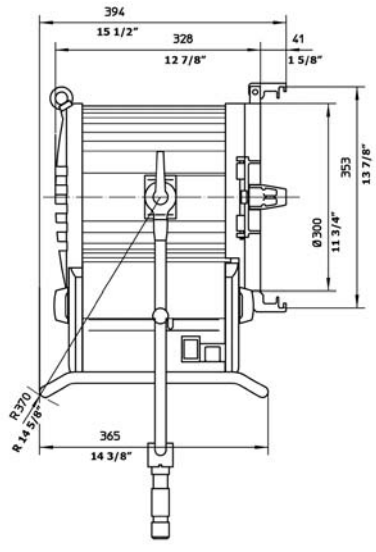
Specifications

Weight	22 lbs. (10 kg)
Lens	6.9" (175 mm) low expansion borosilicate Fresnel lens
Reflector	Spherical specular high purity aluminum
Lampholder	G38 High Voltage
Mounting	5/8" (16 mm) or 1 1/8" (29 mm) stand mount (Please specify)

For Ballast Specifications see Ballast Section

ARRI Compact HMI 2500W





Cat. No.	Description
525205	2500W Compact Fresnel
525206	2500W Fresnel Theatre Model
525203	25 ft. Head/Ballast Cable
525204	50 ft. Head/Ballast Cable
525201	100 ft. Head/Ballast Cable
532210	Four Leaf Barndoor
532215	Eight Leaf Barndoor
532220	Filter Frame
532230	Snoot
525245	2500W Single Ended HMI Lamp
512250	13" Full Single Scrim
512251	13" Half Single Scrim
512252	13" Full Double Scrim
512253	13" Half Double Scrim
571716	Scrim Bag
853276	Safety Cable
540817	2500/4000W Electronic Ballast w/DMX & ALF
525905	Lamphead Case
525921	Electronic Ballast Case

Photometric Data

Distance	20 ft. (6.1 m)	25 ft. (7.6 m)	30 ft. (9.1 m)	40 ft. (12.2 m)	50 ft. (15.2 m)
Spot Focus Beam Angle 7°					
Footcandles	4213	2696	1872	1053	674
Beam Diameter	2.4 ft. (0.7 m)	3.1 ft. (0.9 m)	3.7 ft. (1.1 m)	4.9 ft. (1.5 m)	6.1 ft. (1.9 m)
Medium Focus Beam Angle 30°					
Footcandles	700	448	311	175	112
Beam Diameter	10.7 ft. (3.3 m)	13.4 ft. (4.1 m)	16.1 ft. (4.9 m)	21.4 ft. (6.5 m)	26.8 ft. (8.2 m)
Flood Focus Beam Angle 59°					
Footcandles	321	205	143	80	51
Beam Diameter	22.6 ft. (6.9 m)	28.3 ft. (8.6 m)	33.9 ft. (10.3 m)	45.3 ft. (13.8 m)	56.6 ft. (17.3 m)

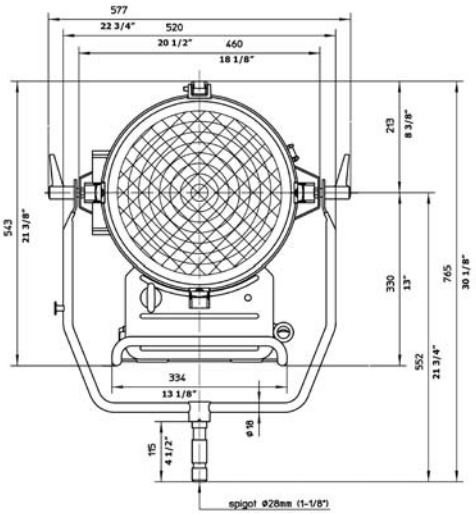
Spot Performance at any distance:	
Footcandles (or lux) = 1,685,200 ÷ Distance^2	Beam Diameter = Distance x 0.12
Medium Performance at any distance:	
Footcandles (or lux) = 280,000 ÷ Distance^2	Beam Diameter = Distance x 0.54
Flood Focus Performance at any distance:	
Footcandles (or lux) = 128,400 ÷ Distance^2	Beam Diameter = Distance x 1.13

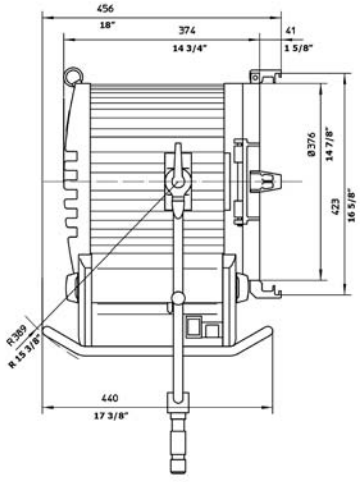
Specifications

Weight	38 lbs. (17.2 kg)
Lens	9.9" (250 mm) low expansion borosilicate Fresnel lens
Reflector	Spherical specular high purity aluminum
Lampholder	G38 High Voltage
Mounting	1 1/8" (29 mm) stand mount

For Ballast Specifications see Ballast Section

ARRI Compact HMI 4000W





Cat. No.	Description
540205	4000W Compact Fresnel
540206	4000W Fresnel Theatre Model
525203	25 ft. Head/Ballast Cable
525204	50 ft. Head/Ballast Cable
525201	100 ft. Head/Ballast Cable
532510	Four Leaf Barndoor
532515	Eight Leaf Barndoor
532520	Filter Frame
532530	Snoot
540245	4000W Single Ended HMI Lamp
532550	15 1/2" Full Single Scrim
532551	15 1/2" Half Single Scrim
532552	15 1/2" Full Double Scrim
532553	15 1/2" Half Double Scrim
571716	Scrim Bag
853276	Safety Cable
540817	2500/4000W Electronic Ballast w/DMX & ALF
540905	Lamphead Case
525921	Electronic Ballast Case

Photometric Data

Distance	20 ft. (6.1 m)	25 ft. (7.6 m)	30 ft. (9.1 m)	40 ft. (12.2 m)	50 ft. (15.2 m)
Spot Focus Beam Angle 7°					
Footcandles	4650	2976	2067	1163	744
Beam Diameter	2.4 ft. (0.7 m)	3.1 ft. (0.9 m)	3.7 ft. (1.1 m)	4.9 ft. (1.5 m)	6.1 ft. (1.9 m)
Medium Focus Beam Angle 30°					
Footcandles	1106	708	492	277	177
Beam Diameter	10.7 ft. (3.3 m)	13.4 ft. (4.1 m)	16.1 ft. (4.9 m)	21.4 ft. (6.5 m)	26.8 ft. (8.2 m)
Flood Focus Beam Angle 65°					
Footcandles	431	276	191	108	69
Beam Diameter	25.5 ft. (7.8 m)	31.9 ft. (9.7 m)	38.2 ft. (11.6 m)	51.0 ft. (15.5 m)	63.7 ft. (19.4 m)

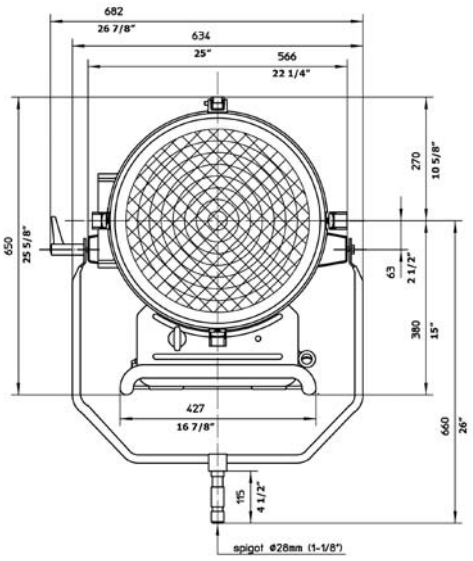
Spot Performance at any distance:	
Footcandles (or lux) = 1,860,000 ÷ Distance^2	Beam Diameter = Distance x 0.12
Medium Performance at any distance:	
Footcandles (or lux) = 442,400 ÷ Distance^2	Beam Diameter = Distance x 0.54
Flood Focus Performance at any distance:	
Footcandles (or lux) = 172,400 ÷ Distance^2	Beam Diameter = Distance x 1.27

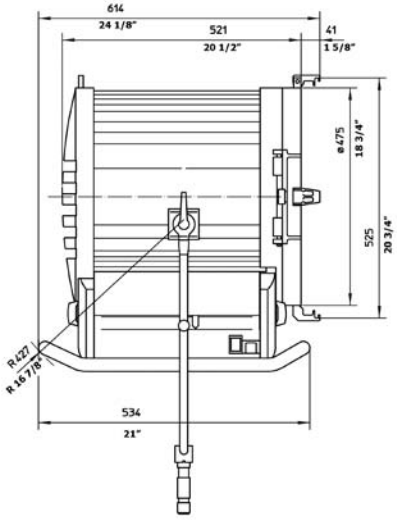
Specifications

Weight	49 lbs. (22.2 kg)
Lens	11.8" (300 mm) low expansion borosilicate Fresnel lens
Reflector	Spherical specular high purity aluminum
Lampholder	G38 High Voltage
Mounting	1 1/8" (29 mm) stand mount

For Ballast Specifications see Ballast Section

ARRI Compact HMI 6000W





Cat. No.	Description
560205	6000W Compact Fresnel
560206	6000W Fresnel Theatre Model
560201	25 ft. Head/Ballast Cable
560202	50 ft. Head/Ballast Cable
560203	100 ft. Head/Ballast Cable
533110	Four Leaf Barndoor
533120	Filter Frame
533160	Outrigger Color Frame
560245	6000W Single Ended HMI Lamp
533150	19 1/2" Full Single Scrim
533151	19 1/2" Half Single Scrim
533152	19 1/2" Full Double Scrim
533153	19 1/2" Half Double Scrim
571718	Scrim Bag
853276	Safety Cable
560817	6000W Electronic Ballast w/ALF
560815	6000/12000W Electronic Ballast w/DMX & ALF
560890	Ballast Cart
560905	Lamphead Case with Casters
560922	Electronic Ballast Case (6000/12000W)
525921	Electronic Ballast Case (6000W)

Photometric Data

Distance	25 ft. (7.6 m)	30 ft. (9.1 m)	40 ft. (12.2 m)	50 ft. (15.2 m)	60 ft. (18.3 m)
Spot Focus Beam Angle 6°					
Footcandles	6050	4200	2363	1512	1050
Beam Diameter	2.6 ft. (0.8 m)	3.1 ft. (0.9 m)	4.2 ft. (1.3 m)	5.2 ft. (1.6 m)	6.3 ft. (1.9 m)
Medium Focus Beam Angle 30°					
Footcandles	1037	720	405	259	180
Beam Diameter	13.4 ft. (4.1 m)	16.1 ft. (4.9 m)	21.4 ft. (6.5 m)	26.8 ft. (8.2 m)	32.2 ft. (9.8 m)
Flood Focus Beam Angle 63°					
Footcandles	456	317	178	114	79
Beam Diameter	30.6 ft. (9.3 m)	36.8 ft. (11.2 m)	49.0 ft. (14.9 m)	61.3 ft. (18.7 m)	73.5 ft. (22.4 m)

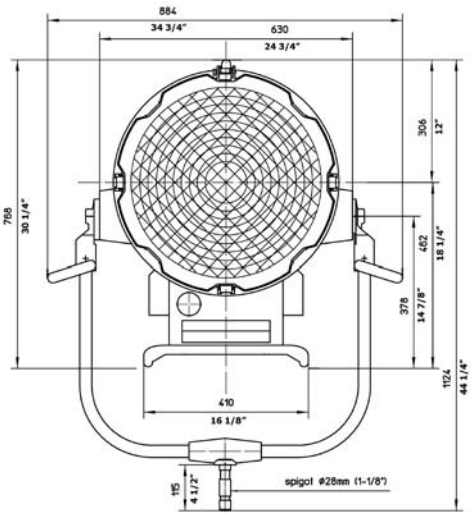
Spot Performance at any distance:	
Footcandles (or lux) = 3,780,625 ÷ Distance^2	Beam Diameter = Distance x 0.11
Medium Performance at any distance:	
Footcandles (or lux) = 648,125 ÷ Distance^2	Beam Diameter = Distance x 0.54
Flood Focus Performance at any distance:	
Footcandles (or lux) = 285,000 ÷ Distance^2	Beam Diameter = Distance x 1.23

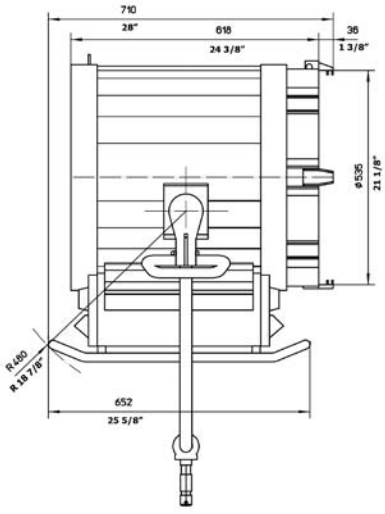
Specifications

Weight	77 lbs. (34.9 kg)
Lens	16.7" (425 mm) low expansion borosilicate Fresnel lens
Reflector	Spherical specular high purity aluminum
Lampholder	G38 High Voltage
Mounting	1 1/8" (29 mm) stand mount

For Ballast Specifications see Ballast Section

ARRI Compact HMI 12000W





Cat. No.	Description
562205	12000W Compact Fresnel
562202	50 ft. Head/Ballast Cable
562201	100 ft. Head/Ballast Cable
540210	Four Leaf Barndoor
540220	Filter Frame
562245	12000W Single Ended HMI Lamp
540250	21" Full Single Scrim
540251	21" Half Single Scrim
540252	21" Full Double Scrim
540253	21" Half Double Scrim
571718	Scrim Bag
853276	Safety Cable
560815	6000/12000W Electronic Ballast w/DMX & ALF
562814	12000/18000W Electronic Ballast w/DMX & ALF*
560890	Ballast Cart**
562905	Lamphead Case with Casters
560922	Electronic Ballast Case (6000/12000W)

Photometric Data

Distance	25 ft. (7.6 m)	50 ft. (15.2 m)	75 ft. (22.9 m)	100 ft. (30.5 m)
Spot Focus Beam Angle 6°				
Footcandles	14167	3542	1574	885
Beam Diameter	2.6 ft. (0.8 m)	5.2 ft. (1.6 m)	7.9 ft. (2.4 m)	10.5 ft. (3.2 m)
Medium Focus Beam Angle 30°				
Footcandles	2560	640	284	160
Beam Diameter	13.4 ft. (4.1 m)	26.8 ft. (8.2 m)	40.2 ft. (12.3 m)	53.6 ft. (16.3 m)
Flood Focus Beam Angle 51°				
Footcandles	854	213	95	53
Beam Diameter	23.8 ft. (7.3 m)	47.7 ft. (14.5 m)	71.5 ft. (21.8 m)	95.4 ft. (29.1 m)

Spot Performance at any distance:	
Footcandles (or lux) = 8,854,200 ÷ Distance^2	Beam Diameter = Distance x 0.11
Medium Performance at any distance:	
Footcandles (or lux) = 1,060,700 ÷ Distance^2	Beam Diameter = Distance x 0.54
Flood Focus Performance at any distance:	
Footcandles (or lux) = 533,700 ÷ Distance^2	Beam Diameter = Distance x 0.50

Specifications

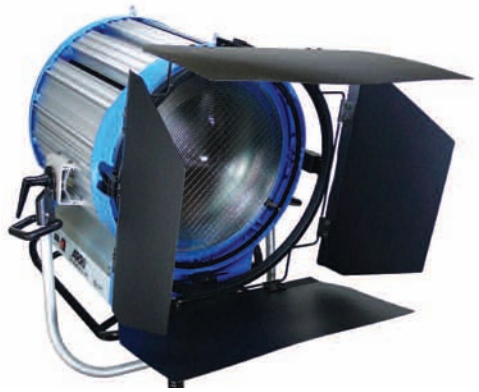
Weight	130 lbs. (59 kg)
Lens	19.7" (500 mm) low expansion borosilicate Fresnel lens
Reflector	Spherical specular high purity aluminum
Lampholder	GX38
Mounting	1 1/8" (29 mm) stand mount

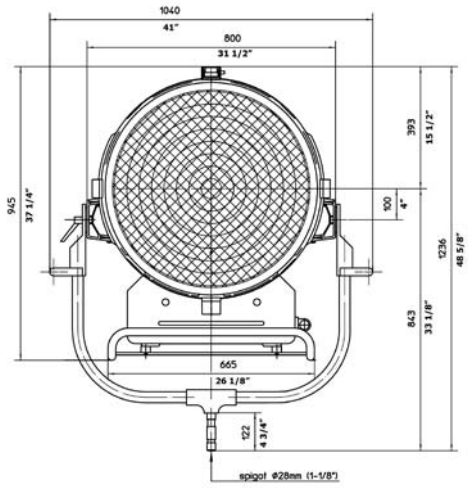
For Ballast Specifications see Ballast Section

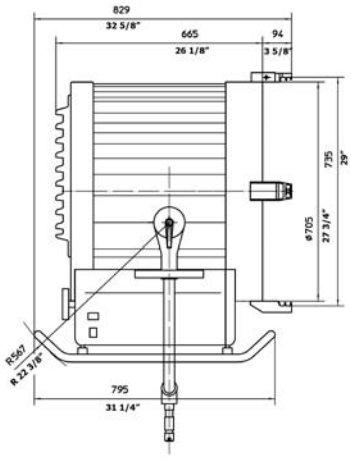
*12000/18000W EB includes detachable ballast cart

** Cart may be ordered separately for 6000/12000W EB

ARRI Daylight 12/18kW







Cat. No.	Description
563205	12000/18000W Fresnel
562202	50 ft. Head/Ballast Cable
562201	100 ft. Head/Ballast Cable
563210	Four Leaf Barndoor
563220	Filter Frame
562240	12000W HMI Lamp
563240	18000W HMI Lamp
533250	29" Full Single Scrim
533251	29" Half Single Scrim
533252	29" Full Double Scrim
533253	29" Half Double Scrim
571720	Scrim Bag
853276	Safety Cable
562814	12000/18000W Electronic Ballast w/DMX & ALF*
563900	Lamphead Case

Photometric Data 18000W

Distance	35 ft. (10.7 m)	50 ft. (15.2 m)	100 ft. (30.5 m)	150 ft. (45.7 m)
Spot Focus Beam Angle 11°				
Footcandles	5082	2490	623	277
Beam Diameter	6.7 ft. (2.0 m)	9.6 ft. (2.9 m)	19.3 ft. (5.9 m)	28.9 ft. (8.8 m)
Medium Focus Beam Angle 30°				
Footcandles	1298	636	159	71
Beam Diameter	18.8 ft. (5.7 m)	26.8 ft. (8.2 m)	53.6 ft. (16.3 m)	80.4 ft. (24.5 m)
Flood Focus Beam Angle 75°				
Footcandles	586	287	72	32
Beam Diameter	53.7 ft. (16.4 m)	76.7 ft. (23.4 m)	153.5 ft. (46.8 m)	230.2 ft. (70.2 m)

Spot Performance at any distance:	
Footcandles (or lux) = 6,225,000 ÷ Distance^2	Beam Diameter = Distance x 0.19
Medium Performance at any distance:	
Footcandles (or lux) = 1,590,000 ÷ Distance^2	Beam Diameter = Distance x 0.54
Flood Focus Performance at any distance:	
Footcandles (or lux) = 717,500 ÷ Distance^2	Beam Diameter = Distance x 1.54

Specifications

Weight	143 lbs. (65 kg)
Lens	24.6" (625 mm) low expansion borosilicate Fresnel lens
Reflector	Spherical specular high purity aluminum
Lampholder	S30 ARRI spring loaded lampholder
Mounting	1 1/8" (29 mm) stand mount

For Ballast Specifications see Ballast Section

*For data with the 12000W lamp see photometric calculator on www.arri.de/prod/lighting/calculator

*12000/18000W EB includes detachable ballast cart

ARRI HMI Theatre Fresnels

Theatre Fresnels combine ARRI daylight performance in a housing designed for theatrical applications. Lampheads use special dichroic glass reflectors and include baffles and spill frames to prevent light leak. Accessories and ballasts are compatible with those listed under Compact HMI.

Cat. No.	Description
512206	1200W Theatre HMI w/ 7" (178 mm) Fresnel Lens
525206	2500W Theatre HMI w/ 9.9" (250 mm) Fresnel Lens
540206	4000W Theatre HMI w/ 11.8" (300 mm) Fresnel Lens
560206	6000W Theatre HMI w/ 16.7" (425 mm) Fresnel Lens

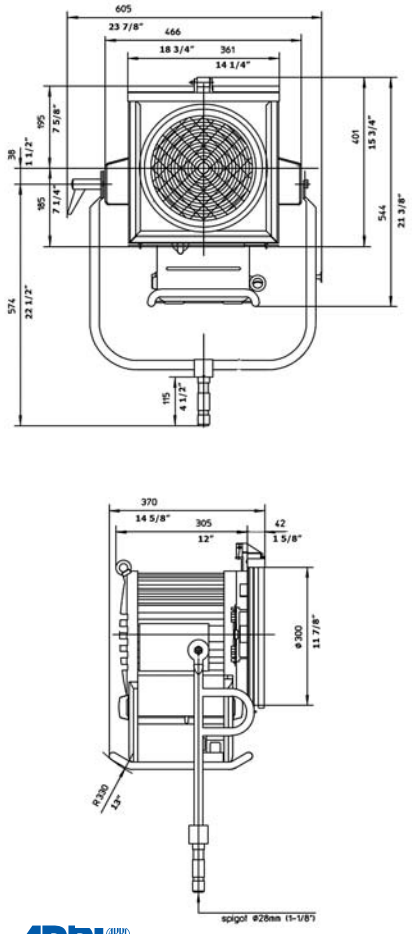
DIMMING HMI LAMPS

ARRI ballasts will dim HMI lamps approximately 50% with a slight increase in color temperature. (Opposite to what you would expect on a tungsten fixture.) Some gaffers use this function to balance color temperature between different lamps or to compensate for the drop in color temperature as the lamp ages. Mechanical dimmer shutters are available from several manufacturers for situations that require dimming beyond 50%.

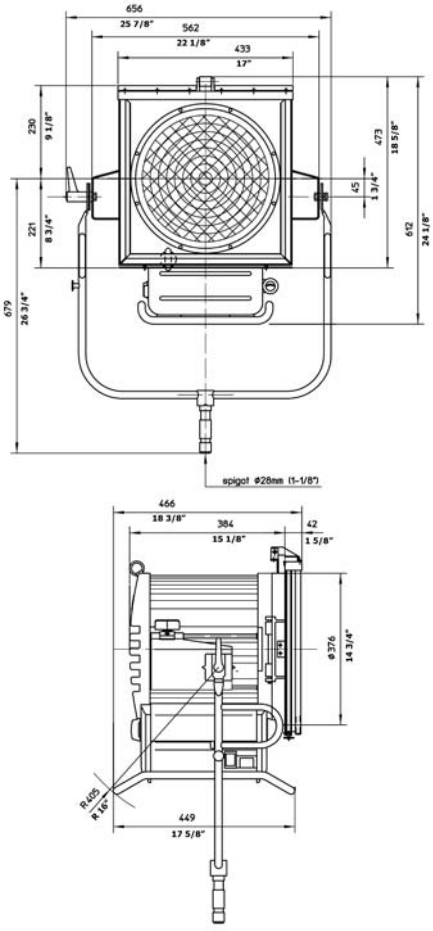
DMX CONTROL FOR ARRI BALLASTS

ARRI ballasts are equipped with DMX control for on/off and dimming functions. This feature utilizes two DMX channels. The ballast indicator displays the channel controlling dimming and the next numerical channel controls the on/off function.

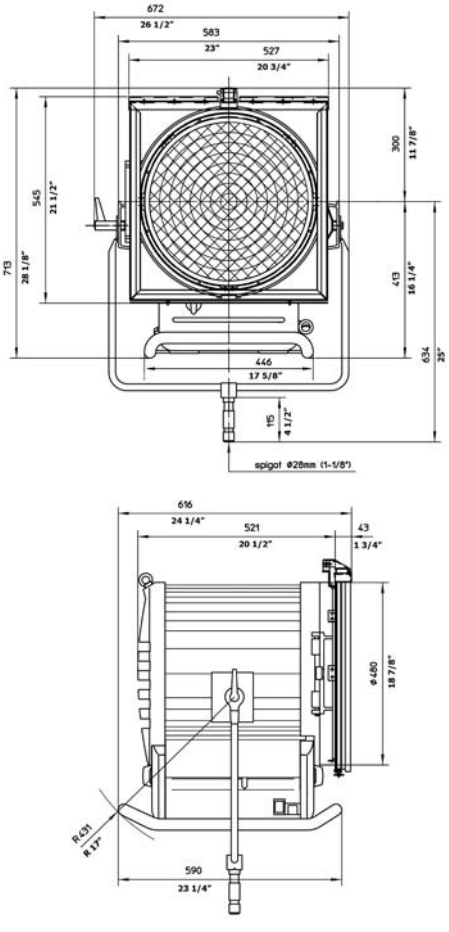
ARRI 2500W THEATRE HMI



ARRI 4000W THEATRE HMI



ARRI 6000W THEATRE HMI



HMI PARS

HMI PARS

The ARRISUN line of HMI PARs ranges from 200W to 12000W and provides outstanding HMI performance. The only complete range of HMI PARs with focus control, ARRISUNs combine an HMI lamp axially mounted in a high purity aluminum parabolic reflector and five optically enhanced spread lenses for superior light output.

Where portability and high performance are required, ARRI POCKET PARs, 125W, 200W and 400W, offer optimum light and precise beam control. The lens-less ARRI POCKET LITE 200W and 400W use a high quality Micro-Stippled Dichroic reflector to provide a smooth and powerful focusable beam.

The ARRI EVENT SYSTEM is an ideal solution for lighting trade shows, exhibitions and presentations. The stylish fixture design, available in silver or black uses facetted cold mirror parabolic reflectors to maximize light output while minimizing the heat load on the subject. The complete ARRI Event System consists of Event lampheads, a special cabling system and rack ballast technology.

ARRISUN LENS COLOR CODE

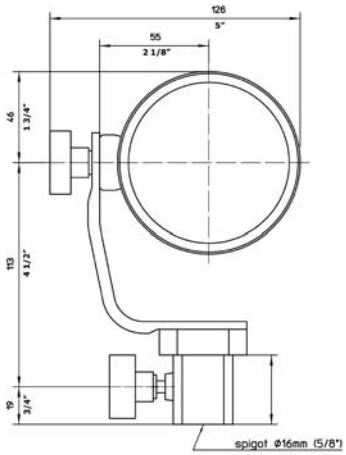
All ARRISUN lenses use the same color code; however European and American catalogs use different descriptions.

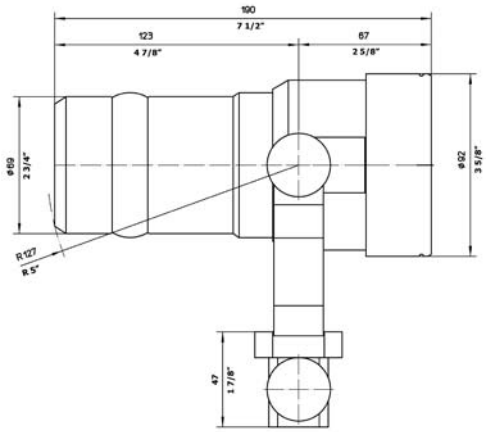
Code	US Description	European Description	Lens Appearance
Blue	Spot	Spot	Lightly Frosted
Black	Medium	Narrow Flood	Small Rectangles
Green	Wide	Flood	Large Rectangles
Orange	Super Wide	Super Flood	Fish Eye/Stipple
Silver	Frosted	Frosted	Frosted

POCKET PAR & ARRISUN FOCUS

ARRISUN and POCKET PAR fixtures offer a unique focus mechanism in addition to a selection of spread lenses. The Photometric Data for each fixture gives you an idea of how to increase or decrease light output simply by adjusting the focus.

POCKET PAR 125





Cat. No.	Description
501300	ARRILUX 125 POCKET PAR
501201	25 ft. Head/Ballast Cable
501310	Four Leaf Barndoor
501325	Lens Set (Medium, Wide, Super Wide, Frosted)
501315	Accessory Holder
530150	3" Full Single Scrim (requires 501315)
530151	3" Half Single Scrim (requires 501315)
530152	3" Full Double Scrim (requires 501315)
530153	3" Half Double Scrim (requires 501315)
501319	CTO 1/8 Glass Filter
501323	CTO 1/4 Glass Filter
501322	CTO 1/2 Glass Filter
501321	CTO 3/4 Glass Filter
501245	125W Single Ended HMI Lamp
571661	Hand Grip
501364	Hand Grip Adapter
501365	Ballast/Ballast Bracket
501366	Head/Head Bracket
501361	Ballast Mounting Bracket
501362	Head/Ballast Adapter
501363	Chimera Adapter Bracket
501360	Video Clamp
501358	Chimera 6" Ring
501359	Chimera XXS Video Pro Plus Bank
501396	POCKET PAR Light Pipe
501397	Case for Light Pipe
853276	Safety Cable
502806	125/200W Electronic Ballast w/ALF
502808	125/200W DC Electronic Ballast
501935	Case for POCKET PAR System

Specifications

Weight	2 lbs. (0.9 kg)
Lampholder	GZX9.5
Lens Diameter	3.1" (80 mm)
Mounting	5/8" (16 mm) stand mount

POCKET PAR 125 also available in Kits
See Kit Section for details

For Ballast Specifications see Ballast Section

POCKET PAR 125

Photometric Data: Footcandles

Distance	5 ft. (1.5 m)	10 ft. (3.0 m)	15 ft. (4.6 m)	20 ft. (6.1 m)
Super Spot/No Lens				
Spot (7°)	10333	2583	1148	646
Medium Lens				
Spot (10°)	5076	1269	564	317
Medium (12°)	3744	936	416	234
Flood (15°)	2340	585	260	146
Wide Lens				
Spot (22°)	2236	559	248	140
Medium (28°)	984	246	109	62
Flood (33°)	839	210	93	52
Super Wide Lens				
Spot (52°)	414	104	46	26
Medium (59°)	356	89	40	22
Flood (67°)	270	68	30	17
Frosted Lens				
Spot (36°)	500	125	56	31
Medium (51°)	304	76	34	19
Flood (66°)	193	48	21	12

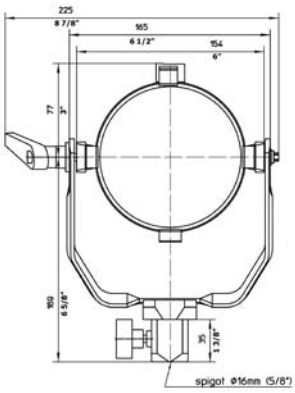
In addition to using spread lenses, POCKET PARS can be focused over a wide range. This data shows spot, medium and flood performance for each lens. The table showing "performance at any distance" is based on medium focus. For additional data see the Photometric Calculator at www.arri.de/prod/lighting/calculator

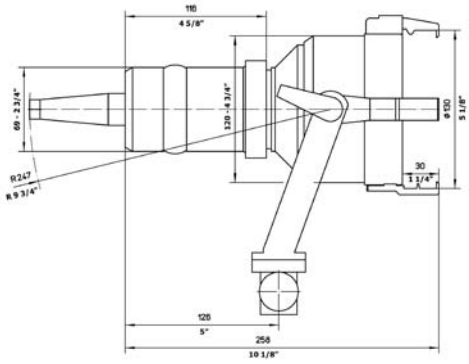
Photometric Data: Beam Diameter

Distance	5 ft. (1.5 m)	10 ft. (3.0 m)	15 ft. (4.6 m)	20 ft. (6.1 m)
Super Spot/No Lens				
Spot (7°)	0.6 ft. (0.2 m)	1.2 ft. (0.4 m)	1.8 ft. (0.5 m)	2.4 ft. (0.7 m)
Medium Lens				
Spot (10°)	0.9 ft. (0.3 m)	1.7 ft. (0.5 m)	2.6 ft. (0.8 m)	3.5 ft. (1.1 m)
Medium (12°)	1.1 ft. (0.3 m)	2.1 ft. (0.6 m)	3.2 ft. (1.0 m)	4.2 ft. (1.3 m)
Flood (15°)	1.3 ft. (0.4 m)	2.6 ft. (0.8 m)	3.9 ft. (1.2 m)	5.3 ft. (1.6 m)
Wide Lens				
Spot (22°)	1.9 ft. (0.6 m)	3.9 ft. (1.2 m)	5.8 ft. (1.8 m)	7.8 ft. (2.4 m)
Medium (28°)	2.5 ft. (0.8 m)	5.0 ft. (1.5 m)	7.5 ft. (2.3 m)	10.0 ft. (3.0 m)
Flood (33°)	3.0 ft. (0.9 m)	5.9 ft. (1.8 m)	8.9 ft. (2.7 m)	11.8 ft. (3.6 m)
Super Wide Lens				
Spot (52°)	4.9 ft. (1.5 m)	9.8 ft. (3.0 m)	14.6 ft. (4.5 m)	19.5 ft. (5.9 m)
Medium (59°)	5.7 ft. (1.7 m)	11.3 ft. (3.4 m)	17.0 ft. (5.2 m)	22.6 ft. (6.9 m)
Flood (67°)	6.6 ft. (2.0 m)	13.2 ft. (4.0 m)	19.9 ft. (6.1 m)	26.5 ft. (8.1 m)
Frosted Lens				
Spot (36°)	3.2 ft. (1.0 m)	6.5 ft. (2.0 m)	9.7 ft. (3.0 m)	13.0 ft. (4.0 m)
Medium (51°)	4.8 ft. (1.5 m)	9.5 ft. (2.9 m)	14.3 ft. (4.4 m)	19.1 ft. (5.8 m)
Flood (66°)	6.5 ft. (2.0 m)	13.0 ft. (4.0 m)	19.5 ft. (5.9 m)	26.0 ft. (7.9 m)

Super Spot/No Lens Performance at any distance:	
Footcandles (or lux) = 258,300 ÷ Distance^2	Beam Diameter = Distance x 0.12
Medium Lens Performance at any distance:	
Footcandles (or lux) = 93,600 ÷ Distance^2	Beam Diameter = Distance x 0.21
Wide Lens Performance at any distance:	
Footcandles (or lux) = 24,600 ÷ Distance^2	Beam Diameter = Distance x 0.50
Super Wide Lens Performance at any distance:	
Footcandles (or lux) = 8,900 ÷ Distance^2	Beam Diameter = Distance x 1.13
Frosted Lens Performance at any distance:	
Footcandles (or lux) = 7,600 ÷ Distance^2	Beam Diameter = Distance x 0.95

POCKET PAR 200





Dimensions are for POCKET PAR 200

Cat. No.	Description
502500	POCKET PAR 200
502501	POCKET LITE 200
502201	25 ft. Head/Ballast Cable
502202	50 ft. Head/Ballast Cable
531310	Four Leaf Barndoor
502525	Lens Set (Medium, Wide, Super Wide, Frosted)
502323	Lens Bag
502245	200W Single Ended HMI Lamp
531350	5" Full Single Scrim
531352	5" Full Double Scrim
571711	Scrim Bag
502521	3/4" CTO Glass Filter
502558	5" Chimera Speed Ring
571659	Chimera XS Video Pro Bank
502557	Chimera Lantern Adapter
504558	Chimera 20" Lantern
571661	Hand Grip
502511	Lighthouse Assembly, Clear
502512	Lighthouse Assembly, Frosted
502513	Lighthouse Stirrup
502514	Shutter
853276	Safety Cable
502806	125/200W Electronic Ballast w/ALF
502808	125/200W DC Electronic Ballast
502595	Case for POCKET PAR/LITE 200 System

Specifications

POCKET PAR	
Weight	4.6 lbs. (2.1 kg)
Reflector	Facetted dichroic glass
Lampholder	GZY9.5
Mounting	5/8" (16 mm) stand mount
POCKET LITE	
Weight	4.6 lbs. (2.1 kg)
Reflector	Micro stippled dichroic glass
Lampholder	GZY9.5
Mounting	5/8" (16 mm) stand mount

POCKET PAR 200 also available in Kits
See Kit Section for details

For Ballast Specifications see Ballast Section

POCKET PAR 200

Photometric Data: Footcandles

Distance	10 ft. (3.0 m)	15 ft. (4.6 m)	20 ft. (6.1 m)	25 ft. (7.6 m)
Super Spot/No Lens				
Spot (6°)	4878	2168	1220	781
Medium Lens				
Spot (11°)	2169	964	542	347
Medium (15°)	1188	528	297	190
Flood (18°)	900	400	225	144
Wide Lens				
Spot (21°)	792	352	198	127
Medium (26°)	518	230	130	83
Flood (32°)	387	172	97	62
Super Wide Lens				
Spot (46°)	208	92	52	33
Medium (50°)	160	71	40	26
Flood (54°)	146	65	36	23
Frosted Lens				
Spot (35°)	185	82	46	30
Medium (43°)	152	68	38	24
Flood (51°)	114	51	29	18

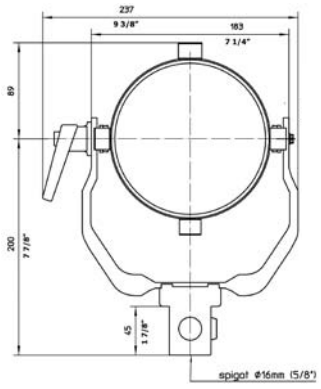
In addition to using spread lenses, POCKET PARS can be focused over a wide range. This data shows spot, medium and flood performance for each lens. The table showing "performance at any distance" is based on medium focus. For additional data see the Photometric Calculator at www.arri.de/prod/lighting/calculator

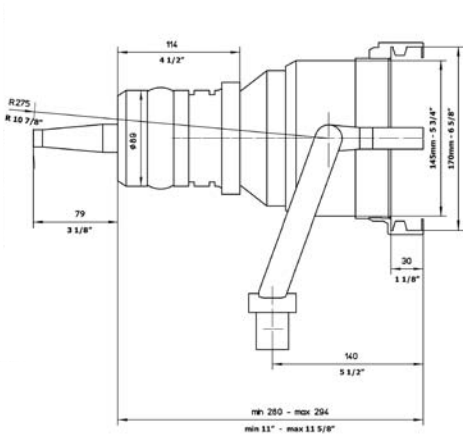
Photometric Data: Beam Diameter

Distance	10 ft. (3.0 m)	15 ft. (4.6 m)	20 ft. (6.1 m)	25 ft. (7.6 m)
Super Spot/No Lens				
Spot (6°)	1.0 ft. (0.3 m)	1.6 ft. (0.5 m)	2.1 ft. (0.6 m)	2.6 ft. (0.8 m)
Medium Lens				
Spot (11°)	1.9 ft. (0.6 m)	2.9 ft. (0.9 m)	3.9 ft. (1.2 m)	4.8 ft. (1.5 m)
Medium (15°)	2.6 ft. (0.8 m)	3.9 ft. (1.2 m)	5.3 ft. (1.6 m)	6.6 ft. (2.0 m)
Flood (18°)	3.2 ft. (1.0 m)	4.8 ft. (1.5 m)	6.3 ft. (1.9 m)	7.9 ft. (2.4 m)
Wide Lens				
Spot (21°)	3.7 ft. (1.1 m)	5.6 ft. (1.7 m)	7.4 ft. (2.3 m)	9.3 ft. (2.8 m)
Medium (26°)	4.6 ft. (1.4 m)	6.9 ft. (2.1 m)	9.2 ft. (2.8 m)	11.5 ft. (3.5 m)
Flood (32°)	5.7 ft. (1.7 m)	8.6 ft. (2.6 m)	11.5 ft. (3.5 m)	14.3 ft. (4.4 m)
Super Wide Lens				
Spot (46°)	8.5 ft. (2.6 m)	12.7 ft. (3.9 m)	17.0 ft. (5.2 m)	21.2 ft. (6.5 m)
Medium (50°)	9.3 ft. (2.8 m)	14.0 ft. (4.3 m)	18.7 ft. (5.7 m)	23.3 ft. (7.1 m)
Flood (54°)	10.2 ft. (3.1 m)	15.3 ft. (4.7 m)	20.4 ft. (6.2 m)	25.5 ft. (7.8 m)
Frosted Lens				
Spot (35°)	6.3 ft. (1.9 m)	9.5 ft. (2.9 m)	12.6 ft. (3.8 m)	15.8 ft. (4.8 m)
Medium (43°)	7.9 ft. (2.4 m)	11.8 ft. (3.6 m)	15.8 ft. (4.8 m)	19.7 ft. (6.0 m)
Flood (51°)	9.5 ft. (2.9 m)	14.3 ft. (4.4 m)	19.1 ft. (5.8 m)	23.8 ft. (7.3 m)

Super Spot/No Lens Performance at any distance:	
Footcandles (or lux) = 488,000 ÷ Distance^2	Beam Diameter = Distance x 0.11
Medium Lens Performance at any distance:	
Footcandles (or lux) = 118,800 ÷ Distance^2	Beam Diameter = Distance x 0.27
Wide Lens Performance at any distance:	
Footcandles (or lux) = 51,850 ÷ Distance^2	Beam Diameter = Distance x 0.46
Super Wide Lens Performance at any distance:	
Footcandles (or lux) = 16,050 ÷ Distance^2	Beam Diameter = Distance x 0.94
Frosted Lens Performance at any distance:	
Footcandles (or lux) = 15,200 ÷ Distance^2	Beam Diameter = Distance x 0.79

POCKET PAR 400





Dimensions are for POCKET PAR 400

Cat. No.	Description
504500	POCKET PAR 400
504501	POCKET LITE 400
504502	25 ft. Head/Ballast Cable
504503	50 ft. Head/Ballast Cable
531610	Four Leaf Barndoor
531615	Eight Leaf Barndoor
502325	Lens Set (Spot, Medium, Wide, Super Wide, Frosted)
502323	Lens Bag
504545	400W Single Ended HMI Lamp
531650	6 5/8" Full Single Scrim
531652	6 5/8" Full Double Scrim
571712	Scrim Bag
504521	3/4" CTO Glass Filter
504553	Tubolite Pipe w/ Case
531658	6 5/8" Chimera Speed Ring
571159	Chimera Video Pro Bank, Small
504557	Chimera Lantern Adapter
504558	Chimera 20" Lantern
571661	Hand Grip
504511	Lighthouse Assembly, Clear
504512	Lighthouse Assembly, Frosted
502513	Lighthouse Stirrup
504514	Shutter
504559	Source 4™ Adapter Set
853276	Safety Cable
504806	400/575W Electronic Ballast w/ALF
504807	400/575W Electronic Ballast w/DMX & ALF
504808	200/400W DC Electronic Ballast
504596	Case for POCKET PAR/LITE 400 System
504595	Case for POCKET PAR/LITE 400 + Lighthouse System

Specifications

POCKET PAR	
Weight	6.1 lbs. (2.8 kg)
Reflector	Facetted dichroic glass
Lampholder	GZZ9.5
Mounting	5/8" (16 mm) stand mount
POCKET LITE	
Weight	6.3 lbs. (2.9 kg)
Reflector	Micro stippled dichroic glass
Lampholder	GZZ9.5
Mounting	5/8" (16 mm) stand mount

POCKET PAR 400 also available in Kits
See Kit Section for details

For Ballast Specifications see Ballast Section

POCKET PAR 400

Photometric Data: Footcandles

Distance	10 ft. (3.0 m)	15 ft. (4.6 m)	20 ft. (6.1 m)	25 ft. (7.6 m)
Super Spot/No Lens				
Spot (6°)	13401	5956	3350	2144
Spot Lens				
Spot (9°)	7526	3345	1881	1204
Medium (11°)	3825	1700	956	612
Flood (14°)	2800	1245	700	448
Medium Lens				
Spot (11° x 23°)	2750	1222	688	440
Medium (17° x 26°)	1545	687	386	247
Flood (21° x 29°)	1170	520	293	187
Wide Lens				
Spot (19° x 38°)	1093	486	273	175
Medium (32° x 47°)	523	232	131	84
Flood (41° x 56°)	353	157	88	56
Super Wide Lens				
Spot (40°)	645	287	161	103
Medium (50°)	323	143	81	52
Flood (62°)	227	101	57	36
Frosted Lens				
Spot (33°)	443	197	111	71
Medium (51°)	225	100	56	36
Flood (69°)	138	61	34	22

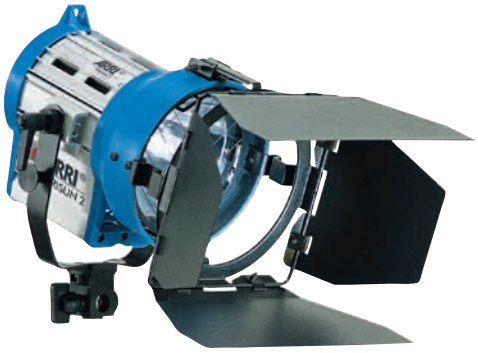
In addition to using spread lenses, POCKET PARS can be focused over a wide range. This data shows spot, medium and flood performance for each lens. The table showing "performance at any distance" is based on medium focus. For additional data see the Photometric Calculator at www.arri.de/prod/lighting/calculator

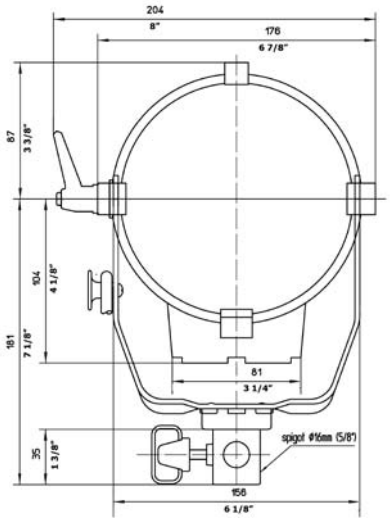
Photometric Data: Beam Diameter

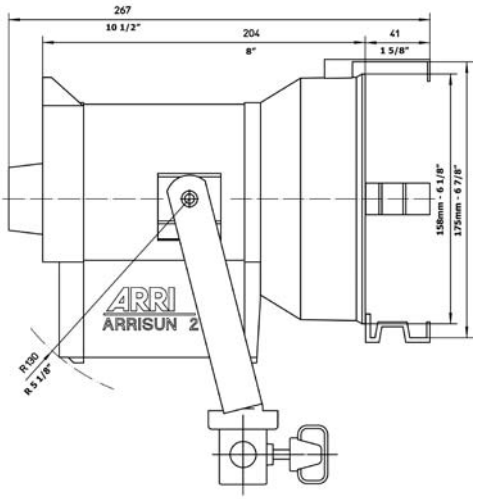
Distance	10 ft. (3.0 m)	15 ft. (4.6 m)	20 ft. (6.1 m)	25 ft. (7.6 m)
Super Spot/No Lens				
Spot (6°)	1.0 ft. (0.3 m)	1.6 ft. (0.5 m)	2.1 ft. (0.6 m)	2.6 ft. (0.8 m)
Spot Lens				
Spot (9°)	1.6 ft. (0.5 m)	2.4 ft. (0.7 m)	3.1 ft. (0.9 m)	3.9 ft. (1.2 m)
Medium (11°)	1.9 ft. (0.6 m)	2.9 ft. (0.9 m)	3.9 ft. (1.2 m)	4.8 ft. (1.5 m)
Flood (14°)	2.5 ft. (0.8 m)	3.7 ft. (1.1 m)	4.9 ft. (1.5 m)	6.1 ft. (1.9 m)
Medium Lens				
Spot (11° x 23°)	1.9 x 4.1 ft.	2.9 x 6.1 ft.	3.9 x 8.1 ft.	4.8 x 10.2 ft.
	0.6 x 1.2 m	0.9 x 1.9 m	1.2 x 2.5 m	1.5 x 3.1 m
Medium (17° x 26°)	3.0 x 4.6 ft.	4.5 x 6.9 ft.	6.0 x 9.2 ft.	7.5 x 11.5 ft.
	0.9 x 1.4 m	1.4 x 2.1 m	1.8 x 2.8 m	2.3 x 3.5 m
Flood (21° x 29°)	3.7 x 5.2 ft.	5.6 x 7.8 ft.	7.4 x 10.3 ft.	9.3 x 12.9 ft.
	1.1 x 1.6 m	1.7 x 2.4 m	2.3 x 3.1 m	2.8 x 3.9 m
Wide Lens				
Spot (19° x 38°)	3.3 x 6.9 ft.	5.0 x 10.3 ft.	6.7 x 13.8 ft.	8.4 x 17.2 ft.
	1.0 x 2.1 m	1.5 x 3.1 m	2.0 x 4.2 m	2.6 x 5.2 m
Medium (32° x 47°)	5.7 x 8.7 ft.	8.6 x 13.0 ft.	11.5 x 17.4 ft.	14.3 x 21.7 ft.
	1.7 x 2.7 m	2.6 x 4.0 m	3.5 x 5.3 m	4.4 x 6.6 m
Flood (41° x 56°)	7.5 x 10.6 ft.	11.2 x 16.0 ft.	15.0 x 21.3 ft.	18.7 x 26.6 ft.
	2.3 x 3.2 m	3.4 x 4.9 m	4.6 x 6.5 m	5.7 x 8.1 m
Super Wide Lens				
Spot (40°)	7.3 ft. (2.2 m)	10.9 ft. (3.3 m)	14.6 ft. (4.5 m)	18.2 ft. (5.5 m)
Medium (50°)	9.3 ft. (2.8 m)	14.0 ft. (4.3 m)	18.7 ft. (5.7 m)	23.3 ft. (7.1 m)
Flood (62°)	12.0 ft. (3.7 m)	18.0 ft. (5.5 m)	24.0 ft. (7.3 m)	30.0 ft. (9.1 m)
Frosted Lens				
Spot (33°)	5.9 ft. (1.8 m)	8.9 ft. (2.7 m)	11.8 ft. (3.6 m)	14.8 ft. (4.5 m)
Medium (51°)	9.5 ft. (2.9 m)	14.3 ft. (4.4 m)	19.1 ft. (5.8 m)	23.8 ft. (7.3 m)
Flood (69°)	13.7 ft. (4.2 m)	20.6 ft. (6.3 m)	27.5 ft. (8.4 m)	34.4 ft. (10.5 m)

Super Spot/No Lens Performance at any distance:	
Footcandles (or lux) = 1,340,000 ÷ Distance^2	Beam Diameter = Distance x 0.11
Spot Lens Performance at any distance:	
Footcandles (or lux) = 382,500 ÷ Distance^2	Beam Diameter = Distance x 0.20
Medium Lens Performance at any distance:	
Footcandles (or lux) = 154,500 ÷ Distance^2	Beam Diameter = Distance x 0.30
	Beam Diameter = Distance x 0.46
Wide Lens Performance at any distance:	
Footcandles (or lux) = 52,350 ÷ Distance^2	Beam Diameter = Distance x 0.58
	Beam Diameter = Distance x 0.87
Super Wide Lens Performance at any distance:	
Footcandles (or lux) = 32,350 ÷ Distance^2	Beam Diameter = Distance x 0.94
Frosted Lens Performance at any distance:	
Footcandles (or lux) = 22,500 ÷ Distance^2	Beam Diameter = Distance x 0.96

ARRISUN 2







Cat. No.	Description
502300	ARRISUN 2
502201	25 ft. Head/Ballast Cable
502202	50 ft. Head/Ballast Cable
502325	Lens Set (Spot, Medium, Wide, Super Wide, Frosted)
502395	Lens Case
531610	Four Leaf Barndoor
531615	Eight Leaf Barndoor
502245	200W Single Ended HMI Lamp
531650	6 5/8" Full Single Scrim
531652	6 5/8" Full Single Scrim
571712	Scrim Bag
853276	Safety Cable
502806	125/200W Electronic Ballast w/ALF
502808	125/200W DC Electronic Ballast
502935	ARRISUN 2 System Case

Specifications

Weight	5.7 lbs. (2.6 kg)
Reflector	High purity aluminum parabolic
Lampholder	GZY9.5
Mounting	5/8" (16 mm) stand mount

ARRISUN 2 also available in Kits
See Kit Section for details

For Ballast Specifications see Ballast Section

ARRISUN 2

Photometric Data: Footcandles

Distance	5 ft. (1.5 m)	10 ft. (3.0 m)	15 ft. (4.6 m)	20 ft. (6.1 m)
Super Spot/No Lens				
Spot (6°)	20018	5004	2224	1251
Spot Lens				
Spot (9°)	10801	2700	1200	675
Medium (12°)	7668	1917	852	479
Flood (14°)	5509	1377	612	344
Medium Lens				
Spot (11° x 21°)	4644	1161	516	290
Medium (19° x 26°)	2684	671	298	168
Flood (24° x 30°)	1854	464	206	116
Wide Lens				
Spot (18° x 35°)	1894	473	210	118
Medium (28° x 45°)	1168	292	130	73
Flood (42° x 55°)	673	168	75	42
Super Wide Lens				
Spot (38°)	1008	252	112	63
Medium (44°)	772	193	86	48
Flood (50°)	565	141	63	35
Frosted Lens				
Spot (30°)	806	202	90	50
Medium (44°)	504	126	56	32
Flood (56°)	356	89	40	22

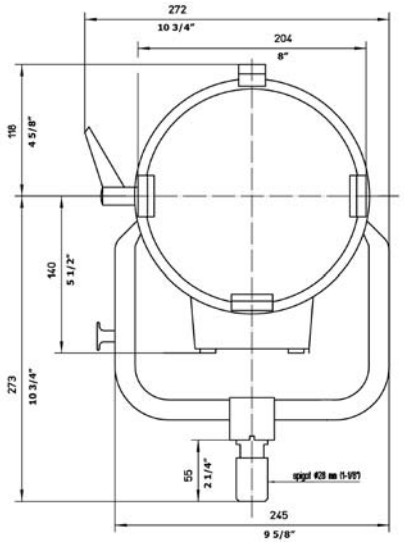
In addition to using spread lenses, ARRISUN fixtures can be focused over a wide range. This data shows spot, medium and flood performance for each lens. The table showing "performance at any distance" is based on medium focus. For additional data see the Photometric Calculator at www.arri.de/prod/lighting/calculator

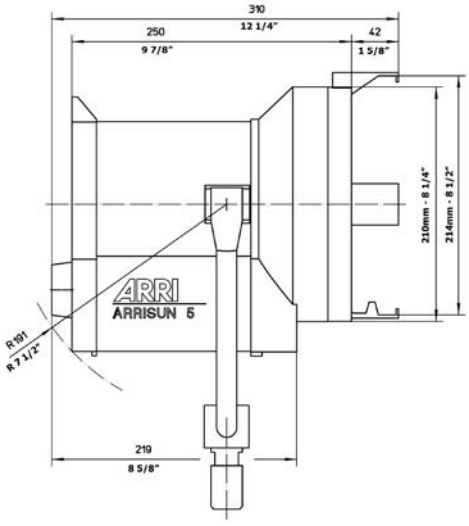
Photometric Data: Beam Diameter

Distance	5 ft. (1.5 m)	10 ft. (3.0 m)	15 ft. (4.6 m)	20 ft. (6.1 m)
Super Spot/No Lens				
Spot (6°)	0.5 ft. (0.2 m)	1.0 ft. (0.3 m)	1.6 ft. (0.5 m)	2.1 ft. (0.6 m)
Spot Lens				
Spot (9°)	0.8 ft. (0.2 m)	1.6 ft. (0.5 m)	2.4 ft. (0.7 m)	3.1 ft. (0.9 m)
Medium (12°)	1.1 ft. (0.3 m)	2.1 ft. (0.6 m)	3.2 ft. (1.0 m)	4.2 ft. (1.3 m)
Flood (14°)	1.2 ft. (0.4 m)	2.5 ft. (0.8 m)	3.7 ft. (1.1 m)	4.9 ft. (1.5 m)
Medium Lens				
Spot (11° x 21°)	1.0 x 1.9 ft.	1.9 x 3.7 ft.	2.9 x 5.6 ft.	3.9 x 7.4 ft.
	0.3 x 0.6 m	0.6 x 1.1 m	0.9 x 1.7 m	1.2 x 2.3 m
Medium (19° x 26°)	1.7 x 2.3 ft.	3.3 x 4.6 ft.	5.0 x 6.9 ft.	6.7 x 9.2 ft.
	0.5 x 0.7 m	1.0 x 1.4 m	1.5 x 2.1 m	2.0 x 2.8 m
Flood (24° x 30°)	2.1 x 2.7 ft.	4.3 x 5.4 ft.	6.4 x 8.0 ft.	8.5 x 10.7 ft.
	0.6 x 0.8 m	1.3 x 1.6 m	2.0 x 2.4 m	2.6 x 3.3 m
Wide Lens				
Spot (18° x 35°)	1.6 x 3.2 ft.	3.2 x 6.3 ft.	4.8 x 9.5 ft.	6.3 x 12.6 ft.
	0.5 x 1.0 m	1.0 x 1.9 m	1.5 x 2.9 m	1.9 x 3.8 m
Medium (28° x 45°)	2.5 x 4.1 ft.	5.0 x 8.3 ft.	7.5 x 12.4 ft.	10.0 x 16.6 ft.
	0.8 x 1.2 m	1.5 x 2.5 m	2.3 x 3.8 m	3.0 x 5.1 m
Flood (42° x 55°)	3.8 x 5.2 ft.	7.7 x 10.4 ft.	11.5 x 15.6 ft.	15.4 x 20.8 ft.
	1.2 x 1.6 m	2.3 x 3.2 m	3.5 x 4.8 m	4.7 x 6.3 m
Super Wide Lens				
Spot (38°)	3.4 ft. (1.0 m)	6.9 ft. (2.1 m)	10.3 ft. (3.1 m)	13.8 ft. (4.2 m)
Medium (44°)	4.0 ft. (1.2 m)	8.1 ft. (2.5 m)	12.1 ft. (3.7 m)	16.2 ft. (4.9 m)
Flood (50°)	4.7 ft. (1.4 m)	9.3 ft. (2.8 m)	14.0 ft. (4.3 m)	18.7 ft. (5.7 m)
Frosted Lens				
Spot (30°)	2.7 ft. (0.8 m)	5.4 ft. (1.6 m)	8.0 ft. (2.4 m)	10.7 ft. (3.3 m)
Medium (44°)	4.0 ft (1.2 m)	8.1 ft. (2.5 m)	12.1 ft. (3.7 m)	16.2 ft. (4.9 m)
Flood (56°)	5.3 ft. (1.6 m)	10.6 ft. (3.2 m)	16.0 ft. (4.9 m)	21.3 ft. (6.5 m)

Super Spot/No Lens Performance at any distance:	
Footcandles (or lux) = 500,400 ÷ Distance^2	Beam Diameter = Distance x 0.11
Spot Lens Performance at any distance:	
Footcandles (or lux) = 191,700 ÷ Distance^2	Beam Diameter = Distance x 0.21
Medium Lens Performance at any distance:	
Footcandles (or lux) = 67,100 ÷ Distance^2	Beam Diameter = Distance x 0.33
	Beam Diameter = Distance x 0.46
Wide Lens Performance at any distance:	
Footcandles (or lux) = 29,200 ÷ Distance^2	Beam Diameter = Distance x 0.50
	Beam Diameter = Distance x 0.83
Super Wide Lens Performance at any distance:	
Footcandles (or lux) = 19,300 ÷ Distance^2	Beam Diameter = Distance x 0.81
Frosted Lens Performance at any distance:	
Footcandles (or lux) = 12,600 ÷ Distance^2	Beam Diameter = Distance x 0.81

ARRISUN 5





Cat. No.	Description
505305	ARRISUN 5
505203	25 ft. Head/Ballast Cable
505204	50 ft. Head/Ballast Cable
505201	100 ft. Head/Ballast Cable
505325	Lens Set (Spot, Medium, Wide, Super Wide, Frosted)
505395	Lens Case
531110	Four Leaf Barndoor
531115	Eight Leaf Barndoor
505245	575W Single Ended HMI Lamp
531150	7 3/4" Full Single Scrim
531152	7 3/4" Full Double Scrim
571712	Scrim Bag
853276	Safety Cable
504806	400/575W Electronic Ballast w/ ALF
504807	400/575W Electronic Ballast w/DMX & ALF
505810	575/1200W Electronic Ballast w/DMX & ALF
505815	575/1200W Electronic Ballast w/DMX
505935	Lamphead Case
504920	Electronic Ballast Case (400/575W)
505921	Electronic Ballast Case (575/1200W)

Specifications

Weight	12 lbs. (5.4 kg)
Reflector	High purity aluminum parabolic
Lampholder	G22 High Voltage
Mounting	5/8" (16 mm) stand mount or 1 1/8" (29 mm) stand mount (Please specify)

For Ballast Specifications see Ballast Section

ARRISUN 5

Photometric Data Footcandles

Distance	10 ft. (3.0 m)	15 ft. (4.6 m)	20 ft. (6.1 m)	25 ft. (7.6 m)
Super Spot/No Lens				
Spot (5°)	18452	8201	4613	2952
Spot Lens				
Spot (9°)	7451	3311	1863	1192
Medium (12°)	4200	1867	1050	672
Flood (16°)	2875	1278	719	460
Medium Lens				
Spot (11° x 22°)	3025	1345	756	484
Medium (17° x 24°)	1945	864	486	311
Flood (27° x 28°)	1585	705	396	254
Wide Lens				
Spot (21° x 43°)	848	377	212	136
Medium (27° x 45°)	713	317	178	114
Flood (29° x 46°)	683	303	171	109
Super Wide Lens				
Spot (42°)	648	288	162	104
Medium (52°)	148	66	37	24
Flood (62°)	313	139	78	50
Frosted Lens				
Spot (34°)	475	211	119	76
Medium (50°)	303	135	76	48
Flood (65°)	206	92	52	33

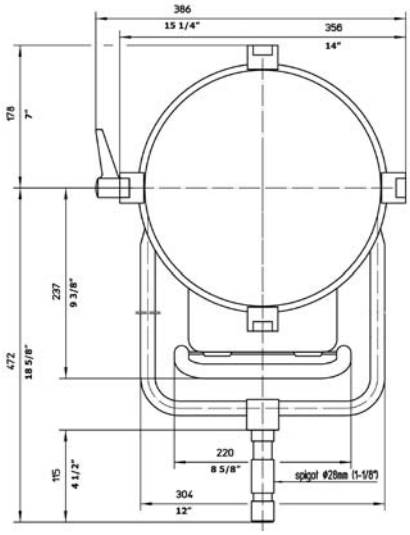
In addition to using spread lenses, ARRISUN fixtures can be focused over a wide range. This data shows spot, medium and flood performance for each lens. The table showing "performance at any distance" is based on medium focus. For additional data see the Photometric Calculator at www.arri.de/prod/lighting/calculator

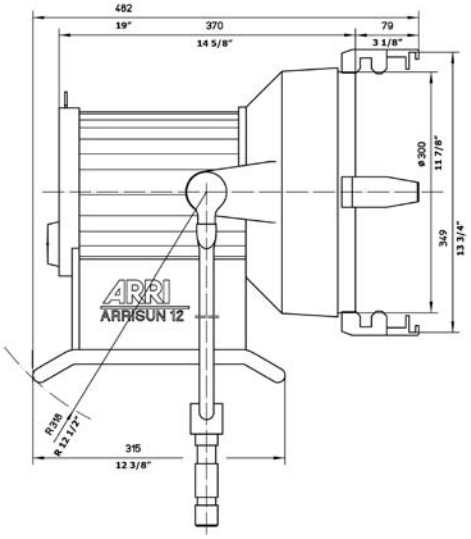
Photometric Data: Beam Diameter

Distance	10 ft. (3.0 m)	15 ft. (4.6 m)	20 ft. (6.1 m)	25 ft. (7.6 m)
Super Spot/No Lens				
Spot (5°)	0.9 ft. (0.3 m)	1.3 ft. (0.4 m)	1.7 ft. (0.5 m)	2.2 ft. (0.7 m)
Spot Lens				
Spot (9°)	1.6 ft. (0.5 m)	2.4 ft. (0.7 m)	3.1 ft. (0.9 m)	3.9 ft. (1.2 m)
Medium (12°)	2.1 ft. (0.6 m)	3.2 ft. (1.0 m)	4.2 ft. (1.3 m)	5.3 ft. (1.6 m)
Flood (16°)	2.8 ft. (0.9 m)	4.2 ft. (1.3 m)	5.6 ft. (1.7 m)	7.0 ft. (2.1 m)
Medium Lens				
Spot (11° x 22°)	1.9 x 3.9 ft.	2.9 x 5.8 ft.	3.9 x 7.8 ft.	4.8 x 9.7 ft.
	0.6 x 1.2 m	0.9 x 1.8 m	1.2 x 2.4 m	1.5 x 3.0 m
Medium (17° x 24°)	3.0 x 4.3 ft.	4.5 x 6.4 ft.	6.0 x 8.5 ft.	7.5 x 10.6 ft.
	0.9 x 1.3 m	1.4 x 2.0 m	1.8 x 2.6 m	2.3 x 3.2 m
Flood (27° x 28°)	4.8 x 5.0 ft.	7.2 x 7.5 ft.	9.6 x 10.0 ft.	12.0 x 12.5 ft.
	1.5 x 1.5 m	2.2 x 2.3 m	2.9 x 3.0 m	3.7 x 3.8 m
Wide Lens				
Spot (21° x 43°)	3.7 x 7.9 ft.	5.6 x 11.8 ft.	7.4 x 15.8 ft.	9.3 x 19.7 ft.
	1.1 x 2.4 m	1.7 x 3.6 m	2.3 x 4.8 m	2.8 x 6.0 m
Medium (27° x 45°)	4.8 x 8.3 ft.	7.2 x 12.4 ft.	9.6 x 16.6 ft.	12.0 x 20.7 ft.
	1.5 x 2.5 m	2.2 x 3.8 m	2.9 x 5.1 m	3.7 x 6.3 m
Flood (29° x 46°)	5.2 x 8.5 ft.	7.8 x 12.7 ft.	10.3 x 17.0 ft.	12.9 x 21.2 ft.
	1.6 x 2.6 m	2.4 x 3.9 m	3.1 x 5.2 m	3.9 x 6.5 m
Super Wide Lens				
Spot (42°)	7.7 ft. (2.3 m)	11.5 ft. (3.5 m)	15.4 ft. (4.7 m)	19.2 ft. (5.9 m)
Medium (52°)	9.8 ft. (3.0 m)	14.6 ft. (4.5 m)	19.5 ft. (5.9 m)	24.4 ft. (7.4 m)
Flood (62°)	12.0 ft. (3.7 m)	18.0 ft. (5.5 m)	24.0 ft. (7.3 m)	30.0 ft. (9.1 m)
Frosted Lens				
Spot (34°)	6.1 ft. (1.9 m)	9.2 ft. (2.8 m)	12.2 ft. (3.7 m)	15.3 ft. (4.7 m)
Medium (50°)	9.3 ft. (2.8 m)	14.0 ft. (4.3 m)	18.7 ft. (5.7 m)	23.3 ft. (7.1 m)
Flood (65°)	12.7 ft. (3.9 m)	19.1 ft. (5.8 m)	25.5 ft. (7.8 m)	31.9 ft. (9.7 m)

Super Spot/No Lens Performance at any distance:	
Footcandles (or lux) = 1,845,200 ÷ Distance^2	Beam Diameter = Distance x 0.09
Spot Lens Performance at any distance:	
Footcandles (or lux) = 420,000 ÷ Distance^2	Beam Diameter = Distance x 0.21
Medium Lens Performance at any distance:	
Footcandles (or lux) = 194,500 ÷ Distance^2	Beam Diameter = Distance x 0.30
	Beam Diameter = Distance x 0.43
Wide Lens Performance at any distance:	
Footcandles (or lux) = 71,300 ÷ Distance^2	Beam Diameter = Distance x 0.48
	Beam Diameter = Distance x 0.83
Super Wide Lens Performance at any distance:	
Footcandles (or lux) = 14,800 ÷ Distance^2	Beam Diameter = Distance x 0.98
Frosted Lens Performance at any distance:	
Footcandles (or lux) = 30,300 ÷ Distance^2	Beam Diameter = Distance x 0.94

ARRISUN 12 Plus





Cat. No.	Description
512305	ARRISUN 12 Plus
505203	25 ft. Head/Ballast Cable
505204	50 ft. Head/Ballast Cable
505201	100 ft. Head/Ballast Cable
512335	Lens Set (Spot, Medium, Wide, Super Wide, Frosted)
512396	Lens Case
532210	Four Leaf Barndoor
532215	Eight Leaf Barndoor
512245	1200W Single Ended HMI Lamp
512250	13" Full Single Scrim
512252	13" Full Double Scrim
571716	Scrim Bag
853276	Safety Cable
505810	575/1200W Electronic Ballast w/DMX & ALF
505815	575/1200W Electronic Ballast w/DMX
512936	Lamphead Case
505921	Electronic Ballast Case

Specifications

Weight	27.2 lbs. (12.3 kg)
Reflector	High purity aluminum parabolic
Lampholder	G38 High Voltage
Mounting	1 1/8" (29 mm) stand mount

For Ballast Specifications see Ballast Section

ARRISUN 12 Plus

Photometric Data: Footcandles

Distance	20 ft. (6.1 m)	30 ft. (9.1 m)	40 ft. (12.2 m)	50 ft. (15.2 m)
Super Spot/No Lens				
Spot (6°)	8313	3695	2078	1330
Spot Lens				
Spot (8°)	4113	1828	1028	658
Medium (12°)	2094	931	524	335
Flood (16°)	1481	658	370	237
Medium Lens				
Spot (11° x 20°)	1594	708	398	255
Medium (25° x 28°)	663	295	166	106
Flood (32° x 37°)	432	192	108	69
Wide Lens				
Spot (20° x 42°)	491	218	123	79
Medium (32° x 50°)	286	127	72	46
Flood (42° x 58°)	204	91	51	33
Super Wide Lens				
Spot (42°)	273	121	68	44
Medium (54°)	176	78	44	28
Flood (65°)	139	62	35	22
Frosted Lens				
Spot (39°)	203	90	51	33
Medium (51°)	136	60	34	22
Flood (62°)	102	45	25	16

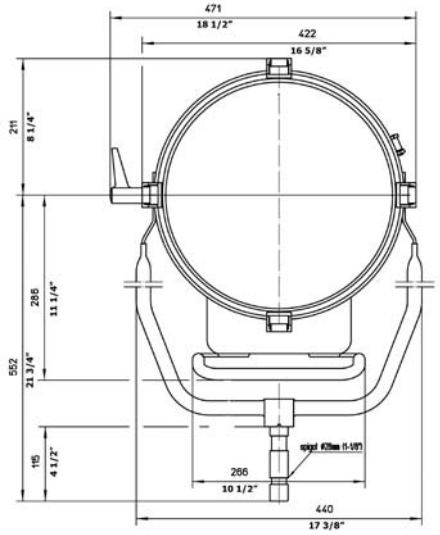
In addition to using spread lenses, ARRISUN fixtures can be focused over a wide range. This data shows spot, medium and flood performance for each lens. The table showing "performance at any distance" is based on medium focus. For additional data see the Photometric Calculator at www.arri.de/prod/lighting/calculator

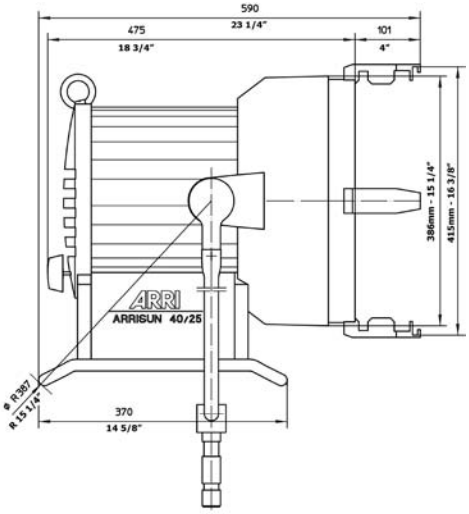
Photometric Data: Beam Diameter

Distance	20 ft. (6.1 m)	30 ft. (9.1 m)	40 ft. (12.2 m)	50 ft. (15.2 m)
Super Spot/No Lens				
Spot (6°)	2.1 ft. (0.6 m)	3.1 ft. (0.9 m)	4.2 ft. (1.3 m)	5.2 ft. (1.6 m)
Spot Lens				
Spot (8°)	2.8 ft. (0.9 m)	4.2 ft. (1.3 m)	5.6 ft. (1.7 m)	7.0 ft. (2.1 m)
Medium (12°)	4.2 ft. (1.3 m)	6.3 ft. (1.9 m)	8.4 ft. (2.6 m)	10.5 ft. (3.2 m)
Flood (16°)	5.6 ft. (1.7 m)	8.4 ft. (2.6 m)	11.2 ft. (3.4 m)	14.1 ft. (4.3 m)
Medium Lens				
Spot (11° x 20°)	3.9 x 7.1 ft.	5.8 x 10.6 ft.	7.7 x 14.1 ft.	9.6 x 17.6 ft.
	1.2 x 2.2 m	1.8 x 3.2 m	2.3 x 4.3 m	2.9 x 5.4 m
Medium (25° x 28°)	8.9 x 10.0 ft.	13.3 x 15.0 ft.	17.7 x 19.9 ft.	22.2 x 24.9 ft.
	2.7 x 3.0 m	4.1 x 4.6 m	5.4 x 6.1 m	6.8 x 7.6 m
Flood (32° x 37°)	11.5 x 13.4 ft.	17.2 x 20.1 ft.	22.9 x 26.8 ft.	28.7 x 33.5 ft.
	3.5 x 4.1 m	5.2 x 6.1 m	7.0 x 8.2 m	8.7 x 10.2 m
Wide Lens				
Spot (20° x 42°)	7.1 x 15.4 ft.	10.6 x 23.0 ft.	14.1 x 30.7 ft.	17.6 x 38.4 ft.
	2.2 x 4.7 m	3.2 x 7.0 m	4.3 x 9.4 m	5.4 x 11.7 m
Medium (32° x 50°)	11.5 x 18.7 ft.	17.2 x 28.0 ft.	22.9 x 37.3 ft.	28.7 x 46.6 ft.
	3.5 x 5.7 m	5.2 x 8.5 m	7.0 x 11.4 m	8.7 x 14.2 m
Flood (42° x 58°)	15.4 x 22.2 ft.	23.0 x 33.3 ft.	30.7 x 44.3 ft.	38.4 x 55.4 ft.
	4.7 x 6.8 m	7.0 x 10.1 m	9.4 x 13.5 m	11.7 x 16.9 m
Super Wide Lens				
Spot (42°)	15.4 ft. (4.7 m)	23.0 ft. (7.0 m)	30.7 ft. (9.4 m)	38.4 ft. (11.7 m)
Medium (54°)	20.4 ft. (6.2 m)	30.6 ft. (9.3 m)	40.8 ft. (12.4 m)	51.0 ft. (15.5 m)
Flood (65°)	25.5 ft. (7.8 m)	38.2 ft. (11.6 m)	51.0 ft. (15.5 m)	63.7 ft. (19.4 m)
Frosted Lens				
Spot (39°)	14.2 ft. (4.3 m)	21.2 ft. (6.5 m)	28.3 ft. (8.6 m)	35.4 ft. (10.8 m)
Medium (51°)	19.1 ft. (5.8 m)	28.6 ft. (8.7 m)	38.2 ft. (11.6 m)	47.7 ft. (14.5 m)
Flood (62°)	24.0 ft. (7.3 m)	36.1 ft. (11.0 m)	48.1 ft. (14.7 m)	60.1 ft. (18.3 m)

Super Spot/No Lens Performance at any distance:	
Footcandles (or lux) = 3,325,100 ÷ Distance^2	Beam Diameter = Distance x 0.11
Spot Lens Performance at any distance:	
Footcandles (or lux) = 837,600 ÷ Distance^2	Beam Diameter = Distance x 0.21
Medium Lens Performance at any distance:	
Footcandles (or lux) = 265,200 ÷ Distance^2	Beam Diameter = Distance x 0.44
	Beam Diameter = Distance x 0.50
Wide Lens Performance at any distance:	
Footcandles (or lux) = 114,400 ÷ Distance^2	Beam Diameter = Distance x 0.57
	Beam Diameter = Distance x 0.93
Super Wide Lens Performance at any distance:	
Footcandles (or lux) = 70,400 ÷ Distance^2	Beam Diameter = Distance x 1.02
Frosted Lens Performance at any distance:	
Footcandles (or lux) = 54,400 ÷ Distance^2	Beam Diameter = Distance x 0.96

ARRISUN 40/25





Cat. No.	Description
540300	ARRISUN 40/25
525203	25 ft. Head/Ballast Cable
525204	50 ft. Head/Ballast Cable
525201	100 ft. Head/Ballast Cable
540335	Lens Set (Spot, Medium, Wide, Super Wide, Frosted)
540396	Lens Case
532510	Four Leaf Barndoor
532515	Eight Leaf Barndoor
540245	4000W Single Ended HMI Lamp
525245	2500W Single Ended HMI Lamp
532550	15 1/2" Full Single Scrim
532552	15 1/2" Full Double Scrim
571716	Scrim Bag
853276	Safety Cable
540817	2500/4000W Electronic Ballast w/DMX & ALF
540391	Lamphead Case
525921	Electronic Ballast Case

Specifications

Weight	46 lbs. (20.9 kg)
Reflector	High purity aluminum parabolic
Lampholder	G38 High Voltage
Mounting	1 1/8" (29 mm) stand mount

For Ballast Specifications see Ballast Section

ARRISUN 40/25

Photometric Data w/4000W Lamp: Footcandles

Distance	35 ft. (10.7 m)	40 ft. (12.2 m)	60 ft. (18.3 m)	80 ft. (24.4 m)
Super Spot/No Lens				
Spot (5°)	8368	6407	2847	1602
Spot Lens				
Spot (7°)	4633	3547	1577	887
Medium (10°)	2776	2125	945	531
Flood (15°)	1721	1317	585	329
Medium Lens				
Spot (10° x 19°)	1825	1397	621	349
Medium (18° x 21°)	1039	795	354	199
Flood (19° x 23°)	816	625	278	156
Wide Lens				
Spot (18° x 26°)	633	484	215	121
Medium (19° x 35°)	531	407	181	102
Flood (20° x 43°)	369	283	126	71
Super Wide Lens				
Spot (41°)	327	250	111	63
Medium (45°)	292	224	99	56
Flood (53°)	214	164	73	41
Frosted Lens				
Spot (39°)	216	166	74	41
Medium (45°)	185	142	63	35
Flood (52°)	146	112	50	28

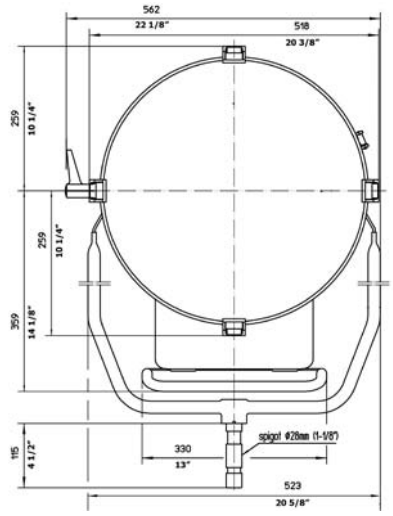
In addition to using spread lenses, ARRISUN fixtures can be focused over a wide range. This data shows spot, medium and flood performance for each lens. The table showing "performance at any distance" is based on medium focus. For additional data with the 2500 lamp see the Photometric Calculator at www.arri.de/prod/lighting/calculator

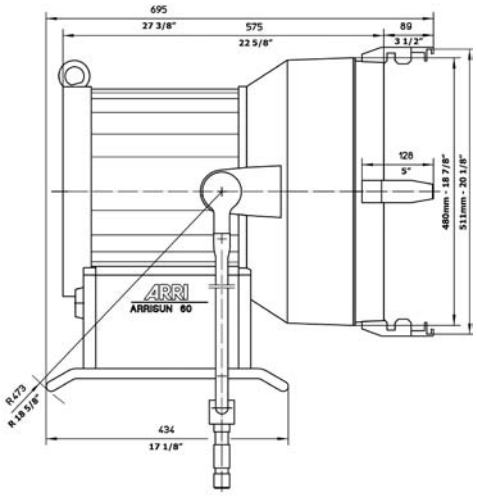
Photometric Data w/4000W Lamp: Beam Diameter

Distance	35 ft. (10.7 m)	40 ft. (12.2 m)	60 ft. (18.3 m)	80 ft. (24.4 m)
Super Spot/No Lens				
Spot (5°)	3.1 ft. (0.9 m)	3.5 ft. (1.1 m)	5.2 ft. (1.6 m)	7.0 ft. (2.1 m)
Spot Lens				
Spot (7°)	4.3 ft. (1.3 m)	4.9 ft. (1.5 m)	7.3 ft. (2.2 m)	9.8 ft. (3.0 m)
Medium (10°)	6.1 ft. (1.9 m)	7.0 ft. (2.1 m)	10.5 ft. (3.2 m)	14.0 ft. (4.3 m)
Flood (15°)	9.2 ft. (2.8 m)	10.5 ft. (3.2 m)	15.8 ft. (4.8 m)	21.1 ft. (6.4 m)
Medium Lens				
Spot (10° x 19°)	6.1 x 11.7 ft.	7.0 x 13.4 ft.	10.5 x 20.1 ft.	14.0 x 26.8 ft.
	1.9 x 3.6 m	2.1 x 4.1 m	3.2 x 6.1 m	4.3 x 8.2 m
Medium (18° x 21°)	11.1 x 13.0 ft.	12.7 x 14.8 ft.	19.0 x 22.2 ft.	25.3 x 29.7 ft.
	3.4 x 4.0 m	3.9 x 4.5 m	5.8 x 6.8 m	7.7 x 9.1 m
Flood (19° x 23°)	11.7 x 14.2 ft.	13.4 x 16.3 ft.	20.1 x 24.4 ft.	26.8 x 32.6 ft.
	3.6 x 4.3 m	4.1 x 5.0 m	6.1 x 7.4 m	8.2 x 9.9 m
Wide Lens				
Spot (18° x 26°)	11.1 x 16.2 ft.	12.7 x 18.5 ft.	19.0 x 27.7 ft.	25.3 x 36.9 ft.
	3.4 x 4.9 m	3.9 x 5.6 m	5.8 x 8.4 m	7.7 x 11.2 m
Medium (19° x 35°)	11.7 x 22.1 ft.	13.4 x 25.2 ft.	20.1 x 37.8 ft.	26.8 x 50.4 ft.
	3.6 x 6.7 m	4.1 x 7.7 m	6.1 x 11.5 m	8.2 x 15.4 m
Flood (20° x 43°)	12.3 x 27.6 ft.	14.1 x 31.5 ft.	21.2 x 47.3 ft.	28.2 x 63.0 ft.
	3.7 x 8.4 m	4.3 x 9.6 m	6.5 x 14.4 m	8.6 x 19.2 m
Super Wide Lens				
Spot (41°)	26.2 ft. (8.0 m)	29.9 ft. (9.1 m)	44.9 ft. (13.7 m)	59.8 ft. (18.2 m)
Medium (45°)	29.0 ft. (8.8 m)	33.1 ft. (10.1 m)	49.7 ft. (15.1 m)	66.3 ft. (20.2 m)
Flood (53°)	34.9 ft. (10.6 m)	39.9 ft. (12.2 m)	59.8 ft. (18.2 m)	79.8 ft. (24.3 m)
Frosted Lens				
Spot (39°)	24.8 ft. (7.6 m)	28.3 ft. (8.6 m)	42.5 ft. (13.0 m)	56.7 ft. (17.3 m)
Medium (45°)	29.0 ft. (8.8 m)	33.1 ft. (10.1 m)	49.7 ft. (15.1 m)	66.3 ft. (20.2 m)
Flood (52°)	34.1 ft. (10.4 m)	39.0 ft. (11.9 m)	58.5 ft. (17.8 m)	78.0 ft. (23.8 m)

Super Spot/No Lens Performance at any distance:	
Footcandles (or lux) = 10,251,000 ÷ Distance^2	Beam Diameter = Distance x 0.09
Spot Lens Performance at any distance:	
Footcandles (or lux) = 3,400,600 ÷ Distance^2	Beam Diameter = Distance x 0.18
Medium Lens Performance at any distance:	
Footcandles (or lux) = 1,272,775 ÷ Distance^2	Beam Diameter = Distance x 0.32
	Beam Diameter = Distance x 0.37
Wide Lens Performance at any distance:	
Footcandles (or lux) = 650,475 ÷ Distance^2	Beam Diameter = Distance x 0.34
	Beam Diameter = Distance x 0.63
Super Wide Lens Performance at any distance:	
Footcandles (or lux) = 357,700 ÷ Distance^2	Beam Diameter = Distance x 0.83
Frosted Lens Performance at any distance:	
Footcandles (or lux) = 226,625 ÷ Distance^2	Beam Diameter = Distance x 0.83

ARRISUN 60





Cat. No.	Description
560300	ARRISUN 60
560201	25 ft. Head/Ballast Cable
560202	50 ft. Head/Ballast Cable
560203	100 ft. Head/Ballast Cable
560335	Lens Set (Spot, Medium, Wide, Super Wide, Frosted)
560396	Lens Case
533110	Four Leaf Barndoor
560245	6000W Single Ended HMI Lamp
533150	19 1/2" Full Single Scrim
533152	19 1/2" Full Double Scrim
571718	Scrim Bag
853276	Safety Cable
560817	6000W Electronic Ballast w/ALF
560815	6000/12000W Electronic Ballast w/DMX & ALF
560890	Ballast Cart
560391	Lamphead Case
560922	Electronic Ballast Case (6000/12000W)
525921	Electronic Ballast Case (6000W)

Specifications

Weight	62 lbs. (28.1 kg)
Reflector	High purity aluminum parabolic
Lampholder	G38 High Voltage
Mounting	1 1/8" (29 mm) stand mount

For Ballast Specifications see Ballast Section

ARRISUN 60

Photometric Data: Footcandles

Distance	40 ft. (12.2 m)	60 ft. (18.3 m)	80 ft. (24.4 m)	100 ft. (30.5 m)
Super Spot/No Lens				
Spot (7°)	10282	4570	2571	1645
Spot Lens				
Spot (8°)	6891	3063	1723	1103
Medium (11°)	3110	1382	777	498
Flood (14°)	2453	1090	613	393
Medium Lens				
Spot (10° x 19°)	2641	1174	660	423
Medium (16° x 23°)	1338	595	335	214
Flood (22° x 27°)	1017	452	254	163
Wide Lens				
Spot (18° x 35°)	1008	448	252	161
Medium (24° x 41°)	664	295	166	106
Flood (33° x 46°)	438	194	109	70
Super Wide Lens				
Spot (40°)	538	239	134	86
Medium (45°)	433	192	108	69
Flood (50°)	270	120	68	43
Frosted Lens				
Spot (39°)	322	143	80	52
Medium (46°)	224	100	56	36
Flood (55°)	173	77	43	28

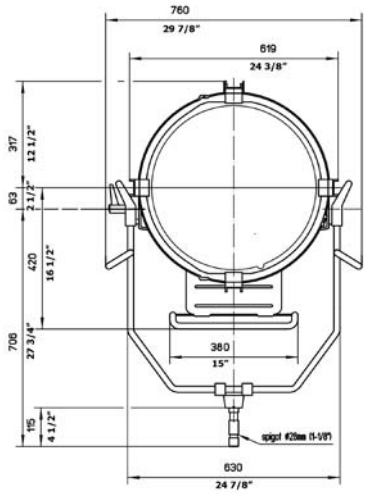
In addition to using spread lenses, ARRISUN fixtures can be focused over a wide range. This data shows spot, medium and flood performance for each lens. The table showing "performance at any distance" is based on medium focus. For additional data see the Photometric Calculator at www.arri.de/prod/lighting/calculator

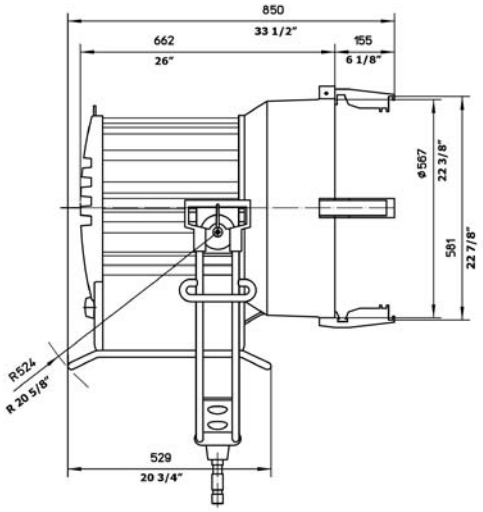
Photometric Data: Beam Diameter

Distance	40 ft. (12.2 m)	60 ft. (18.3 m)	80 ft. (24.4 m)	100 ft. (30.5 m)
Super Spot/No Lens				
Spot (7°)	4.9 ft. (1.5 m)	7.3 ft. (2.2 m)	9.8 ft. (3.0 m)	12.2 ft. (3.7 m)
Spot Lens				
Spot (8°)	5.6 ft. (1.7 m)	8.4 ft. (2.6 m)	11.2 ft. (3.4 m)	14.0 ft. (4.3 m)
Medium (11°)	7.7 ft. (2.3 m)	11.6 ft. (3.5 m)	15.4 ft. (4.7 m)	19.3 ft. (5.9 m)
Flood (14°)	9.8 ft. (3.0 m)	14.7 ft. (4.5 m)	19.6 ft. (6.0 m)	24.6 ft. (7.5 m)
Medium Lens				
Spot (10° x 19°)	7.0 x 13.4 ft.	10.5 x 20.1 ft.	14.0 x 26.8 ft.	17.5 x 33.5 ft.
	2.1 x 4.1 m	3.2 x 6.1 m	4.3 x 8.2 m	5.3 x 10.2 m
Medium (16° x 23°)	11.2 x 16.3 ft.	16.9 x 24.4 ft.	22.5 x 32.6 ft.	28.1 x 40.7 ft.
	3.4 x 5.0 m	5.2 x 7.4 m	6.9 x 9.9 m	8.6 x 12.4 m
Flood (22° x 27°)	15.6 x 19.2 ft.	23.3 x 28.8 ft.	31.1 x 38.4 ft.	38.9 x 48.0 ft.
	4.8 x 5.9 m	7.1 x 8.8 m	9.5 x 11.7 m	11.9 x 14.6 m
Wide Lens				
Spot (18° x 35°)	12.7 x 25.2 ft.	19.0 x 37.8 ft.	25.3 x 50.4 ft.	31.7 x 63.1 ft.
	3.9 x 7.7 m	5.8 x 11.5 m	7.7 x 15.4 m	9.7 x 19.2 m
Medium (24° x 41°)	17.0 x 29.9 ft.	25.5 x 44.9 ft.	34.0 x 59.8 ft.	42.5 x 74.8 ft.
	5.2 x 9.1 m	7.8 x 13.7 m	10.4 x 18.2 m	13.0 x 22.8 m
Flood (33° x 46°)	23.7 x 34.0 ft.	35.5 x 50.9 ft.	47.4 x 67.9 ft.	59.2 x 84.9 ft.
	7.2 x 10.4 m	10.8 x 15.5 m	14.4 x 20.7 m	18.0 x 25.9 m
Super Wide Lens				
Spot (40°)	29.1 ft. (8.9 m)	43.7 ft. (13.3 m)	58.2 ft. (17.7 m)	72.8 ft. (22.2 m)
Medium (45°)	33.1 ft. (10.1 m)	49.7 ft. (15.1 m)	66.3 ft. (20.2 m)	82.8 ft. (25.2 m)
Flood (50°)	37.3 ft. (11.4 m)	56.0 ft. (17.1 m)	74.6 ft. (22.7 m)	93.3 ft. (28.4 m)
Frosted Lens				
Spot (39°)	28.3 ft. (8.6 m)	42.5 ft. (13.0 m)	56.7 ft. (17.3 m)	70.8 ft. (21.6 m)
Medium (46°)	34.0 ft. (10.4 m)	50.9 ft. (15.5 m)	67.9 ft. (20.7 m)	84.9 ft. (25.9 m)
Flood (55°)	41.6 ft. (12.7 m)	62.5 ft. (19.1 m)	83.3 ft. (25.4 m)	104.1 ft. (31.7 m)

Super Spot/No Lens Performance at any distance:	
Footcandles (or lux) = 16,450,000 ÷ Distance^2	Beam Diameter = Distance x 0.12
Spot Lens Performance at any distance:	
Footcandles (or lux) = 4,976,000 ÷ Distance^2	Beam Diameter = Distance x 0.19
Medium Lens Performance at any distance:	
Footcandles (or lux) = 2,140,800 ÷ Distance^2	Beam Diameter = Distance x 0.28
	Beam Diameter = Distance x 0.41
Wide Lens Performance at any distance:	
Footcandles (or lux) = 1,062,400 ÷ Distance^2	Beam Diameter = Distance x 0.43
	Beam Diameter = Distance x 0.75
Super Wide Lens Performance at any distance:	
Footcandles (or lux) =692,800 ÷ Distance^2	Beam Diameter = Distance x 0.83
Frosted Lens Performance at any distance:	
Footcandles (or lux) = 358,400 ÷ Distance^2	Beam Diameter = Distance x 0.85

ARRISUN 120





Cat. No.	Description
562300	ARRISUN 120
562202	50 ft. Head/Ballast Cable
562201	100 ft. Head/Ballast Cable
562325	Lens Set (Spot, Medium, Wide, Super Wide, Frosted)
562395	Lens Case
562310	Four Leaf Barndoor
562245	12000W Single Ended HMI Lamp
540250	21" Full Single Scrim
540252	21" Full Double Scrim
571718	Scrim Bag
853276	Safety Cable
560815	6000/12000W Electronic Ballast w/DMX & ALF
562814	12000/18000W Electronic Ballast w/DMX & ALF*
560890	Ballast Cart*
562390	Lamphead Case with Casters
560922	Electronic Ballast Case (6000/12000W)

Specifications

Weight	102 lbs. (46.3 kg)
Reflector	High purity aluminum parabolic
Lampholder	G38 High Voltage
Mounting	1 1/8" (29 mm) stand mount

*12000/18000W EB includes detachable ballast cart

* Cart may be ordered separately for 6000/12000W EB

For Ballast Specifications see Ballast Section

ARRISUN 120

Photometric Data: Footcandles

Distance	50 ft. (15.2 m)	75 ft. (22.9 m)	100 ft. (30. 5m)	125 ft. (38.1 m)
Super Spot/No Lens				
Spot (7°)	11401	5067	2850	1824
Spot Lens				
Spot (10°)	6561	2916	1640	1050
Medium (13°)	3568	1586	892	571
Flood (16°)	2696	1198	674	431
Medium Lens				
Spot (11° x 29°)	2260	1005	565	362
Medium (18° x 31°)	1320	587	330	211
Flood (21° x 34°)	1036	460	259	166
Wide Lens				
Spot (20° x 33°)	732	325	183	117
Medium (28° x 47°)	620	276	155	99
Flood (37° x 58°)	381	169	95	61
Super Wide Lens				
Spot (43°)	400	178	100	64
Medium (46°)	262	116	66	42
Flood (58°)	241	107	60	39
Frosted Lens				
Spot (38°)	348	155	87	56
Medium (47°)	252	112	63	40
Flood (57°)	172	76	43	28

In addition to using spread lenses, ARRISUN fixtures can be focused over a wide range. This data shows spot, medium and flood performance for each lens. The table showing "performance at any distance" is based on medium focus. For additional data see the Photometric Calculator at www.arri.de/prod/lighting/calculator

Photometric Data: Beam Diameter

Distance	50 ft. (15.2 m)	75 ft. (22.9 m)	100 ft. (30.5 m)	125 ft. (38.1 m)
Super Spot/No Lens				
Spot (7°)	6.1 ft. (1.9 m)	9.2 ft. (2.8 m)	12.2 ft. (3.7 m)	15.3 ft. (4.7 m)
Spot Lens				
Spot (10°)	8.7 ft. (2.7 m)	13.1 ft. (4.0 m)	17.5 ft. (5.3 m)	21.9 ft. (6.7 m)
Medium (13°)	11.4 ft. (3.5 m)	17.1 ft. (5.2 m)	22.8 ft. (6.9 m)	28.5 ft. (8.7 m)
Flood (16°)	14.1 ft. (4.3 m)	21.1 ft. (6.4 m)	28.1 ft. (8.6 m)	35.1 ft. (10.7 m)
Medium Lens				
Spot (11° x 29°)	9.6 x 25.9 ft.	14.4 x 38.8 ft.	19.3 x 51.7 ft.	24.1 x 64.7 ft.
	2.9 x 7.9 m	4.4 x 11.8 m	5.9 x 15.8 m	7.3 x 19.7 m
Medium (18° x 31°)	15.8 x 27.7 ft.	23.8 x 41.6 ft.	31.7 x 55.5 ft.	39.6 x 69.3 ft.
	4.8 x 8.4 m	7.3 x 12.7 m	9.7 x 16.9 m	12.1 x 21.1 m
Flood (21° x 34°)	18.5 x 30.6 ft.	27.8 x 45.9 ft.	37.1 x 61.1 ft.	46.3 x 76.4 ft.
	5.6 x 9.3 m	8.5 x 14.0 m	11.3 x 18.6 m	14.1 x 23.3 m
Wide Lens				
Spot (20° x 33°)	17.6 x 29.6 ft.	26.4 x 44.4 ft.	35.3 x 59.2 ft.	44.1 x 74.1 ft.
	5.4 x 9.0 m	8.0 x 13.5 m	10.8 x 18.0 m	13.4 x 22.6 m
Medium (28° x 47°)	24.9 x 43.5 ft.	37.4 x 65.2 ft.	49.9 x 87.0 ft.	62.3 x 108.7 ft.
	7.6 x 13.3 m	11.4 x 19.9 m	15.2 x 26.5 m	19.0 x 33.1 m
Flood (37° x 58°)	33.5 x 55.4 ft.	50.2 x 83.1 ft.	66.9 x 110.9 ft.	83.6 x 138.6 ft.
	10.2 x 16.9 m	15.3 x 25.3 m	20.4 x 33.8 m	25.5 x 42.2 m
Super Wide Lens				
Spot (43°)	39.4 ft. (12.0 m)	59.1 ft. (18.0 m)	78.8 ft. (24.0 m)	98.5 ft. (30.0 m)
Medium (46°)	42.4 ft. (12.9 m)	63.7 ft. (19.4 m)	84.9 ft. (25.9 m)	106.1 ft. (32.3 m)
Flood (58°)	55.4 ft. (16.9 m)	83.1 ft. (25.3 m)	110.9 ft. (33.8 m)	138.6 ft. (42.2 m)
Frosted Lens				
Spot (38°)	34.4 ft. (10.5 m)	51.6 ft. (15.7 m)	68.9 ft. (21.0 m)	86.1 ft. (26.2 m)
Medium (47°)	43.5 ft. (13.3 m)	65.2 ft. (19.9 m)	87.0 ft. (26.5 m)	108.7 ft. (33.1 m)
Flood (57°)	54.3 ft. (16.6 m)	81.4 ft. (24.8 m)	108.6 ft. (33.1 m)	135.7 ft. (41.4 m)

Super Spot/No Lens Performance at any distance:	
Footcandles (or lux) = 28,500,000 ÷ Distance^2	Beam Diameter = Distance x 0.12
Spot Lens Performance at any distance:	
Footcandles (or lux) = 8,920,000 ÷ Distance^2	Beam Diameter = Distance x 0.23
Medium Lens Performance at any distance:	
Footcandles (or lux) = 3,300,000 ÷ Distance^2	Beam Diameter = Distance x 0.32
	Beam Diameter = Distance x 0.56
Wide Lens Performance at any distance:	
Footcandles (or lux) = 1,550,000 ÷ Distance^2	Beam Diameter = Distance x 0.50
	Beam Diameter = Distance x 0.87
Super Wide Lens Performance at any distance:	
Footcandles (or lux) = 655,000 ÷ Distance^2	Beam Diameter = Distance x 0.85
Frosted Lens Performance at any distance:	
Footcandles (or lux) = 630,000 ÷ Distance^2	Beam Diameter = Distance x 0.87

ARRIMAX

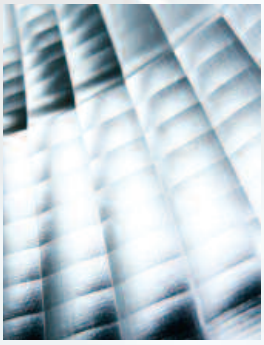
ARRIMAX

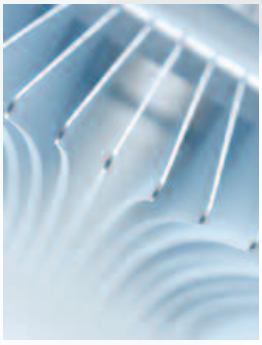
Truly "The Most Powerful HMI Light On The Planet" the ARRIMAX 18/12 combines the variable beam spread of a Fresnel fixture and the light output of a PAR fixture. The ARRIMAX uses a unique multi-faceted reflector that eliminates the need for spread lenses. This powerful unit produces a shadow quality that is crisp, clean and sharp, similar to that of vintage carbon arc fixtures. An optional Spot Reflector with a beam angle of 8-15o produces an astonishing 11,570 FC at 50 feet which is brighter than the noon day sun.

ARRIMAX 18/12

THE MOST POWERFUL HMI LIGHT ON THE PLANET

ARRI





At a Glance:

ARRIMAX 18/12

- 50% brighter than a 12kW PAR
- Lensless design
- Arc-like shadow quality
- 15° to 50° beam angle: Standard Reflector
- 8° to 15° beam angle: Spot Reflector
- Easy Relamping
- Superior lamp support
- Supports lamps with GX51 or GX38 base
- Uses 18kW SE or 12kW SE lamps
- MaxMover Automated Stirrup (optional)

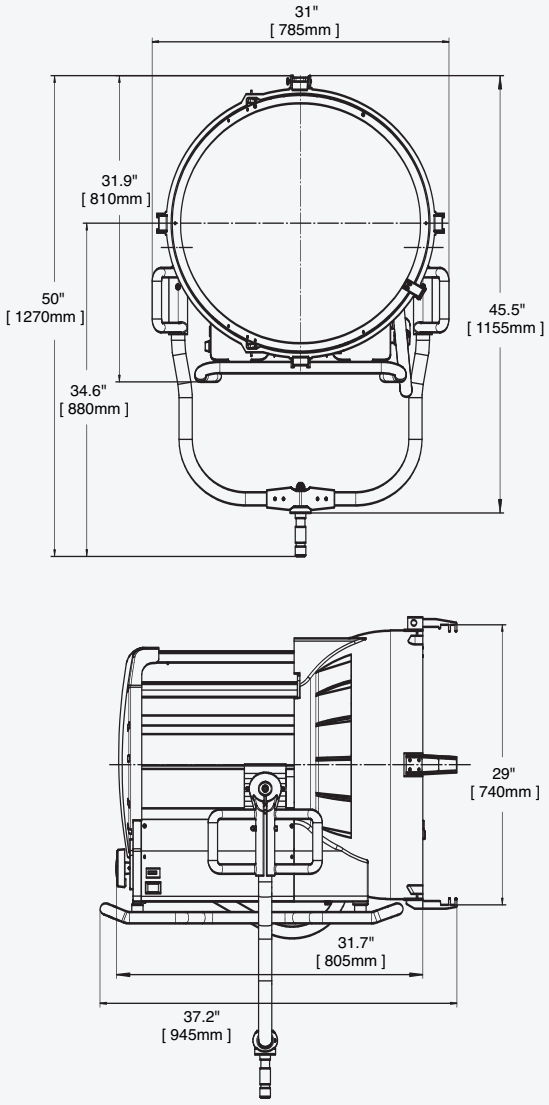
ARRIMAX Ballast

- 12/18kW—Auto Detection
- Input Voltage Regulation
- Input Frequency Regulation
- Active Line Filter (ALF)
- DMX control option
- 12/18kW power indication
- Dimming to 50% (1 Stop)
- Low Noise Mode (50/60Hz)
- Flicker Free Mode

ARRIMAX 18/12

THE MOST POWERFUL HMI LIGHT ON THE PLANET

ARRI's exciting new fixture provides an optimum choice for productions requiring maximum light output. Combining the variable beam spread of a Fresnel and the light output of a PAR, the ARRIMAX uses a unique reflector concept for beam control that eliminates the need for spread lenses.



Cat. No.	Description
563500	ARRIMAX 18/12
563524	Spot Reflector
562202	50ft. Head/Ballast Cable
562201	100ft. Head/Ballast Cable
563210	Four Leaf Barndoor
563220	Filter Frame
563230	Snoot
563245	18,000 Single Ended HMI Lamp
562245	12,000 Single Ended HMI Lamp
533250	29" Full Single Scrim
533251	29" Half Single Scrim
533252	29" Full Double Scrim
533253	29" Half Double Scrim
533256	29" Quarter Single Scrim
533257	29" Quarter Double Scrim
571720	Scrim Bag
562814	ARRIMAX 18/12 Electronic Ballast (220V 50/60Hz)
563590	ARRIMAX 18/12 Case
563920	ARRIMAX 18/12 Electronic Ballast Case
563700	MaxMover System with Remote and Case
563705	MaxMover Focus Unit

Photometric Data 18,000W SE Lamp

Distance	30ft	50ft	100ft	150ft
	9.1m	15.2m	30.4m	45.7m
Spot Focus: Beam Angle: 15°				
Footcandles	14,440fc	5,198fc	1,300fc	578fc
Beam Diameter	7.9ft	13.2ft	26.3ft	39.5ft
	2.4m	4m	8m	12m
Flood Focus: Beam Angle 50°				
Footcandles	1,495fc	538fc	135fc	60fc
Beam Diameter	28ft	46.7ft	93.3ft	140ft
	8.5m	14.2m	28.4m	42.6m

Spot Performance at any distance	
Footcandles (or lux) equals 12,996,000 divided by Distance^2	Beam Diameter = Distance x .263
Flood Performance at any distance	
Footcandles (or lux) equals 1,345,900 divided by Distance^2	Beam Diameter = Distance x .933

Specifications

Weight	143lb (65kg)
Reflector	ARRI, multi-faceted, paraboloidal-ellipsoidal shaped using high purity aluminum
Lampholder	ARRI spring loaded lampholder and base support clamping mechanism for GX38 and GX51 lamp bases
Mounting	1 1/8 (29mm) stand mount
Ballast	See ARRI Electronic Ballast Brochure

T 2.8 AT 500 FEET | 400 ASA | 24 FPS

ONE ARRIMAX

ARRIMAX 18/12

ARRISUN 120

AD 18/12 PLUS

fc @ 30 ft	ARRIMAX 18/12		ARRISUN 120 w/Spot & Super wide lens		AD 18/12 PLUS	
	fc	Beam Angle	fc	Beam Angle	fc	Beam Angle
Spot	14,440	15°	8,241	15°	5,830	15°
Flood	1,495	50°	1,177	50°	1,106	50°

lux @ 10 m	ARRIMAX 18/12		ARRISUN 120 w/Spot & Super wide lens		AD 18/12 PLUS	
	lux	Beam Angle	lux	Beam Angle	lux	Beam Angle
Spot	129,960	15°	74,171	15°	52,477	15°
Flood	13,459	50°	10,589	50°	9,955	50°

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MAXMOVER

ARRI

MAXMOVER

ARRI's new automated stirrup, the MaxMover, offers remote pan, tilt and focus for large lighting fixtures mounted high in the air or in other hard-to-reach positions. Most large fixtures can be fitted to the MaxMover and operated safely and conveniently from the ground using a simple analog or optional DMX (wired or wireless) control.

MaxMover

ARRI

MaxMover

A new ARRI automated stirrup, MaxMover, offers remote pan, tilt and focus for large lighting fixtures. Most large fixtures in your inventory can be fitted to the MaxMover and mounted on boom arms, tall platforms, or in hard-to-reach positions. These fixtures can then be operated safely and conveniently from the ground using a simple analog or optional DMX (wired or wireless) control. A convenient interlock system and variable width adjustment feature allow for a variety of fixtures to be adapted to the MaxMover quickly on location.

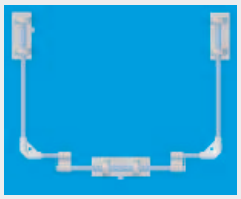
At a Glance:

- Automated Stirrup with Universal Adapter Plate
- Variable Width Adjustment
- Accommodates Fixtures from 6kW-24kW
- Quick & Easy Set-up
- 80kg/176lb Capacity
- Remote Control included
- DMX Converter optional

Cat. No	Description
563700	MaxMover; motorized stirrup (for 6kW-24kW ARRI lampheads), includes Universal ARRI Adapter plate, Mega-Claw™ mount, and ARRI analog controller for Pan, Tilt & Focus with 130' (40m) control cable. Includes Roadcase.
563705	MaxMover Focus Unit; for 6kW-24kW ARRI lampheads
563710	DMX 512 Converter Control Box
563711	25' DMX Control Cable
563712	50' DMX Control Cable
563713	100' DMX Control Cable
563714	5' DMX Control Cable
563715	DMX 512 Hand Controller
563720	Adapter Plate for ARRISUN 60
563725	Adapter Plate for LTM 12/18kW Fresnel
563726	Adapter Plate for Mole 12/18kW Fresnel
563727	Adapter Plate for "Silver Bullet" 12/18kW Fresnel
563735	Adapter Plate for 12-Light Maxi Brute
563740	Mitchell Adapter Mount Plate
563790	Roadcase for MaxMover and Accessories (Included in 563700)

Specifications

Weight	82lb (37kg)
Size	Height 38'' (965mm), Width 45.7'' (1160mm), Depth 11.8'' (300mm)
IP Rating	IP54 / Protection class 1
Power Requirements	90-265V AC, 50/60Hz, 100VA
Max. Load	176lb (80kg)
Max. Fixture Width	34.6'' (0.88m)
Min. Fixture Width	21.2'' (0.54m)
Max. Speed: Pan/Tilt	360° /min. (1 rpm)
Min. Speed: Pan/Tilt	12.6° /min (0.035 rpm)
Max. Speed: Focus	16 rpm
Pivot Range: Pan	Infinite: Adjustable slipping clutch stop (0-80Nm)
Pivot Range: Tilt	Infinite: Adjustable slipping clutch stop (0-80Nm)
Pivot Range: Focus	Infinite: Current overload/torque stops (5Nm)
Analog Controller	ARRI Analog Controller for Pan, Tilt, & Focus (Standard)
DMX Controller	Addressable Hand Controller (Optional)
DMX Interface	DMX 512 Converter Control Box (Optional)
DMX Address	Converter Box Assignment Buttons (Up/Down)
DMX Display	Converter Box Address Display Window



For Use With:

ARRIMAX 18/12
ARRI 18/12 HMI Fresnel
ARRI 12000 HMI Fresnel
ARRI 6000 HMI Fresnel
ARRI 6000 Theatre Fresnel
ARRISUN 120
ARRISUN 60
(needs 563720)
ARRI X 60
ARRI T24
ARRI T12
ARRI T12 Theatre
LTM 12/18 Fresnel
(needs 563725)
Mole 12/18 Fresnel
(needs 563726)
"Silver Bullet" 12/18 Fresnel
(needs 563727)
12-Light Maxi Brute
(needs 563735)

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ARRI X HMI

ARRI X HMI

ARRI X HMIs from 200W to 6000W use a unique reflector system to produce a wide 130˚ beam spread. ARRI X Lights create a beautiful soft source that can work in tight spaces as bounce light or filling a diffuser. Used directly, the ARRI X creates hard shadows. An optional 'black reflector' eliminates secondary shadows for a true crisp hard edge single 'specular edge transfer'.

ARRI X2

Cat. No.	Description
502400	ARRI X2
502201	25 ft. Head/Ballast Cable
502202	50 ft. Head/Ballast Cable
502410	Four Leaf Barndoor
502421	Frosted Glass Diffuser
502424	Black Reflector
502245	200W Single Ended HMI Lamp
502806	125/200W Electronic Ballast
502808	125/200W DC Electronic Ballast
502490	Lamphead Case

Photometric Data

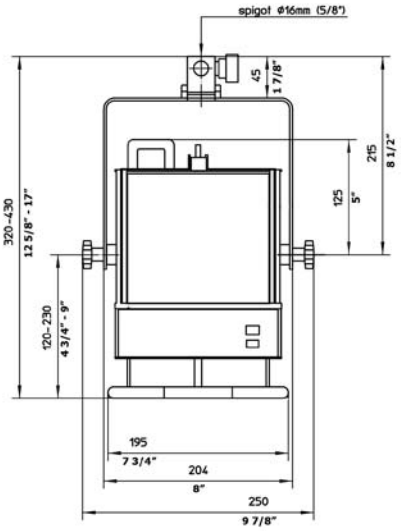
Distance	5 ft. (1.5 m)	10 ft. (3.0 m)	15 ft. (4.6 m)	20 ft. (6.1 m)
Beam (120°)				
Footcandles	126	32	14	8
Beam Diameter	17.3 ft. (5.3 m)	34.6 ft. (10.5 m)	52.0 ft. (15.8 m)	69.3 ft. (21.1 m)

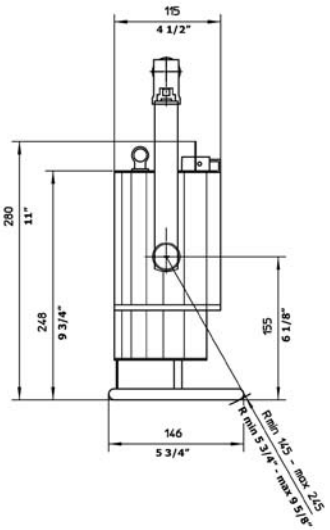
Performance at any distance:	
Footcandles (or lux) = 3,200 ÷ Distance^2	Beam Diameter = Distance x 3.47

Specifications

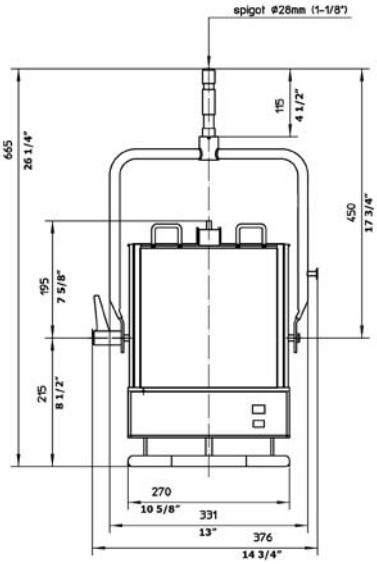
Weight	7 lbs. (3.2 kg)
Reflector	High purity aluminum
Lampholder	GZX 9.5 High Voltage
Mounting	5/8" (16 mm) stand mount
Safety Glass	Clear safety glass

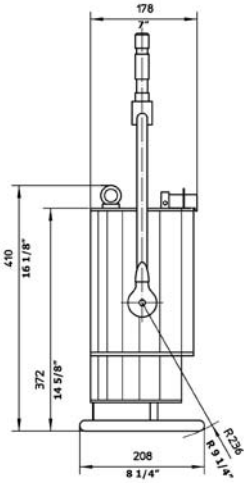
For Ballast Specifications see Ballast Section





ARRI X5





Cat. No.	Description
505400	ARRI X5
505203	25 ft. Head/Ballast Cable
505204	50 ft. Head/Ballast Cable
505201	100 ft. Head/Ballast Cable
505410	Four Leaf Barndoor
505421	Frosted Glass Diffuser
505424	Black Reflector
539425	Intensifier
539426	Chimera 1/4 Diffusion Screen (for Intensifier)
539428	Chimera 1/2 Diffusion Screen
539429	Chimera Full Diffusion Screen
539427	Chimera 50° Soft Egg Crate (for Intensifier)
505245	575W Single Ended HMI Lamp
504806	400/575W Electronic Ballast w/ALF
504807	400/575W Electronic Ballast w/DMX & ALF
505810	575/1200W Electronic Ballast w/DMX & ALF
505815	575/1200W Electronic Ballast w/DMX
505490	Lamphead Case
504920	Electronic Ballast Case (400/575W)
505921	Electronic Ballast Case (575/1200W)

Photometric Data

Distance	5 ft. (1.5 m)	10 ft. (3.0 m)	15 ft. (4.6 m)	20 ft. (6.1 m)
Beam (127°)				
Footcandles	320	80	36	20
Beam Diameter	20.1 ft. (6.1 m)	40.1 ft. (12.2 m)	60.2 ft. (18.3 m)	80.2 ft. (24.4 m)

Performance at any distance:	
Footcandles (or lux) = 8,000 ÷ Distance^2	Beam Diameter = Distance x 4.01

Specifications

Weight	16.6 lbs. (7.5 kg)
Reflector	High purity aluminum
Lampholder	G38 High Voltage
Mounting	5/8" (16 mm) stand mount
Safety Glass	Clear safety glass

For Ballast Specifications see Ballast Section

X5 INTENSIFIER & DIFFUSER

To create a great daylight softlight use the Intensifier and Diffuser with the ARRI X5

ARRI X12

Cat. No.	Description
512400	ARRI X12
505203	25 ft. Head/Ballast Cable
505204	50 ft. Head/Ballast Cable
505201	100 ft. Head/Ballast Cable
512410	Four Leaf Barndoor
512421	Frosted Glass Diffuser
512424	Black Reflector
512245	1200W Single Ended HMI Lamp
505810	575/1200W Electronic Ballast w/DMX & ALF
505815	575/1200W Electronic Ballast w/DMX
512490	Lamphead Case
505921	Electronic Ballast Case (575/1200W)

Photometric Data

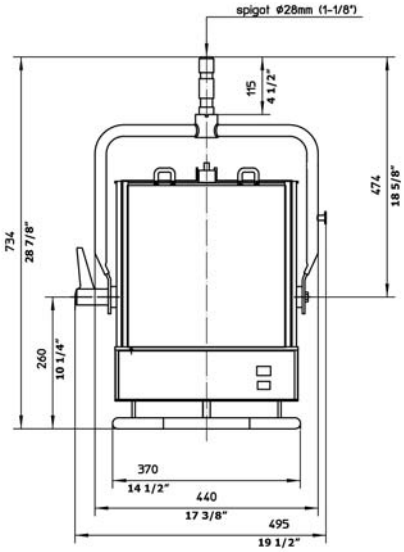
Distance	10 ft. (3.0 m)	15 ft. (4.6 m)	20 ft. (6.1 m)	25 ft. (7.6 m)	30 ft. (9.1 m)
Beam (128°)					
Footcandles	180	80	45	29	20
Beam Diameter	41.0 ft. (12.5 m)	61.5 ft. (18.7 m)	82.0 ft. (25.0 m)	102.5 ft. (31.2 m)	123.0 ft. (37.5 m)

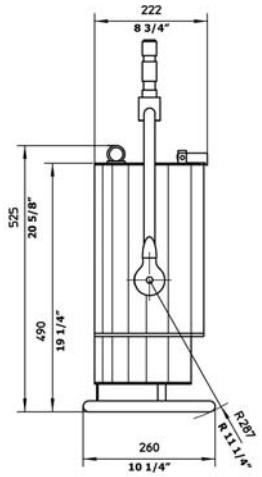
Performance at any distance:	
Footcandles (or lux) = 18,000 ÷ Distance^2	Beam Diameter = Distance x 4.1

Specifications

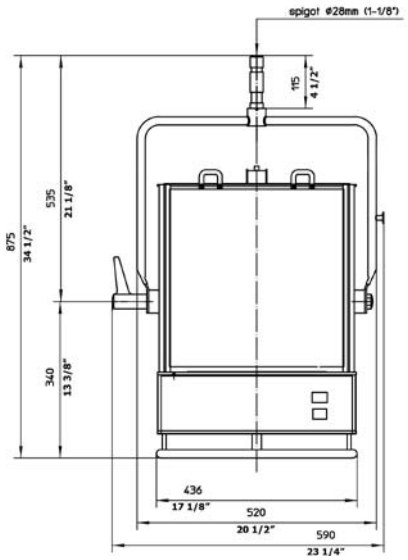
Weight	32 lbs. (14.5 kg)
Reflector	High purity aluminum
Lampholder	G38 High Voltage
Mounting	1 1/8" (29 mm) stand mount
Safety Glass	Clear safety glass

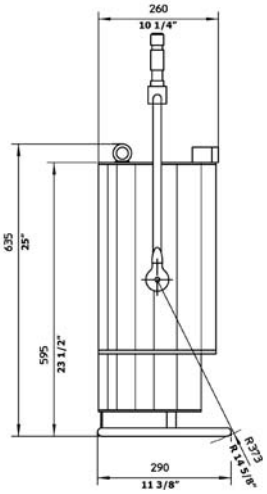
For Ballast Specifications see Ballast Section





ARRI X40/25





Cat. No.	Description
540400	ARRI X40/25
525203	25 ft. Head/Ballast Cable
525204	50 ft. Head/Ballast Cable
525201	100 ft. Head/Ballast Cable
540410	Four Leaf Barndoor
540421	Frosted Glass Diffuser
540424	Black Reflector
525245	2500W Single Ended HMI Lamp
540245	4000W Single Ended HMI Lamp
540817	2500/4000W Electronic Ballast w/DMX & ALF
540490	Lamphead Case
525921	Electronic Ballast Case (6000W)

Photometric Data

Distance	10 ft. (3.0 m)	15 ft. (4.6 m)	20 ft. (6.1 m)	25 ft. (7.6 m)	30 ft. (9.1 m)
Beam (130°) with 2500W Lamp					
Footcandles	417	185	104	67	46
Beam Diameter	42.9 ft. (13.1 m)	64.3 ft. (19.6 m)	85.8 ft. (26.2 m)	107.2 ft. (32.7 m)	128.7 ft. (39.2 m)

Performance at any distance:	
Footcandles (or lux) = 41,700 ÷ Distance^2	Beam Diameter = Distance x 4.29

Beam (128°) with 4000W Lamp					
Footcandles	630	280	158	101	70
Beam Diameter	41.0 ft. (12.5 m)	61.5 ft. (18.7 m)	82.0 ft. (25.0 m)	102.5 ft. (31.2 m)	123.0 ft. (37.5 m)

Performance at any distance:	
Footcandles (or lux) = 63,000 ÷ Distance^2	Beam Diameter = Distance x 4.1

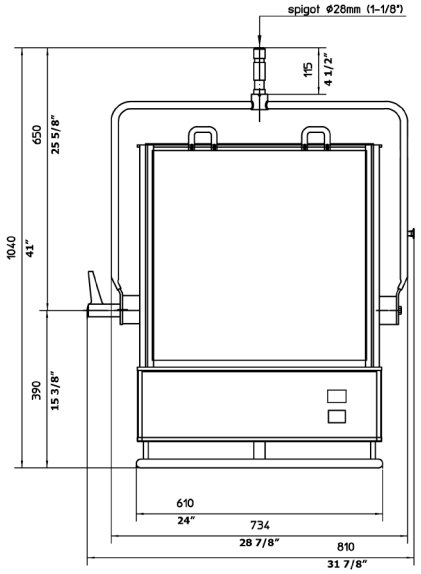
Specifications

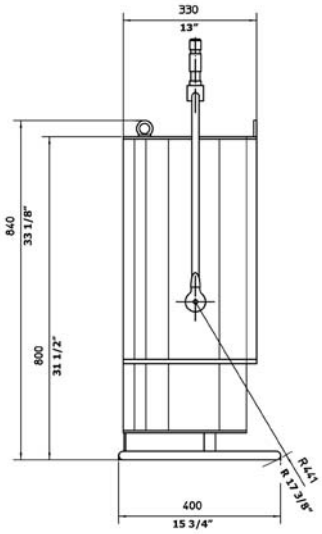
Weight	44 lbs. (20 kg)
Reflector	High purity aluminum
Lampholder	G38 High Voltage
Mounting	1 1/8" (29 mm) stand mount
Safety Glass	Clear safety glass

For Ballast Specifications see Ballast Section

ARRI X60

Cat. No.	Description
560400	ARRI X60
560201	25 ft. Head/Ballast Cable
560202	50 ft. Head/Ballast Cable
560203	100 ft. Head/Ballast Cable
560410	Four Leaf Barndoor
560421	Frosted Glass Diffuser
560424	Black Reflector
560245	6000W Single Ended HMI Lamp
560817	6000W Electronic Ballast w/ALF
560815	6000/12000W Electronic Ballast w/DMX & ALF
560890	Ballast Cart
560490	Lamphead Case w/Casters
560922	Electronic Ballast Case (6000/12000W)
525921	Electronic Ballast Case (6000W)





Photometric Data

Distance	10 ft. (3.0 m)	15 ft. (4.6 m)	20 ft. (6.1 m)	25 ft. (7.6 m)	30 ft. (9.1 m)
Beam (128°)					
Footcandles	1062	472	266	170	118
Beam Diameter	41.0 ft. (12.5 m)	61.5 ft. (18.7 m)	82.0 ft. (25.0 m)	102.5 ft. (31.2 m)	123.0 ft. (37.5 m)

Performance at any distance:	
Footcandles (or lux) = 106,200 ÷ Distance^2	Beam Diameter = Distance x 4.1

Specifications

Weight	76 lbs. (34.5 kg)
Reflector	High purity aluminum
Lampholder	G38 High Voltage
Mounting	1 1/8" (29 mm) stand mount
Safety Glass	Clear safety glass

For Ballast Specifications see Ballast Section

ARRI ELECTRONIC BALLASTS

ARRI ELECTRONIC BALLASTS

ARRI Electronic Ballasts (EBs) are the most reliable HMI ballasts available. With active and stable lamp current regulation, ARRI EBs can increase lamp life up to 20% and increase luminous efficiencies by at least 5%. In addition, the ARRI EB operates in flicker free mode for off speed shooting or can switch to low noise mode to reduce audible noise from the lamp or igniter.

With more than 20 years experience devoted to the design and manufacture of Electronic Ballasts, ARRI provides the most stable and reliable technology available. Easy serviceability, a large spare parts inventory and a world-wide service network minimizes 'downtime'.

In addition to individual 'stand-alone' ballasts from 125W to 18kW, ARRI provides rack-mounted ballast technology. Multi-Function, Event and 'Boost' Ballasts are available for film location and very high speed industrial and scientific applications.

ALF AND POWER FACTOR CORRECTION

Active Line Filtering (ALF) in HMI ballasts provides a higher Power Factor resulting in more efficient power use. This is accomplished by shifting the voltage and current waveforms in phase and minimizing harmonics and spikes. ALF also minimizes current carried back on the neutral leg of power systems.

For the operation of electronic equipment, mains supply or generator has to supply the APPARENT POWER. This apparent power consists of LAMP POWER, POWER LOSS, and REACTIVE POWER.

APPARENT POWER WITH AND WITHOUT POWER FACTOR CORRECTION

Lamp Power	Apparent Power — No Power Factor Correction	Apparent Power — With Power Factor Correction
125 W	—	150 VA
200 W	—	240 VA
400 W	—	465 VA
575 W	1100 VA	670 VA
1200 W	2290 VA	1390 VA
2500 W	3900 VA	2900 VA
4000 W	6200 VA	4650 VA
6000 W	9600 VA	6900 VA
12000 W	18000 VA	13200 VA
18000 W	—	19400 VA

GENERATOR SUPPLY

Electronic Ballasts act as an active load on any generator. What this means is that during strike or hot re-strike of a lamp, nominal power is immediately required from the source. If, at that moment, the voltage of the generator decreases, the control unit of the Electronic Ballast will try to get a higher current to keep the required power on a constant level. This situation can cause an oscillation between the generator and Electronic ballast causing the ballast to shut down.

This problem mostly occurs in combination with 575W-4000W EB's and small generators (5500W & 6500W) commonly used on film sets. The biggest problem with these small generators is that the voltage is not constant unless they have a load on them; in most cases you can plug in a small load such as an ARRI 300W lamp which will act as a shunt and stabilize the voltage. By maintaining a constant voltage there is less chance of the oscillation to occur.

The best solution is to use Electronic Ballasts with ALF (Active Line Filter) which ARRI offers from 125W to 18000W. The control unit of the ALF Ballasts are much more energy efficient and works well with all ranges of generators.

BALLAST OPERATING TEMPERATURES

ARRI Ballasts are rated to operate at ambient temperatures up to 122˚ F (50˚ C). However, temperatures can rise very quickly if the ballasts are in a confined area or placed directly on hot sand or pavement. In hot weather conditions, be sure ballasts are well ventilated and, if possible, in the shade and up off of the ground.

HEAD/BALLAST CABLE MAINTENANCE

Routine maintenance of Head/Ballast cables and connectors will reduce the incidence of ballast failures. Check connector pins for signs of overheating and open the connector shell to make certain that the crimp connections are in good condition.

MAXIMUM HEAD/BALLAST CABLE LENGTH

We are often asked "what is the maximum head/ballast cable length that I can use with my HMI system?" This is not a simple question to answer since you must take many things into consideration when trying to calculate line loss:

1. Is the cable in good condition (no kinked, broken or bad wires)?
2. Are the connectors in good condition (no sign of overheated or corroded pins and all 'crimp' connections still secure?)

For example if you had one piece of 200' (60 meter) cable with good connections on both ends you would be fine. However, if the same 200' (60 meter) run was done with four 50' (15 meter) cable and two of them had bad connectors, there would be sufficient line loss to cause a problem between the ballast and fixture.

For this reason we recommend a maximum cable length of no more than 150' (46 meters). This recommendation takes into consideration that the cable and connectors are all in good condition.

DIMMING HMI LAMPS

ARRI ballasts will dim HMI lamps approximately 50% with a slight increase in color temperature. (Opposite to what you would expect on a tungsten fixture.) Some gaffers use this function to balance color temperature between different lamps or to compensate for the drop in color temperature as the lamp ages. Mechanical dimmer shutters are available from several manufacturers for situations that require dimming beyond 50%.

DMX CONTROL FOR ARRI BALLASTS

ARRI ballasts are equipped with DMX control for on/off and dimming functions. This feature utilizes two DMX channels. The ballast indicator displays the channel controlling dimming and the next numerical channel controls the on/off function.

HMI LOAD CALCULATIONS

To obtain proper load calculations for HMI lights, we cannot use the simple formula **W=V x A**. Consult your ARRI Lighting Fixture Guide or reference the formulas available within the article included in this section of this catalog.

FLICKER FREE FILMING MODE

Extreme care must be used when selecting 'Flicker Free Filming' mode or 'Low Noise' mode. Further information is available within the article included in this section of this catalog.

BALLAST QUICK CHECK

QUICK CHECKS

WARNING! High voltage inside ballast.

Repairs must be performed by the ARRI Service Department or other qualified personnel.
Always connect ground before phase or neutral.
Lamphead must be disconnected from ballast before changing bulb.
Ballast must be switched off before connecting or disconnecting lamphead or head cable.

1. Disconnect head/ballast cable.
2. (Set meter to read OHMS) Check head to ballast cable for continuity and shorts. (A - A, B - B, etc.)
3. Close lamp lock and lamp door.
4. Turn fixture to ON position.
5. Check safety loop pins for continuity on fixture connector.
6. If no continuity, check door or lamp lock safety circuit and make sure there are no breaks in the input cable.
7. Resistance between lamp low and ignition should be between 15 and 300 Ohms.
8. If measurements are OK, try new lamp.

MEASURING POINTS FOR HEADS & BALLASTS

	125	200	400	575	1.2K	2.5K	4K	6K	12K	18K
Safety Loop		4	D	A	A	A	B	E	E	E
Safety Loop		6	F	E	B	B	F	D	D	D
Lamp Hi (HV)	1	1	B	C	C	C	D	C	H	H
Lamp Lo (HV)	5	2	E	D	D	D	E	A	C	C
Ignition		3	—	F	F	F	C	F	F	F
Ground	3	5	A	G	G	G	G	B	B	B

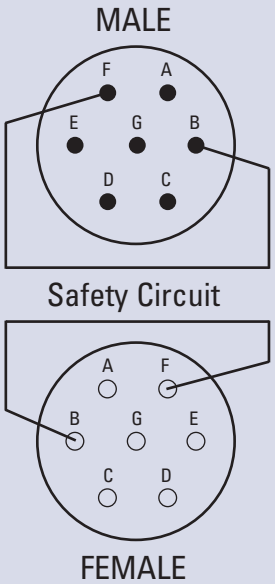
Jumper wire minimum 14AWG. Bare wire max. 1/2 inch. Do not short to housing.

Example: 4kW Ballast

WARNING: Connect meters ground-free.
Don't short circuit output pins unless noted.

1. Turn ballast off, check voltage to ballast.
2. Remove head/ballast cable.
3. Install a jumper between output connector pins B & F.
4. Place analog meter probes in pins C & E.
5. Turn ballast on.
6. Voltage must be 150V AC or higher momentarily, then 0 Volts AC.
7. With ballast still on, measure 310 Volts AC or more on pins D & E.

If all voltages measure as above, ballast is OK.



125/200W AC with ALF

Catalog No.	502806
Lamp Power	125/200W
“One Stop” Dimming Range	YES
Low Noise Switch	NO
DMX 512 Remote Control	NO
Input Voltage (V)	90-130V/180-250V, 50/60Hz
Nom. Input Current (A)	1.3/2.0A @ 120V
	0.7/1.2A @ 208V
	0.6/1.0A @ 240V
Input Real Power (W)	150/235W
Input Apparent Power (VA)	150/240VA
Power Factor	.98
Efficiency	>85%

Dimensions

Height	2.8" (70 mm)
Width	5.1" (130 mm)
Depth	9.5" (241 mm)
Weight	5.1 lbs. (2.3 kg)

125/200W DC

Catalog No.	502808
Lamp Power	125/200W
“One Stop” Dimming Range	YES
Low Noise Switch	NO
DMX 512 Remote Control	NO
Input Voltage (V)	20-34V DC
Nom. Input Current (A)	5.4/8.6A @ 24V
	4.3/6.9A @ 30V
	3.8/6.1A @ 34V
Input Real Power (W)	126/202W
Input Apparent Power (VA)	129/206VA
Power Factor	.98
Efficiency	>99%

Dimensions

Height	2.6" (66 mm)
Width	5.1" (130 mm)
Depth	6.25" (159 mm)
Weight	2.5 lbs. (1.1 kg)

200/400W DC

Catalog No.	504808
Lamp Power	200/400W
“One Stop” Dimming Range	YES
Low Noise Switch	NO
DMX 512 Remote Control	NO
Input Voltage (V)	20-36V DC
Nom. Input Current (A)	10.4/20.8A @ 24V
	8.3/16.7A @ 30V
	7.4/14.7A @ 34V
Input Real Power (W)	250/490W
Input Apparent Power (VA)	250/500VA
Power Factor	.98
Efficiency	>81%

Dimensions

Height	3.6" (91 mm)
Width	6.1" (155 mm)
Depth	10.4" (265 mm)
Weight	5.7 lbs. (2.6 kg)

400/575W with ALF

Catalog No. 504806	Catalog No. 504807 with DMX*
Lamp Power	400/575W
“One Stop Dimming Range	YES
Low Noise Switch	NO
DMX 512 Remote Control	OPTION*
Input Voltage (V)	90-130V/180-250V
Nom. Input Current (A)	3.9/6.0A @ 120V
	2.2/3.2A @ 208V
	1.9/2.8A @ 240V
Input Real Power (W)	455/655W
Input Apparent Power (VA)	465/670VA
Power Factor	.98
Efficiency	>85%

Dimensions

Height	3.6" (91 mm)
Width	6.1" (155 mm)
Depth	10.4" (265 mm)
Weight	5.7 lbs. (2.6 kg)

575/1200W with DMX

Catalog No.	505815
Lamp Power	575/1200W
“One Stop” Dimming Range	YES
Low Noise Switch	YES
DMX 512 Remote Control	YES
Input Voltage (V)	90-125/180-250V, 50/60Hz
Nom. Input Current (A)	9/19A @ 120V
	5.3/11A @ 208V
	4.6/9.5A @ 240V
Input Real Power (W)	640/1330W
Input Apparent Power (VA)	1100/2290VA
Power Factor	.58
Efficiency	>94%

Dimensions

Height	5.9" (150 mm)
Width	7.9" (201 mm)
Depth	11.8" (300 mm)
Weight	15.4 lbs. (7 kg)

575/1200W with DMX & ALF

Catalog No.	505810
Lamp Power	575/1200W
“One Stop” Dimming Range	YES
Low Noise Switch	YES
DMX 512 Remote Control	YES
Input Voltage (V)	90-125/180-250V, 50/60Hz
Nom. Input Current (A)	5.6/11.6A @ 120V
	3.2/6.7A @ 208V
	2.8/5.8A @ 240V
Input Real Power (W)	650/1365W
Input Apparent Power (VA)	670/1390VA
Power Factor	.98
Efficiency	>88%

Dimensions

Height	5.9" (150 mm)
Width	7.9" (201 mm)
Depth	13.2" (335 mm)
Weight	17.7 lbs. (8 kg)

2500/4000W with DMX

Catalog No.	540814
Lamp Power	2500/4000W
"One Stop" Dimming Range	YES
Low Noise Switch	YES
DMX 512 Remote Control	YES
Input Voltage (V)	90-125/190-250V, 50/60Hz
Nom. Input Current (A)	33/52A @ 120V
	19/30A @ 208V
	16/26A @ 240V
Input Real Power (W)	2800/4500W
Input Apparent Power (VA)	3900/6200VA
Power Factor	.73
Efficiency	>88%

Dimensions

Height	14.2" (361 mm)
Width	9.4" (239 mm)
Depth	17.75" (451 mm)
Weight	46.3 lbs. (21 kg)

2500/4000W with DMX & ALF

Catalog No.	540817
Lamp Power	2500/4000W
"One Stop" Dimming Range	YES
Low Noise Switch	YES
DMX 512 Remote Control	YES
Input Voltage (V)	90-125/180-250V, 50/60Hz
Nom. Input Current (A)	24/39A @ 120V
	14/22A @ 208V
	12/19A @ 240V
Input Real Power (W)	2850/4550W
Input Apparent Power (VA)	2900/4650VA
Power Factor	.98
Efficiency	>88%

Dimensions

Height	14.2" (361 mm)
Width	9.4" (239 mm)
Depth	17.75" (451 mm)
Weight	51.8 lbs. (23.5 kg)

6000W Compact

Catalog No.	560806
Lamp Power	6000W
"One Stop" Dimming Range	YES
Low Noise Switch	YES
DMX 512 Remote Control	NO
Input Voltage (V)	190-250V, 50/60Hz
Nom. Input Current (A)	46A @ 208V
	40A @ 240V
Input Real Power (W)	6900W
Input Apparent Power (VA)	9600VA
Power Factor	.72
Efficiency	>87%

Dimensions

Height	14.7" (373 mm)
Width	9.5" (241 mm)
Depth	17.7" (450 mm)
Weight	47.7 lbs. (21.7 kg)

6000W Compact with ALF

Catalog No.	560817
Lamp Power	6000W
"One Stop" Dimming Range	YES
Low Noise Switch	YES
DMX 512 Remote Control	NO
Input Voltage (V)	190-250V, 50/60Hz
Nom. Input Current (A)	33A @ 208V
	28A @ 240V
Input Real Power (W)	6700W
Input Apparent Power (VA)	6800VA
Power Factor	.98
Efficiency	>90%

Dimensions

Height	14.7" (373 mm)
Width	9.5" (241 mm)
Depth	17.7" (450 mm)
Weight	55.2 lbs. (25 kg)

6000/12000W with DMX

Catalog No.	560814
Lamp Power	6000/12000W
"One Stop" Dimming Range	YES
Low Noise Switch	YES
DMX 512 Remote Control	YES
Input Voltage (V)	190-250V, 50/60Hz
Nom. Input Current (A)	44/87A @ 208V
	38/75A @ 240V
Input Real Power (W)	6900/13800W
Input Apparent Power (VA)	9100/18000VA
Power Factor	.74
Efficiency	>87%

Dimensions

Height	19.75" (502 mm)
Width	10.4" (264 mm)
Depth	19.9" (505 mm)
Weight	70 lbs. (31.8 kg)

6000/12000W with DMX & ALF

Catalog No.	560815
Lamp Power	6000/12000W
"One Stop" Dimming Range	YES
Low Noise Switch	YES
DMX 512 Remote Control	YES
Input Voltage (V)	180-250V, 90-125V (6k only), 50/60Hz
Nom. Input Current (A)	33/63A @ 208V
	29/55A @ 240V
Input Real Power (W)	6600/13200W
Input Apparent Power (VA)	6900/13200VA
Power Factor	.98
Efficiency	>91%

Dimensions

Height	19.75" (502 mm)
Width	10.4" (264 mm)
Depth	19.9" (505 mm)
Weight	95 lbs. (43.1 kg)

12000/18000W with DMX & ALF

Catalog No.	562814
Lamp Power	12000/18000W
"One Stop" Dimming Range	YES
Low Noise Switch	YES
DMX 512 Remote Control	YES
Input Voltage (V)	190-250V, 50/60Hz
Nom. Input Current (A)	62/93A @ 208V
	54/81A @ 240V
Input Real Power (W)	12650/19000W
Input Apparent Power (VA	12900/19400VA
Power Factor	.98
Efficiency	>95%

Dimensions

Height	21.6" (548 mm)
Width	11.1" (283 mm)
Depth	19.9" (506 mm)
Weight	108 lbs. (49 kg)

Dimensions with cart

Height	32.3" (820 mm)
Width	22.0" (560 mm)
Depth	22.4" (570 mm)
Weight	141 lbs. (64 kg)

For a complete listing of ARRI Ballasts designed for use with non-ARRI fixtures, check the current ARRI Inc. Lighting Price List.

Examining a Powerful Light Source

ARRI

Lighting designers often look to alternative sources of light to complement or contrast standard tungsten-halogen light on the set or stage. The ever-popular HMI, or MSR, lamp is one source that offers a dramatic increase in light output within a pure daylight color spectrum. The use of an HMI as a single light source, producing a single shadow, is increasing in theatrical – especially operatic – productions. For daylight fill, the HMI is an excellent choice for video and film production. Industrials specify daylight sources to create distinguishing bright, cool and stark light. Although the HMI source cannot be fully dimmed electronically, the utilization of mechanical shutters or dowsers with DMX control offers acceptable results for most applications that require dimming.

The HMI light source first entered the market more than thirty years ago. However, despite its increased popularity, many questions still surround HMI lighting technology. This article is intended to demystify the components, the system and the applications.

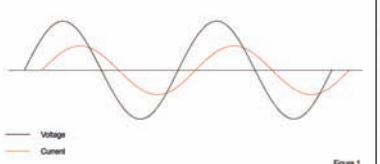
Characteristics of the Source

The HMI lamp is an AC powered metal halide lamp, which generates an extremely bright light by electrical discharge. This arc discharge is produced as a result of ionization of gases in the lamp. The discharge arc burns between the two electrodes aligned along the axis of the lamp that project into the bulb and are set a certain distance apart creating the electrode gap. Approximately ten filling components comprise the chemical atmosphere. These fillers are grouped within the Argon, Mercury, Halogen, and Rare Earth categories and determine the lamp designation. These discharge lamps offer several important advantages over incandescent lights, including:

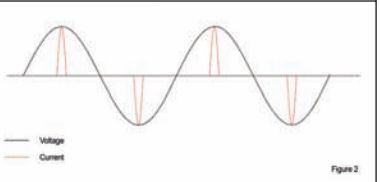
- Three to four-fold increase in luminous efficacy
- Daylight spectrum with a color temperature of 5600 – 6000 K
- Luminance value that is seven times higher than incandescent, bringing the lamps very close to the ideal of a point light source
- Exceptionally low heat radiance
- Color rendering index of 95, which nearly matches the maximum possible natural rendering of non-luminous colors

HMI is an Osram trademarked name derived from Mercury (HG), Medium Arc and Iodide. MSR is a Philips trademarked name standing for Medium Source Rare Elements. HMI and MSR lamps are manufactured in wattages from 125W to 18,000W in single-ended and double-ended bulb configurations. Other configurations of metal halide lamps such as HMP, HTI, HSR, and HSD exist for projector use and exhibition lighting.

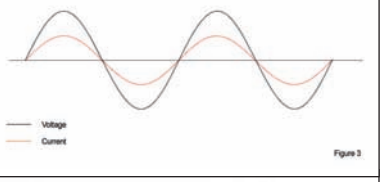
Examining a Powerful



In coil core ballasts, current lags voltage



Electronic ballasts draw current in very large, very narrow, and high harmonic mid-cycle pulses



Power factor correction addresses these problems and should both minimize the harmonics and get the input fundamental frequency voltage and current in phase

In contrast to a tungsten-halogen lamp, the HMI lamp does not have a continuous spectrum, but rather a spectrum consisting of a large number of lines. Due to their chemical fillings, these metal halide lamps produce a quasi continuous spectrum that is very similar to that of the sun with a color temperature of 6000 K. Manufacturers of stage and studio luminaries design myriad optical systems to efficiently use HMI sources. They range in type from the Fresnel, PAR, ellipsoidal, followspot, softlight, open face and floodlight. The most popular for theatrical applications are the Fresnel and the followspot. These instruments differ from their incandescent counterparts primarily in size and special electrical components. Specifically, an HMI lamp requires an electrical system to provide the AC lamp current and protect against UV radiation.

Lamp Operation

Applying normal voltage will not overcome the high-pressure resistance of the gas filling the bulb. In fact a discharge lamp acts as an insulator while off or in the cold state. In order to start the lamp, the electrical system must first ionize this gas by supplying a high-voltage discharge, or surge voltage. The igniter component, which is located in the head, provides the ignition voltage as a series of high-frequency pulses. The warm-up cycle typically takes one to two minutes during which time the lamp reaches full intensity.

It is not only cold starts that are problematic. The hardest time to restart a discharge lamp is 10 to 90 secply will not reignite. This behavior is dependent on the degree to which the filler components have condensed on the electrodes or on the wall of the bulb corresponding pressures. Lamp manufacturers continually work to improve this behavior to allow a hot restrike.

There are also safety issues to consider. All metal halide lamps are high-luminance light sources and generate a considerable amount of UV radiation. Proper distance must be maintained from an instrument during operation. Also, the lamp must always be operated in an enclosed luminaire with proper safety circuitry to prevent direct exposure to an energized lamp. A detection device verifies the integrity of a lens or safety glass in a fixture and secure closure of the lamp access door. System power is terminated by means of an electrical safety loop if direct exposure of the lamp is sensed.

EB 2,5/4kW

Light Source

The Electrical System

An HMI Electrical system includes a ballast to provide the proper AC lamp current. The arc of the HMI light source is of a very low resistance and therefore the current can increase to a high value, which would eventually destroy the lamp electrodes. Thus, the current must be limited by means of a magnetic field that is created by the alternating lamp current passing through a magnetic coil. While these standard magnetic ballasts are often used, electronic ballasts are increasingly more popular and offer many operational advantages.

One advantage is that electronic ballasts are designed to provide constantly regulated power to the lamp despite variations in the main supply. Lamp output can be maintained as long as the incoming voltage is between 90-125V or 180-250V and lamps are operated independently of the frequency of the supply power. In addition to accepting a wide range of power inputs, electronic ballasts frequently offer multiple wattage outputs. Electronic ballasts offer a flicker free mode for filming needs. This is usually accomplished by providing a square wave output. With a square wave, the polarity reversal of the current is so quick that there is virtually no pulsation of the light. In contrast, a sine wave output is quieter at the lamp, igniter and ballast. A selection switch is therefore offered for non-filming applications. It should be noted that filming is possible with a sine wave output, but extreme care must be taken to ensure that the frame frequency of the camera is synchronized with the power supply frequency when the sector angle of the shutter is adjusted.

EB 575/1200 A.L.F.

Because the lamp does not go out for short periods of time, light output is increased by about ten percent when using an electronic ballast. Lamp life is increased even more – by approximately twenty percent. Grip and stagehand life and efficiency may be extended too, since electronic ballasts are smaller and weigh less than their magnetic counterparts.

Partial dimming of HMI lamps is possible when using electronic ballasts. A dimming circuit allows electronic operation of the lamp from full power to fifty percent of rated power. Designers should note that when metal halide bulbs are dimmed, the bulb gets colder and therefore the color temperature rises, or appears bluer. This is because the metals that are responsible for the red component in the spectrum are the last of the filler components to vaporize during startup and the first to condense out again when the lamp is dimmed. For control, two DMX addresses are typically used per channel – one for dimming and one for on/off functions.

Used in conjunction with mechanical dowsers, electronic dimming provides good control. Because of the slow start time and the fact that the lamps can only strike to full output, HMIs are ignited behind closed dowsers in advance of a cue and then seek the appropriate preset levels.

Power Factor and Load Calculation

The manufacturer or supplier of any ballast, including those used for HMI lighting, should publish the efficiency of the ballast's circuit and its power factor. The efficiency of the circuit,

Examining a Powerful Light Source

simply stated, is the output divided by the input (if the power factor equals 1). The difference between output and input is the amount of energy consumed by the components. To talk about power factor, we must first realize that transformers and coil and core ballasts are inductive loads and consume power differently than traditional resistive loads. Rather than being in phase, the current lags behind the voltage. Electronic ballasts do not draw current from a power source in a true sine wave but instead draw line current in relatively large surges or spikes over a short period of time. Ballasts also create current on the neutral and generate harmonics, which can contribute to erratic performance of other equipment using the same service. These characteristics make it difficult to calculate the actual load.

We define true power use as the amount of energy consumed by a device connected to an AC source of power. However, the measurement of the RMS voltage times the RMS current yields a result much greater than true power, which we call apparent power. By definition, power factor is simply the ratio of true power to apparent power. When the power factor is one, the apparent power equals the true power. As the power factor is decreased, an increase in peak current leads to problems. These problems can be avoided with power factor correction circuitry provided by an active line filter (ALF). This active line filter solves many electrical problems by first working to get the voltage sine wave and the current waveform in phase. Additionally, ALF works to reduce the current spikes and harmonics in the line and contributes to more economical use of power, since electric utility companies charge for apparent power usage.

To obtain proper load calculations for HMI lights, we cannot use the simple formula W = VA. First we must calculate apparent power:

$$\text{Apparent Power} = \frac{\text{Wattage of Lamp}}{\text{Power Factor x Efficiency}}$$

The apparent power value can now be substituted for watts in the W = VA formula and redefined as:

$$\text{Apparent Power} = \text{Volts x Amps}$$

System Design

Many ballast configurations are currently available. The distributed system, or individual ballast per fixture, is the most popular. With this application, multi conductor cables connect the HMI lamp head and ballast. The maximum combined length of cable should not exceed 200°. A recent configuration for the current market is a centralized system. This system uses rack-mounted ballasts with multiple output selections. Multi ballast cables are routed to a splitter box and out to multiple luminaires. The latest innovation in ballast configuration employs transmitter technology to sense the luminaire and the lamp wattage connected. This centralized system provides better cable management for the event, industrial, film and theatrical markets.

There are many great reasons to utilize HMI technology in your next production or event. Hopefully this article answered some questions and increased comfort with technical aspects. Popular ARRI units are readily available in most rental houses. In addition, both ARRI and your local rental company offer consultations on application solutions for your next project.

John Gresch

John Gresch

…is an instructor of HMI lighting for IATSE 728 (Studio Lighting Technicians) Safety & Training program. He often lectures on this and other lighting topics for union, trade, and educational groups. John is a graduate of Carnegie Mellon School of Drama and President of its West Coast Drama Alumni Clan. As Vice President, Lighting Division of ARRI Inc. in Burbank, CA, John can be reached at JGresch@arri.com

LOCATION & STUDIO FRESNELS

ARRI

LOCATION & STUDIO FRESNELS

Lighting professionals around the world recognize the superior light output and smooth, even field of ARRI TUNGSTEN FRESNELS. Ranging in size from 150 to 24,000W with lens sizes from 2 to 25 inches, ARRI FRESNELS, with rugged cast and extruded aluminum housings are ideal for the most demanding location and studio productions.

The ARRI 650, ARRI 300 and ARRI 150 Fresnel units are recognized as studio quality lighting fixtures small enough to use in any location. The nucleus of many ARRI Lighting Kits, these tungsten Fresnels are equally important on any size production.

TRUE BLUES by ARRI represent an unprecedented evolution of the Studio and Location fixtures that have been popular workhorses for over two decades. These highly innovative lampheads include over 30 improvements for studio and location lighting.

ARRI's patented cross cooling system reduces lamp housing temperature by 25% and lens temperature by 17%. With special air channels built into the aluminum extrusion, a constant stream of air passes around the Fresnel lens and into the lamphead regardless of the tilt angle. At the heart of the TRUE BLUE concept is a redesigned stirrup and improved tilt lock. The stainless steel friction disc locks the lamphead securely even with the largest Chimera or other front accessory.

With reduced weight, compact size and maximum light output TRUE BLUES set a new standard in professional lighting equipment.

The ARRI T12 and T24 are the production standards for large tungsten sources. A high purity aluminum spherical specular reflector combined with quality Fresnel lenses assure maximum light output, an extremely smooth light field and superior 'spot' to 'flood' control in a rugged housing.

LAMPHOLDER MAINTENANCE

Early lamp failures can be reduced if you regularly inspect the lampholder. Any discoloration or corrosion of the lampholder or lamp pins is a sign of overheating. In some cases this may be caused by a poor connection to the lampholder. Correct the cause of overheating and/or replace the lampholder to ensure maximum lamp life.

LENS & REFLECTOR CARE

You can maintain the performance of your ARRI fixture by simply making sure that the lens and reflector are clean. For lenses, use a soft lint free cloth and glass cleaner or Isopropyl alcohol. For reflectors, use a soft lint free cloth only; never use any kind of cleaning agent. If you have heavier stains, you can use warm soapy water. Regularly check the lens for chips or cracks and the lens mounting assembly to make sure that the lens pads are intact and the lens mounting brackets are secure and in good condition.

DIMMING AND LAMP LIFE

When Tungsten lamps are dimmed, lamp life, color temperature and light output are affected. For example if a lamp rated at 120 Volts is operated at 110 Volts, the lamp life increases more than 300%; the color temperature drops 1000K; and the light output is reduced 25%. Conversely, running a lamp at higher than the rated voltage will significantly shorten lamp life.

SCRIMS

Scrims are wire screens that reduce light without changing the color temperature or focus. A single scrim reduces the light 25% or one half stop. A double scrim reduces 50% or one full stop. Half single or half double scrims cut the light in only half of the beam and are generally used with Fresnel fixtures to reduce the light in a portion of the beam.

ALTERNATE LAMPS

We often speak of fixtures by a standard wattage such as a 1K or 1000 Watt Fresnel. Almost all ARRI Tungsten Fixtures have a number of alternative wattage lamps available. Our catalog lists the most common lamps so you can choose a lower wattage when appropriate.

OHM'S LAW

V = I x R

I = Intensity of current = Amperes
R =Resistance =Ohms
E = Electromotive Force = Volts
P = Power = Watts

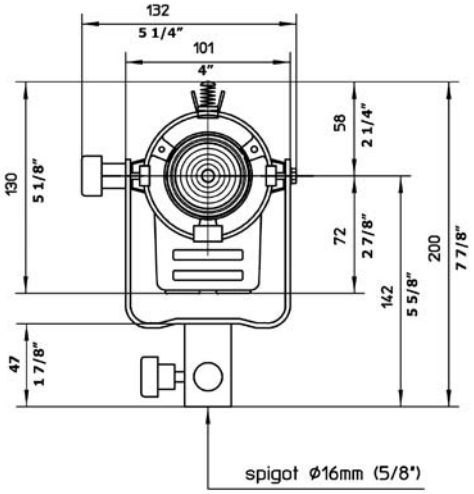
The three basic Ohm's law formulas are: **I= E/R** **R=E/I** **E=I x R**

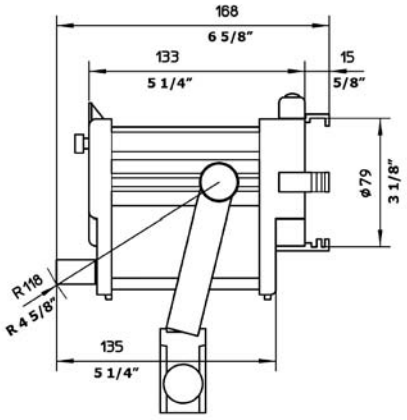
Example: ***A****mperes =* ***W****atts/****V****olts* *I=P/E* *I = 1200/120 =10Amps*

Common Alternate Designation: ***W = V x A***

150W Fresnel

The 530100 150W Fresnel is designed primarily for 120V operation and uses a lamp with a double contact bayonet base. The only 220/230V lamp available is the 530146 200W JCV lamp. The 530102 150W Fresnel is for 220/230V operation only, and uses a lamp with a 2-pin (GX6.35) base. There is no 120V lamp available for this fixture.





Cat. No.	Description
530100	150W Fresnel (120V)
530106	150W Fresnel, Gray (120V)
530102	150W Fresnel (220V) - includes inline dimmer
530110	Four Leaf Barndoor
530120	Filter Frame
530130	Snoot
530150	3" Full Single Scrim
530151	3" Half Single Scrim
530152	3" Full Double Scrim
530153	3" Half Double Scrim
571711	Scrim Bag
853276	Safety Cable
571740	1800W Digital Dimmer
571192W	Compact 4-Light Case with wheels

Lamps

Code	ESR	ESP	A1248
Watts	100	150	150
Volts	120	120	230
Color Temp (K)	2900	2900	3200
Approx. Life (hrs)	750	1000	50

Specifications

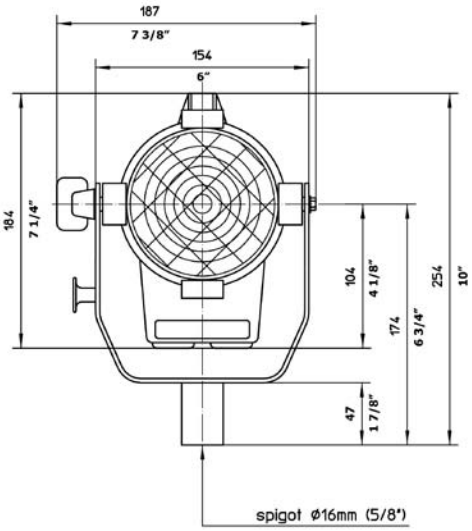
Weight	2.3 lbs. (1.0 kg)
Cable	12 ft. (3.7 m) cable with inline switch
Lens Diameter	2" (50.8 mm) low expansion borosilicate Fresnel lens
Reflector	Spherical specular high purity aluminum
Lampholder	DC bayonet (120V), GY9.5 (230V)
Mounting	5/8" (16 mm) stand mount

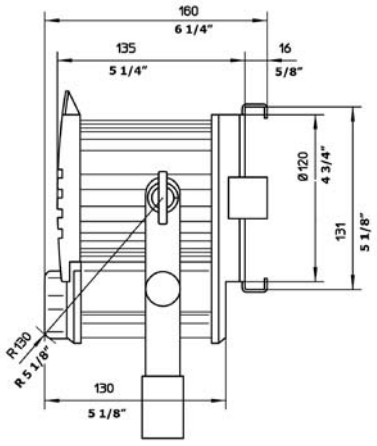
Photometric Data with ESP 150W Lamp

Distance	3 ft. (0.9 m)	5 ft. (1.5 m)	10 ft. (3.0 m)	15 ft. (4.6 m)
Spot Focus Beam Angle 14°				
Footcandles	452	163	41	18
Beam Diameter	0.7 ft. (0.2 m)	1.2 ft. (0.4 m)	2.5 ft. (0.8 m)	3.7 ft. (1.1 m)
Medium Focus Beam Angle 30°				
Footcandles	216	78	19	9
Beam Diameter	1.6 ft. (0.5 m)	2.7 ft. (0.8 m)	5.4 ft. (1.6 m)	8.0 ft. (2.4 m)
Flood Focus Beam Angle 44°				
Footcandles	162	58	15	6
Beam Diameter	2.4 ft. (0.7 m)	4.0 ft. (1.2 m)	8.1 ft. (2.5 m)	12.1 ft. (3.7 m)

Spot Performance at any distance:	
Footcandles (or lux) = 4,100 ÷ Distance^2	Beam Diameter = Distance x 0.25
Medium Performance at any distance:	
Footcandles (or lux) = 1,900 ÷ Distance^2	Beam Diameter = Distance x 0.54
Flood Performance at any distance:	
Footcandles (or lux) = 1,500 ÷ Distance^2	Beam Diameter = Distance x 0.81

300W Plus Fresnel





Cat. No.	Description
531300	300W Plus Fresnel, Stand Model
531301	300W Plus Fresnel, Hanging Model
531302	300W Plus Fresnel, Stand Model, Black
531303	300W Plus Fresnel, Hanging Model, Black
531310	Four Leaf Barndoor
531320	Filter Frame
531330	Snoot
531350	5" Full Single Scrim
531351	5" Half Single Scrim
531352	5" Full Double Scrim
531353	5" Half Double Scrim
571711	Scrim Bag
853276	Safety Cable
571740	1800W Digital Dimmer
571192W	Compact 4-Light Case with wheels
571194W	Compact 3-Light Case with wheels
571197	Heavy Duty Case

Lamps

Code	FKW	CP81
Watts	300	300
Volts	120	230
Color Temp (K)	3200	3200
Approx. Life (hrs)	200	200

Specifications

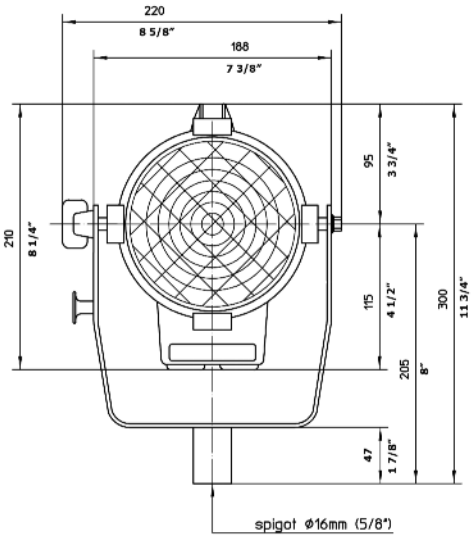
Weight	6.5 lbs. (2.9 kg)
Cable	25 ft. (7.6 m) cable with inline switch; Hanging model with 2.5 ft. (0.8 m) cable w/o switch
Lens Diameter	3.2" (81.2 mm) low expansion borosilicate Fresnel lens
Reflector	Spherical specular high purity aluminum
Lampholder	GY9.5
Mounting	5/8" (16 mm) stand mount; Hanging model with pipe clamp

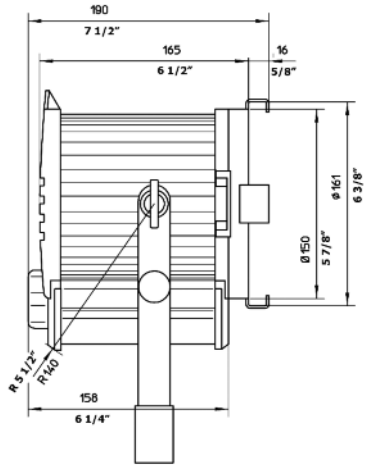
Photometric Data with FKW 300W Lamp

Distance	5 ft. (1.5 m)	10 ft. (3.0 m)	15 ft. (4.6 m)	20 ft. (6.1 m)	25 ft. (7.6 m)
Spot Focus Beam Angle 15°					
Footcandles	673	168	75	42	27
Beam Diameter	1.3 ft. (0.4 m)	2.6 ft. (0.8 m)	3.9 ft. (1.2 m)	5.3 ft. (1.6 m)	6.6 ft. (2.0 m)
Medium Focus Beam Angle 30°					
Footcandles	360	90	40	23	14
Beam Diameter	2.7 ft. (0.8 m)	5.4 ft. (1.6 m)	8.0 ft. (2.4 m)	10.7 ft. (3.3 m)	13.4 ft. (4.1 m)
Flood Focus Beam Angle 55°					
Footcandles	180	45	20	11	7
Beam Diameter	5.2 ft. (1.6 m)	10.4 ft. (3.2 m)	15.6 ft. (4.8 m)	20.8 ft. (6.3 m)	26.0 ft. (7.9 m)

Spot Performance at any distance:	
Footcandles (or lux) = 16,800 ÷ Distance^2	Beam Diameter = Distance x 0.26
Medium Performance at any distance:	
Footcandles (or lux) = 9,000 ÷ Distance^2	Beam Diameter = Distance x 0.54
Flood Performance at any distance:	
Footcandles (or lux) = 4,500 ÷ Distance^2	Beam Diameter = Distance x 1.04

650W Plus Fresnel





Cat. No.	Description
531600	650W Plus Fresnel, Stand Model
531601	650W Plus Fresnel, Hanging Model
531602	650W Plus Fresnel, Stand Model, Black
531603	650W Plus Fresnel, Hanging Model, Black
531605	650W Plus Fresnel, Pole Operated
531610	Four Leaf Barndoor
531615	Eight Leaf Barndoor
531620	Filter Frame
531630	Snoot
531650	6 5/8" Full Single Scrim
531651	6 5/8" Half Single Scrim
531652	6 5/8" Full Double Scrim
531653	6 5/8" Half Double Scrim
571712	Scrim Bag
853276	Safety Cable
571740	1800W Digital Dimmer
571194W	Compact 3-Light Case with wheels
571197	Heavy Duty Case

Lamps

Code	FRK	FRG	FKW	CP89
Watts	650	500	300	650
Volts	120	120	120	230
Color Temp (K)	3200	3200	3200	3200
Approx. Life (hrs)	150	150	150	150

Specifications

Weight	7.2 lbs. (3.3 kg)
Cable	25 ft. (7.6 m) cable with inline switch; Hanging model with 2.5 ft. (0.8 m) cable w/o switch
Lens Diameter	4.3" (110 mm) low expansion borosilicate Fresnel lens
Reflector	Spherical specular high purity aluminum
Lampholder	GY9.5
Mounting	5/8" (16 mm) stand mount; Hanging model with pipe clamp

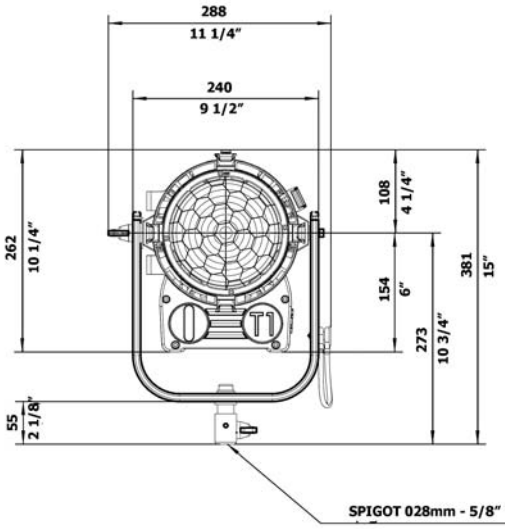
Photometric Data with FRK 650W Lamp

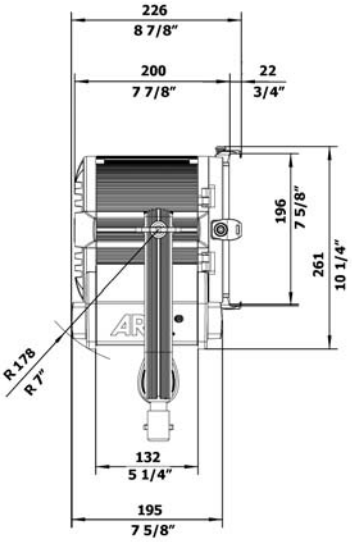
Distance	5 ft. (1.5 m)	10 ft. (3.0 m)	15 ft. (4.6 m)	20 ft. (6.1 m)	25 ft. (7.6 m)
Spot Focus Beam Angle 13°					
Footcandles	2110	528	234	132	84
Beam Diameter	1.1 ft (0.3 m)	2.3 ft. (0.7 m)	3.4 ft. (1.0 m)	4.6 ft. (1.4 m)	5.7 ft. (1.7 m)
Medium Focus Beam Angle 30°					
Footcandles	910	228	101	57	36
Beam Diameter	2.7 ft. (0.8 m)	5.4 ft. (1.6 m)	8.0 ft. (2.4 m)	10.7 ft. (3.3 m)	13.4 ft. (4.1 m)
Flood Focus Beam Angle 54°					
Footcandles	430	108	48	27	17
Beam Diameter	5.1 ft. (1.6 m)	10.2 ft. (3.1 m)	15.3 ft. (4.7 m)	20.4 ft. (6.2 m)	25.5 ft. (7.8 m)

Spot Performance at any distance:	
Footcandles (or lux) = 52,800 ÷ Distance^2	Beam Diameter = Distance x 0.23
Medium Performance at any distance:	
Footcandles (or lux) = 22,800 ÷ Distance^2	Beam Diameter = Distance x 0.54
Flood Performance at any distance:	
Footcandles (or lux) = 10,900 ÷ Distance^2	Beam Diameter = Distance x 1.02

AVAILABLE SEPTEMBER 2008

T1 1000W Fresnel





Cat. No.	Description
551100	T1 1000W Fresnel, Stand Model
551101	T1 1000W Fresnel, Hanging Model
551102	T1 1000W Fresnel, Stand Model, Black
551103	T1 1000W Fresnel, Hanging Model, Black
551105	T1 1000W Fresnel, Pole Operated
551110	Four Leaf Barndoor
551115	Eight Leaf Barndoor
531120	Filter Frame
531130	Snoot
531150	7 3/4" Full Single Scrim
531151	7 3/4" Half Single Scrim
531152	7 3/4" Full Double Scrim
531153	7 3/4" Half Double Scrim
571712	Scrim Bag
853276	Safety Cable
571740	1800W Digital Dimmer
571197	Heavy Duty Case

Lamps

Code	EGT	EGR	CP40
Watts	1000	750	1000
Volts	120	120	230
Color Temp (K)	3200	3200	3200
Approx. Life (hrs)	250	200	200

Specifications

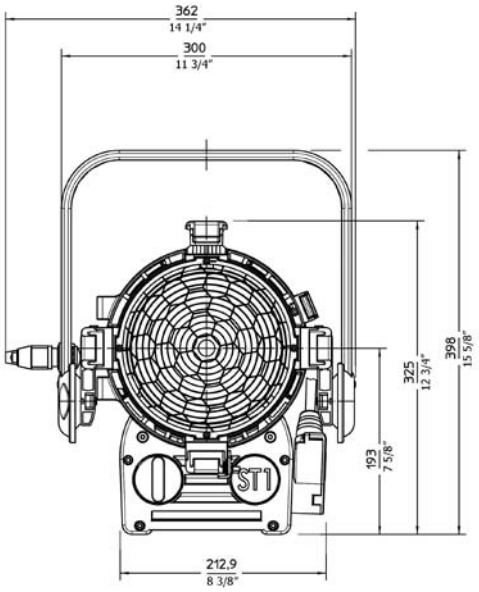
Weight	11.4 lbs. (5.2 kg) (Stand Model)
Cable	23.0 ft. (7.0 m) cable with inline switch; Hanging model with 3.0 ft. (1.0 m) cable w/o switch
Lens Diameter	5.9" (150 mm) low expansion borosilicate Fresnel lens
Reflector	Spherical specular high purity aluminum
Lampholder	G22/38
Mounting	Combination mount for 5/8" (16 mm) stand or 1 1/8" (29 mm) stand; Hanging model with pipe clamp
Certification	NRTL-US-C; CE; IP23

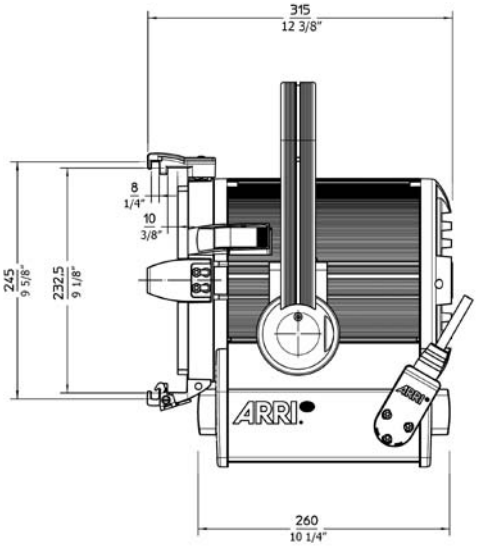
Photometric Data with EGT 1000W Lamp

Distance	10 ft. (3.0 m)	15 ft. (4.6 m)	20 ft. (6.1 m)	25 ft. (7.6 m)	30 ft. (9.1 m)
Spot Focus Beam Angle 8°					
Footcandles	1634	726	409	261	182
Beam Diameter	1.4 ft. (0.4 m)	2.1 ft. (0.6 m)	2.8 ft. (0.9 m)	3.5 ft. (1.1 m)	4.2 ft. (1.3 m)
Medium Focus Beam Angle 30°					
Footcandles	418	186	105	67	46
Beam Diameter	5.4 ft. (1.6 m)	8.0 ft. (2.4 m)	10.7 ft. (3.3 m)	13.4 ft. (4.1 m)	16.1 ft. (4.9 m)
Flood Focus Beam Angle 54°					
Footcandles	194	86	48	31	22
Beam Diameter	10.2 ft. (3.1 m)	15.3 ft. (4.7 m)	20.4 ft. (6.2 m)	25.5 ft. (7.8 m)	30.6 ft. (9.3 m)

Spot Performance at any distance:	
Footcandles (or lux) = 163,400 ÷ Distance^2	Beam Diameter = Distance x 0.14
Medium Performance at any distance:	
Footcandles (or lux) = 41,800 ÷ Distance^2	Beam Diameter = Distance x 0.54
Flood Performance at any distance:	
Footcandles (or lux) = 19,350 ÷ Distance^2	Beam Diameter = Distance x 1.02

ST1 1000W Studio Fresnel





Cat. No.	Description
552100	ST1 1000W Studio Fresnel, Stand Model
552101	ST1 1000W Studio Fresnel, Hanging Model
552102	ST1 1000W Studio Fresnel, Stand Model, Black
552103	ST1 1000W Studio Fresnel, Hanging Model, Black
552105	ST1 1000W Studio Fresnel, Pole Operated
551210	Four Leaf Barndoor
551215	Eight Leaf Barndoor
531220	Filter Frame
531230	Snoot
531250	9" Full Single Scrim
531251	9" Half Single Scrim
531252	9" Full Double Scrim
531253	9" Half Double Scrim
571714	Scrim Bag
853276	Safety Cable
531510	Operating Pole for pole-op fixtures
571740	1800W Digital Dimmer

Lamps

Code	EGT	EGR	CP40
Watts	1000	750	1000
Volts	120	120	230
Color Temp (K)	3200	3200	3200
Approx. Life (hrs)	250	200	200

Specifications

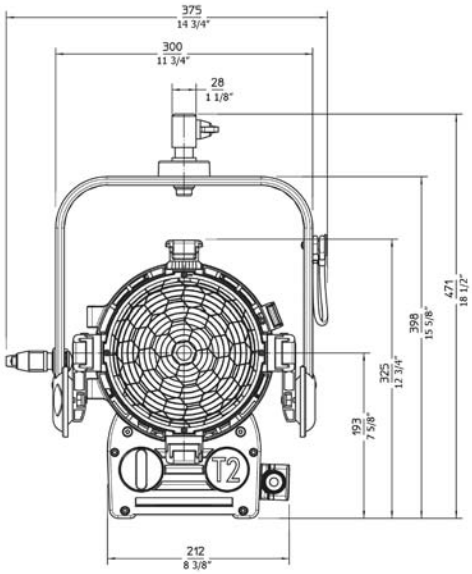
Weight	16.5 lbs. (7.5 kg) (Stand Model)
Cable	23.0 ft. (7.0 m) cable with inline switch; Hanging model with 3.0 ft. (1.0 m) cable w/o switch
Lens Diameter	6.9" (175 mm) low expansion borosilicate Fresnel lens
Reflector	Spherical specular high purity aluminum
Lampholder	G22/38
Mounting	Combination mount for 5/8" (16 mm) stand or 1 1/8" (29 mm) stand; Hanging model with pipe clamp
Certification	NRTL-US-C; CE; IP23

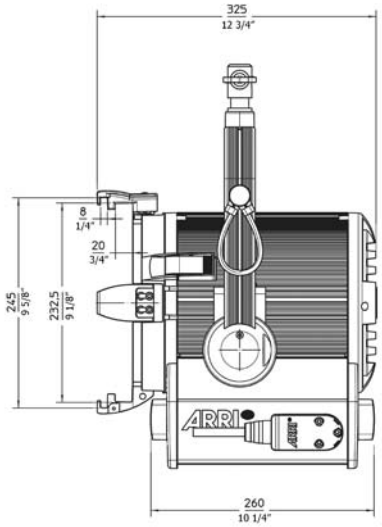
Photometric Data with EGT 1000W Lamp

Distance	10 ft. (3.0 m)	15 ft. (4.6 m)	20 ft. (6.1 m)	25 ft. (7.6 m)	30 ft. (9.1 m)
Spot Focus Beam Angle 10°					
Footcandles	1667	741	417	267	185
Beam Diameter	1.7 ft. (0.5 m)	2.6 ft. (0.8 m)	3.5 ft. (1.1 m)	4.4 ft. (1.3 m)	5.2 ft. (1.6 m)
Medium Focus Beam Angle 30°					
Footcandles	409	182	102	65	45
Beam Diameter	5.4 ft. (1.6 m)	8.0 ft. (2.4 m)	10.7 ft. (3.3 m)	13.4 ft. (4.1 m)	16.1 ft. (4.9 m)
Flood Focus Beam Angle 54°					
Footcandles	201	89	50	32	22
Beam Diameter	10.2 ft. (3.1 m)	15.3 ft. (4.7 m)	20.4 ft. (6.2 m)	25.5 ft. (7.8 m)	30.6 ft. (9.3 m)

Spot Performance at any distance:	
Footcandles (or lux) = 166,725 ÷ Distance^2	Beam Diameter = Distance x 0.18
Medium Performance at any distance:	
Footcandles (or lux) = 40,900 ÷ Distance^2	Beam Diameter = Distance x 0.54
Flood Performance at any distance:	
Footcandles (or lux) = 20,050 ÷ Distance^2	Beam Diameter = Distance x 1.02

T2 2000W Fresnel





Cat. No.	Description
551200	T2 2000W Fresnel, Stand Model
551201	T2 2000W Fresnel, Hanging Model
551202	T2 2000W Fresnel, Stand Model, Black
551203	T2 2000W Fresnel, Hanging Model, Black
551205	T2 2000W Fresnel, Pole Operated
551210	Four Leaf Barndoor
551215	Eight Leaf Barndoor
531220	Filter Frame
531230	Snoot
531250	9" Full Single Scrim
531251	9" Half Single Scrim
531252	9" Full Double Scrim
531253	9" Half Double Scrim
571714	Scrim Bag
853276	Safety Cable
531510	Operating Pole for pole-op fixtures

Lamps

Code	CYX	CXZ	CYV	CP41
Watts	2000	1500	1000	2000
Volts	120	120	120	230
Color Temp (K)	3200	3200	3200	3200
Approx. Life (hrs)	300	300	200	400

Specifications

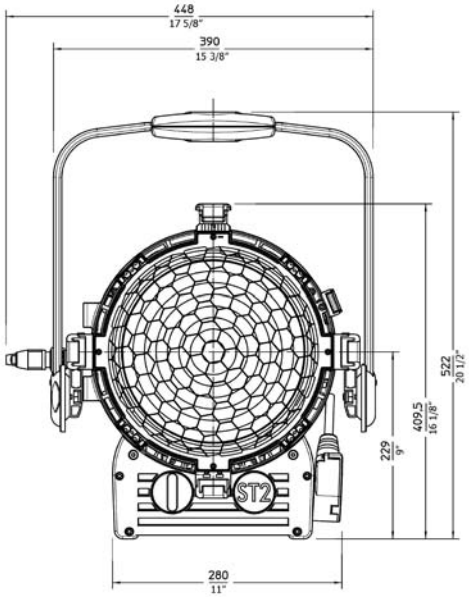
Weight	18 lbs. (8.2 kg) (Stand Model)
Cable	23.0 ft. (7.0 m) cable with inline switch; Hanging model with 3.0 ft. (1.0 m) cable w/o switch
Lens Diameter	6.9" (175 mm) low expansion borosilicate Fresnel lens
Reflector	Spherical specular high purity aluminum
Lampholder	G22/38
Mounting	1 1/8" (29 mm) stand; Hanging model with pipe clamp
Certification	NRTL-US-C; CE; IP23

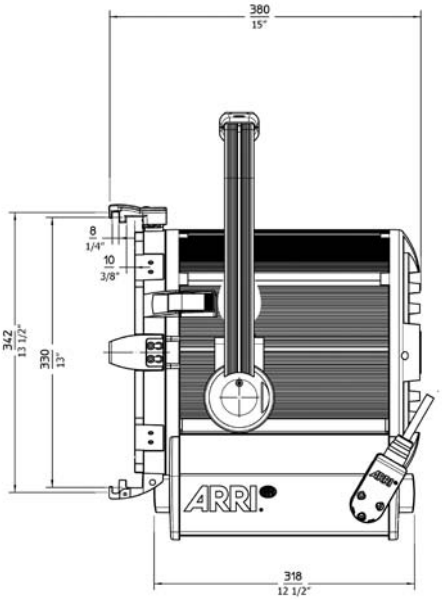
Photometric Data with CYX 2000W Lamp

Distance	15 ft. (4.6 m)	20 ft. (6.1 m)	25 ft. (7.6 m)	30 ft. (9.1 m)	40 ft. (12.2 m)
Spot Focus Beam Angle 13°					
Footcandles	930	523	335	232	131
Beam Diameter	3.4 ft. (1.0 m)	4.6 ft. (1.4 m)	5.7 ft. (1.7 m)	6.8 ft. (2.1 m)	9.1 ft. (2.8 m)
Medium Focus Beam Angle 30°					
Footcandles	321	181	116	80	45
Beam Diameter	8.0 ft. (2.4 m)	10.7 ft. (3.3 m)	13.4 ft. (4.1 m)	16.1 ft. (4.9 m)	21.4 ft. (6.5 m)
Flood Focus Beam Angle 58°					
Footcandles	135	76	49	34	19
Beam Diameter	16.6 ft. (5.1 m)	22.2 ft. (6.8 m)	27.7 ft. (8.4 m)	33.3 ft. (10.1 m)	44.3 ft. (13.5 m)

Spot Performance at any distance:	
Footcandles (or lux) = 209,175 ÷ Distance^2	Beam Diameter = Distance x 0.23
Medium Performance at any distance:	
Footcandles (or lux) = 72,200 ÷ Distance^2	Beam Diameter = Distance x 0.54
Flood Performance at any distance:	
Footcandles (or lux) = 30,425 ÷ Distance^2	Beam Diameter = Distance x 1.11

ST2 2000W Studio Fresnel





Cat. No.	Description
552200	ST2 2000W Studio Fresnel, Stand Model
552201	ST2 2000W Studio Fresnel, Hanging Model
552202	ST2 2000W Studio Fresnel, Stand Model, Black
552203	ST2 2000W Studio Fresnel, Hanging Model, Black
552205	ST2 2000W Studio Fresnel, Pole Operated
552210	Four Leaf Barndoor
552215	Eight Leaf Barndoor
532220	Filter Frame
532230	Snoot
512250	13" Full Single Scrim
512251	13" Half Single Scrim
512252	13" Full Double Scrim
512253	13" Half Double Scrim
571716	Scrim Bag
853276	Safety Cable
531510	Operating Pole for pole-op fixtures

Lamps

Code	CYX	CXZ	CYV	CP41
Watts	2000	1500	1000	2000
Volts	120	120	120	230
Color Temp (K)	3200	3200	3200	3200
Approx. Life (hrs)	300	300	200	400

Specifications

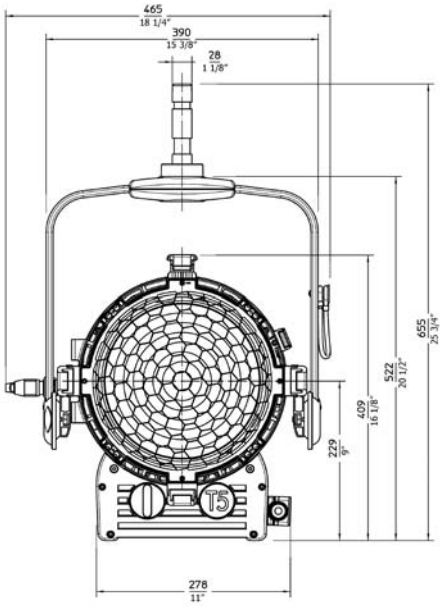
Weight	26.6 lbs. (12.1 kg) (Stand Model)
Cable	23.0 ft. (7.0 m) cable with inline switch; Hanging model with 3.0 ft. (1.0 m) cable w/o switch
Lens Diameter	10" (254 mm) low expansion borosilicate Fresnel lens
Reflector	Spherical specular high purity aluminum
Lampholder	G22/38
Mounting	1 1/8" (29 mm) stand; Hanging model with pipe clamp
Certification	NRTL-US-C; CE; IP23

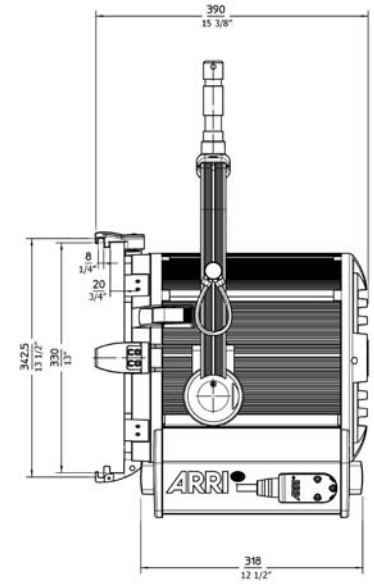
Photometric Data with CYX 2000W Lamp

Distance	15 ft. (4.6 m)	20 ft. (6.1 m)	25 ft. (7.6 m)	30 ft. (9.1 m)	40 ft. (12.2 m)
Spot Focus Beam Angle 10°					
Footcandles	1911	1075	688	478	269
Beam Diameter	2.6 ft. (0.8 m)	3.5 ft. (1.1 m)	4.4 ft. (1.3 m)	5.2 ft. (1.6 m)	7.0 ft. (2.1 m)
Medium Focus Beam Angle 30°					
Footcandles	423	238	152	106	60
Beam Diameter	8.0 ft. (2.4 m)	10.7 ft. (3.3 m)	13.4 ft. (4.1 m)	16.1 ft. (4.9 m)	21.4 ft. (6.5 m)
Flood Focus Beam Angle 54°					
Footcandles	202	114	73	50	28
Beam Diameter	15.3 ft. (4.7 m)	20.4 ft. (6.2 m)	25.5 ft. (7.8 m)	30.6 ft. (9.3 m)	40.8 ft. (12.4 m)

Spot Performance at any distance:	
Footcandles (or lux) = 429,950 ÷ Distance^2	Beam Diameter = Distance x 0.18
Medium Performance at any distance:	
Footcandles (or lux) = 95,200 ÷ Distance^2	Beam Diameter = Distance x 0.54
Flood Performance at any distance:	
Footcandles (or lux) = 45,400 ÷ Distance^2	Beam Diameter = Distance x 1.02

T5 5000W Fresnel





Cat. No.	Description
551500	T5 5000W Fresnel, Stand Model
551501	T5 5000W Fresnel, Hanging Model
551502	T5 5000W Fresnel, Stand Model, Black
551503	T5 5000W Fresnel, Hanging Model, Black
551505	T5 5000W Fresnel, Pole Operated
552210	Four Leaf Barndoor
552215	Eight Leaf Barndoor
532220	Filter Frame
532230	Snoot
512250	13" Full Single Scrim
512251	13" Half Single Scrim
512252	13" Full Double Scrim
512253	13" Half Double Scrim
571716	Scrim Bag
853276	Safety Cable
531510	Operating Pole for pole-op fixtures
531530	6K Dimmer (120V/50-60Hz)

Lamps

Code	DPY	CP29
Watts	5000	5000
Volts	120	230
Color Temp (K)	3200	3200
Approx. Life (hrs)	500	500

Specifications

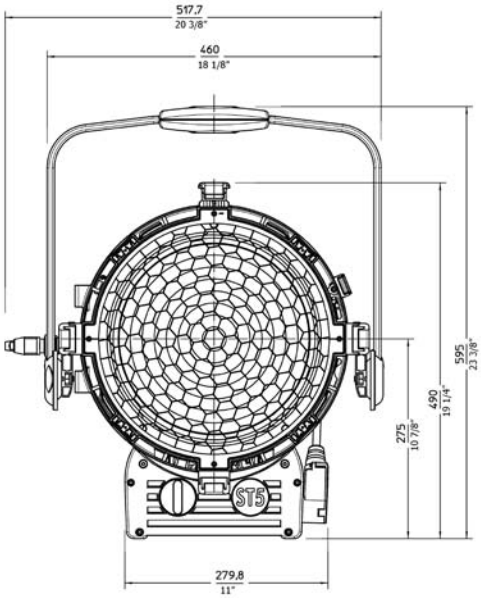
Weight	27.7 lbs. (12.6 kg) (Stand Model)
Cable	10.0 ft. (3.0 m) cable with inline switch; Hanging model with 3.0 ft. (1.0 m) cable w/o switch
Lens Diameter	10" (254 mm) low expansion borosilicate Fresnel lens
Reflector	Spherical specular high purity aluminum
Lampholder	G22/38
Mounting	1 1/8" (29 mm) stand; Hanging model with pipe clamp
Certification	NRTL-US-C; CE; IP23

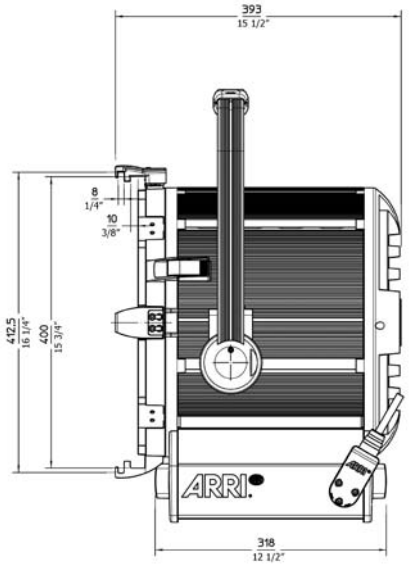
Photometric Data with DPY 5000W Lamp

Distance	20 ft. (6.1 m)	25 ft. (7.6 m)	30 ft. (9.1 m)	40 ft. (12.2 m)	50 ft. (15.2 m)
Spot Focus Beam Angle 15°					
Footcandles	1207	772	536	302	193
Beam Diameter	5.3 ft. (1.6 m)	6.6 ft. (2.0 m)	7.9 ft. (2.4 m)	10.5 ft. (3.2 m)	13.2 ft. (4.0 m)
Medium Focus Beam Angle 30°					
Footcandles	603	386	268	151	96
Beam Diameter	10.7 ft. (3.3 m)	13.4 ft. (4.1 m)	16.1 ft. (4.9 m)	21.4 ft. (6.5 m)	26.8 ft. (8.2 m)
Flood Focus Beam Angle 53°					
Footcandles	301	192	134	75	48
Beam Diameter	19.9 ft. (6.1 m)	24.9 ft. (7.6 m)	29.9 ft. (9.1 m)	39.9 ft. (12.2 m)	49.9 ft. (15.2 m)

Spot Performance at any distance:	
Footcandles (or lux) = 482,600 ÷ Distance^2	Beam Diameter = Distance x 0.26
Medium Performance at any distance:	
Footcandles (or lux) = 241,125 ÷ Distance^2	Beam Diameter = Distance x 0.54
Flood Performance at any distance:	
Footcandles (or lux) = 120,275 ÷ Distance^2	Beam Diameter = Distance x 1.00

ST5 5000W Studio Fresnel





Cat. No.	Description
552500	ST5 5000W Studio Fresnel, Stand Model
552501	ST5 5000W Studio Fresnel, Hanging Model
552502	ST5 5000W Studio Fresnel, Stand Model, Black
552503	ST5 5000W Studio Fresnel, Hanging Model, Black
552505	ST5 5000W Studio Fresnel, Pole Operated
552510	Four Leaf Barndoor
552515	Eight Leaf Barndoor
532520	Filter Frame
532530	Snoot
532550	15 1/2" Full Single Scrim
532551	15 1/2" Half Single Scrim
532552	15 1/2" Full Double Scrim
532553	15 1/2" Half Double Scrim
571716	Scrim Bag
853276	Safety Cable
531510	Operating Pole for pole-op fixtures
531530	6K Dimmer (120V/50-60Hz)

Lamps

Code	DPY	CP29
Watts	5000	5000
Volts	120	230
Color Temp (K)	3200	3200
Approx. Life (hrs)	500	500

Specifications

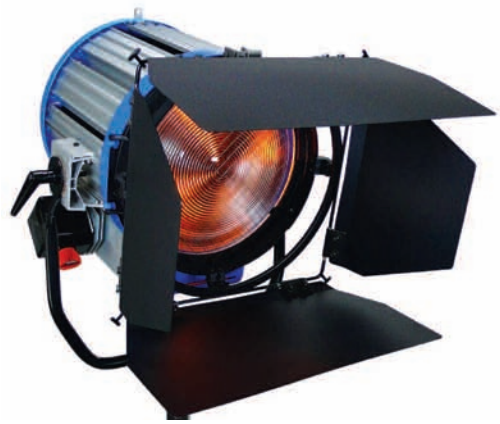
Weight	33.9 lbs. (15.4 kg) (Stand Model)
Cable	10.0 ft. (3.0 m) cable with inline switch; Hanging model with 3.0 ft. (1.0 m) cable w/o switch
Lens Diameter	11.8" (300 mm) low expansion borosilicate Fresnel lens
Reflector	Spherical specular high purity aluminum
Lampholder	G22/38
Mounting	1 1/8" (29 mm) stand; Hanging model with pipe clamp
Certification	NRTL-US-C; CE; IP23

Photometric Data with DPY 5000W Lamp

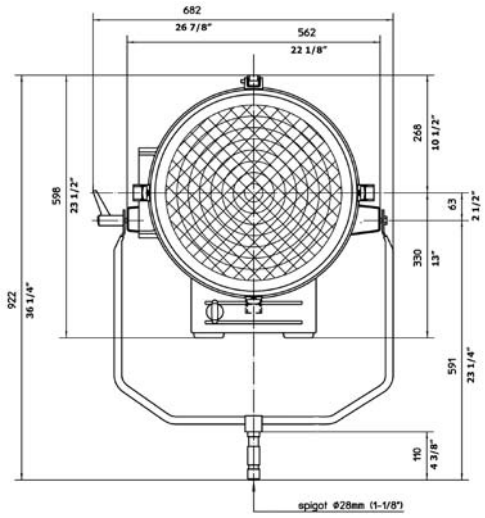
Distance	20 ft. (6.1 m)	25 ft. (7.6 m)	30 ft. (9.1 m)	40 ft. (12.2 m)	50 ft. (15.2 m)
Spot Focus Beam Angle 12°					
Footcandles	1469	940	653	367	235
Beam Diameter	4.2 ft. (1.3 m)	5.3 ft. (1.6 m)	6.3 ft. (1.9 m)	8.4 ft. (2.6 m)	10.5 ft. (3.2 m)
Medium Focus Beam Angle 30°					
Footcandles	627	401	279	157	100
Beam Diameter	10.7 ft. (3.3 m)	13.4 ft. (4.1 m)	16.1 ft. (4.9 m)	21.4 ft. (6.5 m)	26.8 ft. (8.2 m)
Flood Focus Beam Angle 61°					
Footcandles	246	157	109	61	39
Beam Diameter	23.6 ft. (7.2 m)	29.5 ft. (9.0 m)	35.3 ft. (10.8 m)	47.1 ft. (14.4 m)	58.9 ft. (18.0 m)

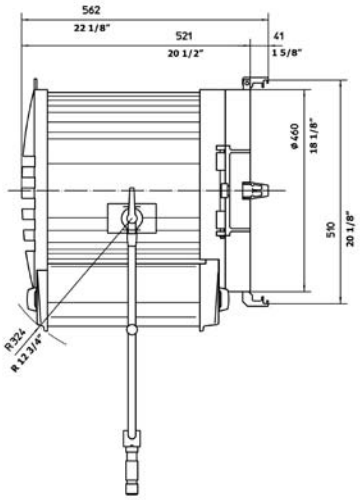
Spot Performance at any distance:	
Footcandles (or lux) = 587,500 ÷ Distance^2	Beam Diameter = Distance x 0.21
Medium Performance at any distance:	
Footcandles (or lux) = 250,850 ÷ Distance^2	Beam Diameter = Distance x 0.54
Flood Performance at any distance:	
Footcandles (or lux) = 98,375 ÷ Distance^2	Beam Diameter = Distance x 1.18

ARRI T12 12000W Fresnel



Cat. No.	Description
533100	T12 Stand Model (120V)
533102	T12 Stand Model (220V)
533110	Four Leaf Barndoor
533120	Filter Frame
533160	Outrigger Color Frame
533150	19 1/2" Full Single Scrim
533151	19 1/2" Half Single Scrim
533152	19 1/2" Full Double Scrim
533153	19 1/2" Half Double Scrim
571718	Scrim Bag
853276	Safety Cable
531510	Operating Pole for pole-op fixtures
533130	12K Dimmer (120V/50-60Hz)





Lamps

Code	KP120H/120	DTY	KP120H/220	CP83
Watts	12000	10000	12000	10000
Volts	120	120	230	230
Color Temp (K)	3400	3200	3400	3200
Approx. Life (hrs)	150	300	150	300

Specifications

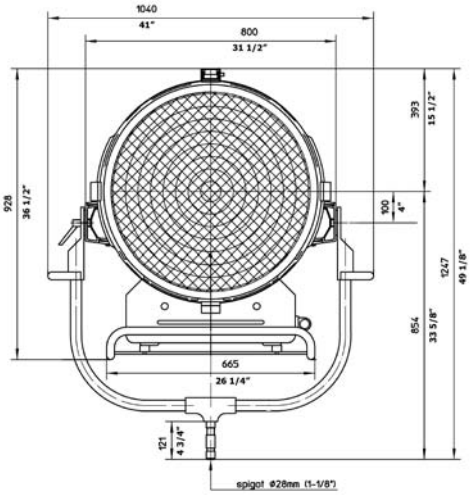
Weight	64 lbs. (29 kg)
Cable	6.6 ft. (2.0 m)
Lens Diameter	16.7" (424 mm) low expansion borosilicate Fresnel lens
Reflector	Spherical specular high purity aluminum
Lampholder	G38
Mounting	1 1/8" (29 mm) stand mount

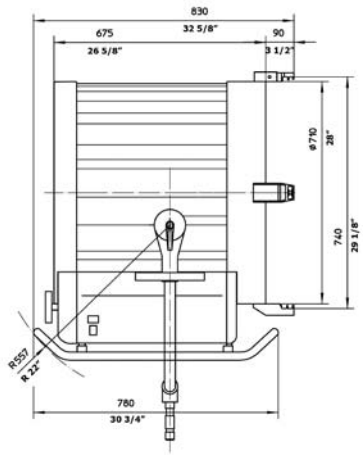
Photometric Data with 12000W 120V Lamp

Distance	20 ft. (6.1 m)	25 ft. (7.6 m)	30 ft. (9.1 m)	40 ft. (12.2 m)	50 ft. (15.2 m)
Spot Focus Beam Angle 13°					
Footcandles	3775	2416	1678	944	604
Beam Diameter	4.6 ft. (1.4 m)	5.7 ft. (1.7 m)	6.8 ft. (2.1 m)	9.1 ft. (2.8 m)	11.4 ft. (3.5 m)
Medium Focus Beam Angle 30°					
Footcandles	1388	888	617	347	222
Beam Diameter	10.7 ft. (3.3 m)	13.4 ft. (4.1 m)	16.1 ft. (4.9 m)	21.4 ft. (6.5 m)	26.8 ft. (8.2 m)
Flood Focus Beam Angle 63°					
Footcandles	541	346	241	135	87
Beam Diameter	24.5 ft. (7.5 m)	30.6 ft. (9.3 m)	36.8 ft. (11.2 m)	49.0 ft. (14.9 m)	61.3 ft. (18.7 m)

Spot Performance at any distance:	
Footcandles (or lux) = 1,510,000 ÷ Distance^2	Beam Diameter = Distance x 0.23
Medium Performance at any distance:	
Footcandles (or lux) = 555,200 ÷ Distance^2	Beam Diameter = Distance x 0.54
Flood Performance at any distance:	
Footcandles (or lux) = 216,400 ÷ Distance^2	Beam Diameter = Distance x 1.23

ARRI T24 24000W Fresnel





Cat. No.	Description
533200	T24 24000W Fresnel
563210	Four Leaf Barndoor
533250	29" Full Single Scrim
533251	29" Half Single Scrim
533252	29" Full Double Scrim
533253	29" Half Double Scrim
571720	Scrim Bag
853276	Safety Cable
533230	24K Dimmer (220V, 60Hz)

Lamps

Code	KP240H/220	BCM
Watts	24000	20000
Volts	220	220
Color Temp (K)	3400	3200
Approx. Life (hrs)	150	300

Specifications

Weight	134 lbs. (60.8 kg)
Cable	6.6 ft. (2.0 m)
Lens Diameter	24.6" (625 mm) low expansion borosilicate Fresnel lens
Reflector	Spherical specular high purity aluminum
Lampholder	G38
Mounting	1 1/8" (29 mm) stand mount

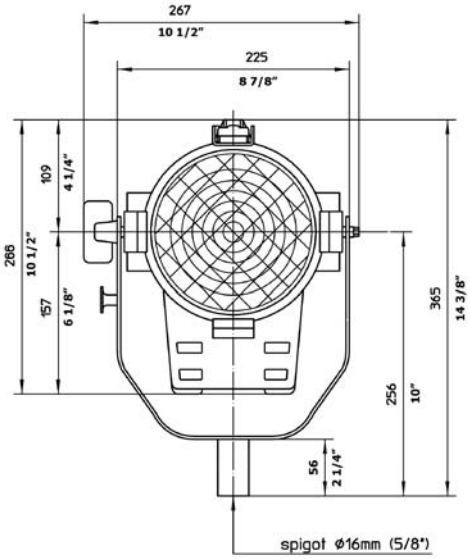
Photometric Data with 24000W Lamp

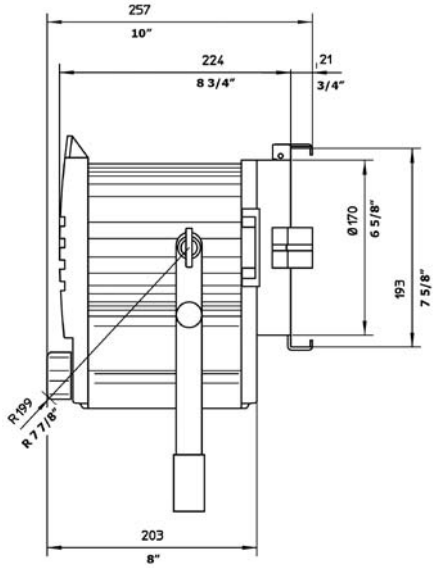
Distance	35 ft. (10.7 m)	40 ft. (12.2 m)	60 ft. (18.3 m)	80 ft. (24.4 m)	100 ft. (30.5 m)
Spot Focus Beam Angle 14°					
Footcandles	3780	2894	1286	724	463
Beam Diameter	8.6 ft. (2.6 m)	9.8 ft. (3.0 m)	14.7 ft. (4.5 m)	19.6 ft. (6.0 m)	24.6 ft. (7.5 m)
Medium Focus Beam Angle 30°					
Footcandles	1331	1019	453	255	163
Beam Diameter	18.8 ft. (5.7 m)	21.4 ft. (6.5 m)	32.2 ft. (9.8 m)	42.9 ft. (13.1 m)	53.6 ft. (16.3 m)
Flood Focus Beam Angle 55°					
Footcandles	648	496	221	124	79
Beam Diameter	36.4 ft. (11.1 m)	41.6 ft. (12.7 m)	62.5 ft. (19.1 m)	83.3 ft. (25.4 m)	104.1 ft. (31.7 m)

Spot Performance at any distance:	
Footcandles (or lux) = 4,630,400 ÷ Distance^2	Beam Diameter = Distance x 0.25
Medium Performance at any distance:	
Footcandles (or lux) = 1,630,400 ÷ Distance^2	Beam Diameter = Distance x 0.54
Flood Performance at any distance:	
Footcandles (or lux) = 793,600 ÷ Distance^2	Beam Diameter = Distance x 1.04

TO BE DISCONTINUED SUMMER 2008

1000W Plus Fresnel





Cat. No.	Description
531100	1000W Plus Fresnel, Stand Model
531101	1000W Plus Fresnel, Hanging Model
531102	1000W Plus Fresnel, Stand Model, Black
531103	1000W Plus Fresnel, Hanging Model, Black
531105	1000W Plus Fresnel, Pole Operated
531110	Four Leaf Barndoor
531115	Eight Leaf Barndoor
531120	Filter Frame
531130	Snoot
531150	7 3/4" Full Single Scrim
531151	7 3/4" Half Single Scrim
531152	7 3/4" Full Double Scrim
531153	7 3/4" Half Double Scrim
571712	Scrim Bag
853276	Safety Cable
571740	1800W Digital Dimmer
571197	Heavy Duty Case

Lamps

Code	EGT	EGR	CP40
Watts	1000	750	1000
Volts	120	120	230
Color Temp (K)	3200	3200	3200
Approx. Life (hrs)	250	200	200

Specifications

Weight	10.6 lbs. (4.8 kg)
Cable	25 ft. (7.6 m) cable with inline switch; Hanging model with 2.5 ft. (0.8 m) cable w/o switch
Lens Diameter	5.1" (130 mm) low expansion borosilicate Fresnel lens
Reflector	Spherical specular high purity aluminum
Lampholder	G22
Mounting	Combination mount for 5/8" (16 mm) stand or 1 1/8" (29 mm) stand; Hanging model with pipe clamp

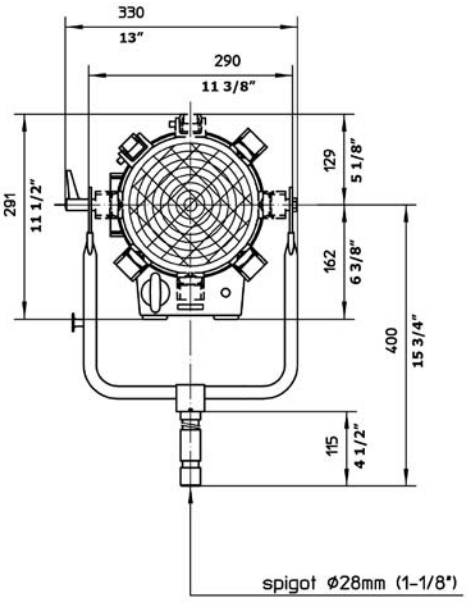
Photometric Data with EGT 1000W Lamp

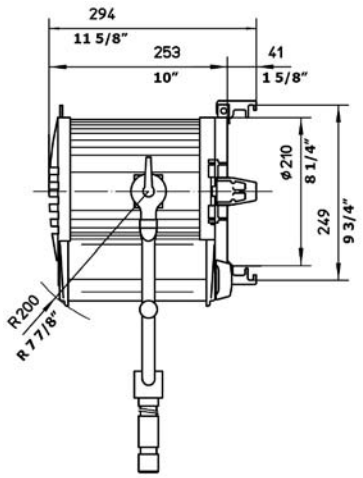
Distance	10 ft. (3.0 m)	15 ft. (4.6 m)	20 ft. (6.1 m)	25 ft. (7.6 m)	30 ft. (9.1 m)
Spot Focus Beam Angle 10°					
Footcandles	1123	499	281	180	125
Beam Diameter	1.7 ft. (0.5 m)	2.6 ft. (0.8 m)	3.5 ft. (1.1 m)	4.4 ft. (1.3 m)	5.2 ft. (1.6 m)
Medium Focus Beam Angle 30°					
Footcandles	358	159	89	57	40
Beam Diameter	5.4 ft. (1.6 m)	8.0 ft. (2.4 m)	10.7 ft. (3.3 m)	13.4 ft. (4.1 m)	16.1 ft. (4.9 m)
Flood Focus Beam Angle 54°					
Footcandles	178	79	45	29	20
Beam Diameter	10.2 ft. (3.1 m)	15.3 ft. (4.7 m)	20.4 ft. (6.2 m)	25.5 ft. (7.8 m)	30.6 ft. (9.3 m)

Spot Performance at any distance:	
Footcandles (or lux) = 112,300 ÷ Distance^2	Beam Diameter = Distance x 0.18
Medium Performance at any distance:	
Footcandles (or lux) = 35,800 ÷ Distance^2	Beam Diameter = Distance x 0.54
Flood Performance at any distance:	
Footcandles (or lux) = 17,800 ÷ Distance^2	Beam Diameter = Distance x 1.02

TO BE DISCONTINUED SUMMER 2008

1000W Studio Fresnel





Cat. No.	Description
532100	1000W Studio Fresnel, Stand Model
532101	1000W Studio Fresnel, Hanging Model
532105	1000W Studio Fresnel, Pole Operated
531210	Four Leaf Barndoor
531215	Eight Leaf Barndoor
531220	Filter Frame
531230	Snoot
531250	9" Full Single Scrim
531251	9" Half Single Scrim
531252	9" Full Double Scrim
531253	9" Half Double Scrim
571714	Scrim Bag
853276	Safety Cable
531510	Operating Pole for pole-op fixtures
571740	1800W Digital Dimmer

Lamps

Code	EGT	EGR	CP40
Watts	1000	750	1000
Volts	120	120	230
Color Temp (K)	3200	3200	3200
Approx. Life (hrs)	250	200	200

Specifications

Weight	15.2 lbs. (6.9 kg)
Cable	25 ft. (7.6 m) cable with inline switch; Hanging model with 2.5 ft. (0.8 m) cable w/o switch
Lens Diameter	6.9" (175 mm) low expansion borosilicate Fresnel lens
Reflector	Spherical specular high purity aluminum
Lampholder	G22
Mounting	Combination mount for 5/8" (16 mm) stand or 1 1/8" (29 mm) stand mount; Hanging model with pipe clamp

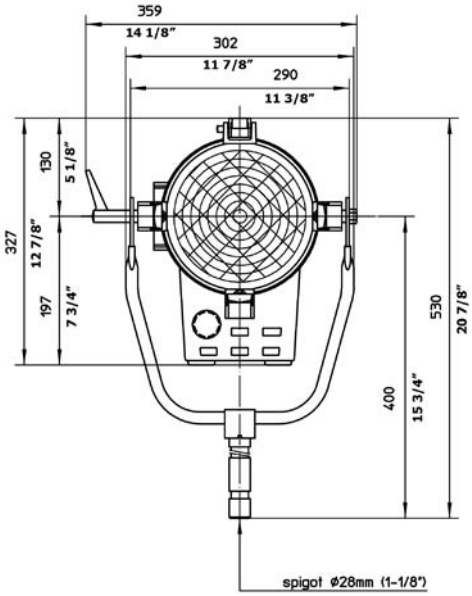
Photometric Data with EGT 1000W Lamp

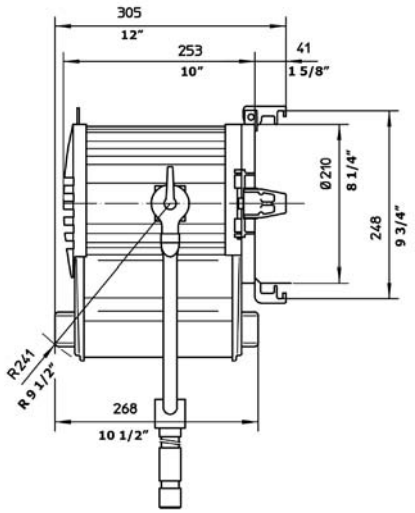
Distance	10 ft. (3.0 m)	15 ft. (4.6 m)	20 ft. (6.1 m)	25 ft. (7.6 m)	30 ft. (9.1 m)
Spot Focus Beam Angle 8°					
Footcandles	1638	728	409	262	182
Beam Diameter	1.4 ft. (0.4 m)	2.1 ft. (0.6 m)	2.8 ft. (0.9 m)	3.5 ft. (1.1 m)	4.2 ft. (1.3 m)
Medium Focus Beam Angle 30°					
Footcandles	395	176	99	63	44
Beam Diameter	5.4 ft. (1.6 m)	8.0 ft. (2.4 m)	10.7 ft. (3.3 m)	13.4 ft. (4.1 m)	16.1 ft. (4.9 m)
Flood Focus Beam Angle 56°					
Footcandles	173	77	43	28	19
Beam Diameter	10.6 ft. (3.2 m)	16.0 ft. (4.9 m)	21.3 ft. (6.5 m)	26.6 ft. (8.1 m)	31.9 ft. (9.7 m)

Spot Performance at any distance:	
Footcandles (or lux) = 163,800 ÷ Distance^2	Beam Diameter = Distance x 0.14
Medium Performance at any distance:	
Footcandles (or lux) = 39,500 ÷ Distance^2	Beam Diameter = Distance x 0.54
Flood Performance at any distance:	
Footcandles (or lux) = 17,300 ÷ Distance^2	Beam Diameter = Distance x 1.07

TO BE DISCONTINUED SUMMER 2008

2000W Fresnel





Cat. No.	Description
531200	2000W Fresnel, Stand Model
531201	2000W Fresnel, Hanging Model
531202	2000W Fresnel, Stand Model, Black
531203	2000W Fresnel, Hanging Model, Black
531205	2000W Fresnel, Pole Operated
531210	Four Leaf Barndoor
531215	Eight Leaf Barndoor
531220	Filter Frame
531230	Snoot
531250	9" Full Single Scrim
531251	9" Half Single Scrim
531252	9" Full Double Scrim
531253	9" Half Double Scrim
571714	Scrim Bag
853276	Safety Cable
531510	Operating Pole for pole-op fixtures

Lamps

Code	CYX	CXZ	CYV	CP41
Watts	2000	1500	1000	2000
Volts	120	120	120	230
Color Temp (K)	3200	3200	3200	3200
Approx. Life (hrs)	300	300	200	400

Specifications

Weight	17 lbs. (7.7 kg)
Cable	25 ft. (7.6 m) cable with inline switch; Hanging model with 2.5 ft. (0.8 m) cable w/o switch
Lens Diameter	6.9" (175 mm) low expansion borosilicate Fresnel lens
Reflector	Spherical specular high purity aluminum
Lampholder	G38
Mounting	1 1/8" (29 mm) stand mount; Hanging model with pipe clamp

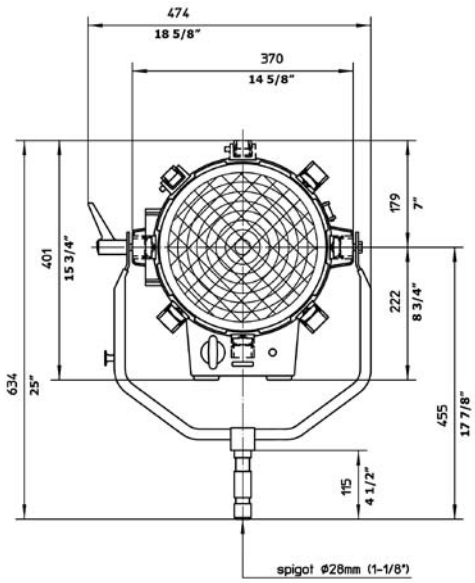
Photometric Data with CYX 2000W Lamp

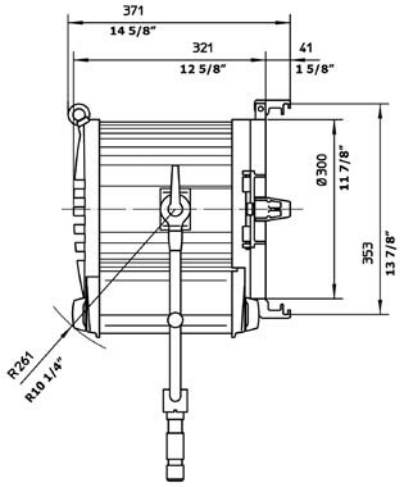
Distance	15 ft. (4.6 m)	20 ft. (6.1 m)	25 ft. (7.6 m)	30 ft. (9.1 m)	40 ft. (12.2 m)
Spot Focus Beam Angle 13°					
Footcandles	749	421	270	187	105
Beam Diameter	3.4 ft. (1.0 m)	4.6 ft. (1.4 m)	5.7 ft. (1.7 m)	6.8 ft. (2.1 m)	9.1 ft. (2.8 m)
Medium Focus Beam Angle 30°					
Footcandles	326	183	117	81	46
Beam Diameter	8.0 ft. (2.5 m)	10.7 ft. (3.3 m)	13.4 ft. (4.1 m)	16.1 ft. (4.9 m)	21.4 ft. (6.5 m)
Flood Focus Beam Angle 61°					
Footcandles	126	71	45	31	18
Beam Diameter	17.7 ft. (5.4 m)	23.6 ft. (7.2 m)	29.5 ft. (9.0 m)	35.3 ft. (10.8 m)	47.1 ft. (14.4 m)

Spot Performance at any distance:	
Footcandles (or lux) = 168,525 ÷ Distance^2	Beam Diameter = Distance x 0.23
Medium Performance at any distance:	
Footcandles (or lux) = 73,350 ÷ Distance^2	Beam Diameter = Distance x 0.54
Flood Performance at any distance:	
Footcandles (or lux) = 28,350 ÷ Distance^2	Beam Diameter = Distance x 1.18

TO BE DISCONTINUED SUMMER 2008

2000W Studio Fresnel





Cat. No.	Description
532200	2000W Studio Fresnel, Stand Model
532201	2000W Studio Fresnel, Hanging Model
532202	2000W Studio Fresnel, Stand Model, Black
522203	2000W Studio Fresnel, Hanging Model, Black
532205	2000W Studio Fresnel, Pole Operated
532210	Four Leaf Barndoor
532215	Eight Leaf Barndoor
532220	Filter Frame
532260	Outrigger Color Frame
532230	Snoot
512250	13" Full Single Scrim
512251	13" Half Single Scrim
512252	13" Full Double Scrim
512253	13" Half Double Scrim
571716	Scrim Bag
853276	Safety Cable
531510	Operating Pole for pole-op fixtures

Lamps

Code	CYX	CXZ	CYV	CP41
Watts	2000	1500	1000	2000
Volts	120	120	120	230
Color Temp (K)	3200	3200	3200	3200
Approx. Life (hrs)	300	300	200	400

Specifications

Weight	27 lbs. (12.2 kg)
Cable	25 ft. (7.6 m) cable with inline switch; Hanging model with 2.5 ft. (0.8 m) cable w/o switch
Lens Diameter	10" (254 mm) low expansion borosilicate Fresnel lens
Reflector	Spherical specular high purity aluminum
Lampholder	G38
Mounting	1 1/8" (29 mm) stand; Hanging model with pipe clamp

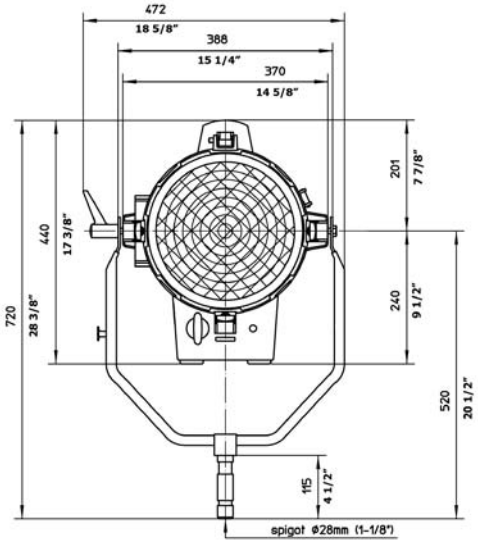
Photometric Data with CYX 2000W Lamp

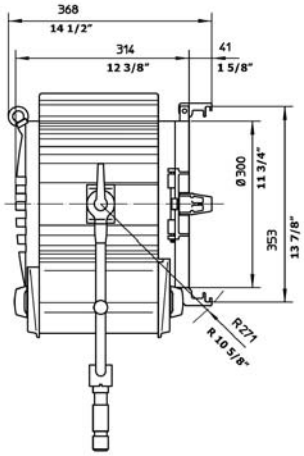
Distance	15 ft. (4.6 m)	20 ft. (6.1 m)	25 ft. (7.6 m)	30 ft. (9.1 m)	40 ft. (12.2 m)
Spot Focus Beam Angle 10°					
Footcandles	1289	725	464	322	181
Beam Diameter	2.6 ft. (0.8 m)	3.5 ft. (1.1 m)	4.4 ft. (1.3 m)	5.2 ft. (1.6 m)	7.0 ft. (2.1 m)
Medium Focus Beam Angle 30°					
Footcandles	374	211	135	94	53
Beam Diameter	8.0 ft. (2.4 m)	10.7 ft. (3.3 m)	13.4 ft. (4.1 m)	16.1 ft. (4.9 m)	21.4 ft. (6.5 m)
Flood Focus Beam Angle 50°					
Footcandles	196	110	70	49	28
Beam Diameter	14.0 ft. (4.3 m)	18.7 ft. (5.7 m)	23.3 ft. (7.1 m)	28.0 ft. (8.5 m)	37.3 ft. (11.4 m)

Spot Performance at any distance:	
Footcandles (or lux) = 290,025 ÷ Distance^2	Beam Diameter = Distance x 0.18
Medium Performance at any distance:	
Footcandles (or lux) = 84,150 ÷ Distance^2	Beam Diameter = Distance x 0.54
Flood Performance at any distance:	
Footcandles (or lux) = 44,100 ÷ Distance^2	Beam Diameter = Distance x 0.93

TO BE DISCONTINUED SUMMER 2008

5000W Fresnel





Cat. No.	Description
531500	5000W Fresnel, Stand Model
531501	5000W Fresnel, Hanging Model
531505	5000W Fresnel, Pole Operated
532210	Four Leaf Barndoor
532215	Eight Leaf Barndoor
532220	Filter Frame
532260	Outrigger Color Frame
532230	Snoot
512250	13" Full Single Scrim
512251	13" Half Single Scrim
512252	13" Full Double Scrim
512253	13" Half Double Scrim
571716	Scrim Bag
853276	Safety Cable
531510	Operating Pole for pole-op fixtures
531530	6K Dimmer (120V/50-60Hz)

Lamps

Code	DPY	CP29
Watts	5000	5000
Volts	120	230
Color Temp (K)	3200	3200
Approx. Life (hrs)	500	500

Specifications

Weight	34 lbs. (15.4 kg)
Cable	25 ft. (7.6 m) cable with inline switch; Hanging model with 2.5 ft. (0.8 m) cable w/o switch
Lens Diameter	10" (254 mm) low expansion borosilicate Fresnel lens
Reflector	Spherical specular high purity aluminum
Lampholder	G38
Mounting	1 1/8" (29 mm) stand mount; Hanging model with pipe clamp

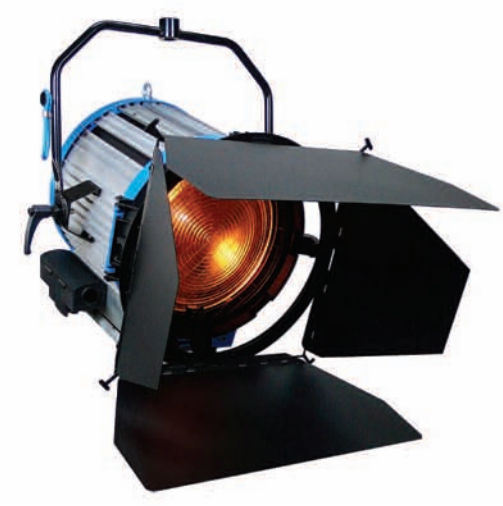
Photometric Data with DPY 5000W Lamp

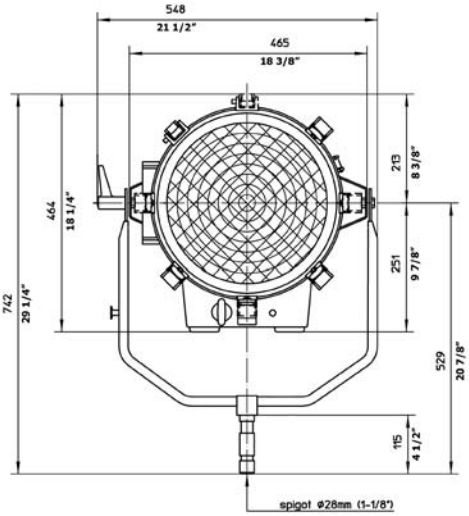
Distance	20 ft. (6.1 m)	25 ft. (7.6 m)	30 ft. (9.1 m)	40 ft. (12.2 m)	50 ft. (15.2 m)
Spot Focus Beam Angle 15°					
Footcandles	900	576	400	225	144
Beam Diameter	5.3 ft. (1.6 m)	6.6 ft. (2.0 m)	7.9 ft. (2.4 m)	10.5 ft. (3.2 m)	13.2 ft. (4.0 m)
Medium Focus Beam Angle 30°					
Footcandles	485	310	216	121	78
Beam Diameter	10.7 ft. (3.3 m)	13.4 ft. (4.1 m)	16.1 ft. (4.9 m)	21.4 ft. (6.5 m)	26.8 ft. (8.2 m)
Flood Focus Beam Angle 53°					
Footcandles	198	126	88	49	32
Beam Diameter	19.9 ft. (6.1 m)	24.9 ft. (7.6 m)	29.9 ft. (9.1 m)	39.9 ft. (12.2 m)	49.9 ft. (15.2 m)

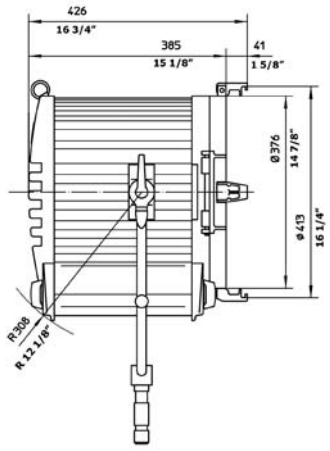
Spot Performance at any distance:	
Footcandles (or lux) = 360,000 ÷ Distance^2	Beam Diameter = Distance x 0.26
Medium Performance at any distance:	
Footcandles (or lux) = 194,000 ÷ Distance^2	Beam Diameter = Distance x 0.54
Flood Performance at any distance:	
Footcandles (or lux) = 79,200 ÷ Distance^2	Beam Diameter = Distance x 1.00

TO BE DISCONTINUED SUMMER 2008

5000W Studio Fresnel







Cat. No. / Description

Cat. No.	Description
532500	5000W Studio Fresnel, Stand Model
532501	5000W Studio Fresnel, Hanging Model
532505	5000W Studio Fresnel, Pole Operated
532510	Four Leaf Barndoor
532515	Eight Leaf Barndoor
532520	Filter Frame
532560	Outrigger Color Frame
532530	Snoot
532550	15 1/2" Full Single Scrim
532551	15 1/2" Half Single Scrim
532552	15 1/2" Full Double Scrim
532553	15 1/2" Half Double Scrim
571716	Scrim Bag
853276	Safety Cable
531510	Operating Pole for pole-op fixtures
531530	6K Dimmer (120V/50-60Hz)

Lamps

Code	DPY	CP29
Watts	5000	5000
Volts	120	230
Color Temp (K)	3200	3200
Approx. Life (hrs)	500	500

Specifications

Weight	39 lbs. (17.7 kg)
Cable	25 ft. (7.6 m) cable with inline switch; Hanging model with 2.5 ft. (0.8 m) cable w/o switch
Lens Diameter	11.8" (300 mm) low expansion borosilicate Fresnel lens
Reflector	Spherical specular high purity aluminum
Lampholder	G38
Mounting	1 1/8" (29 mm) stand mount; Hanging model with pipe clamp

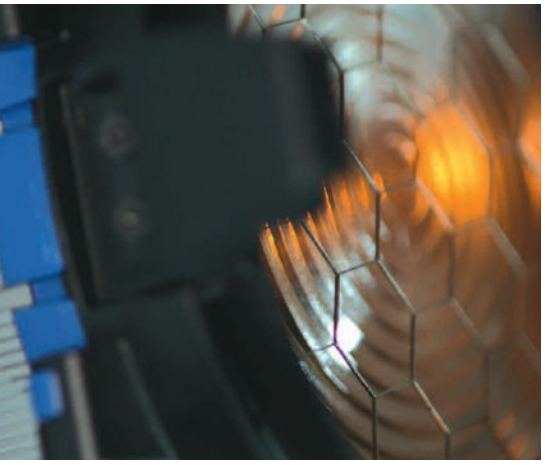
Photometric Data with DPY 5000W Lamp

Distance	20 ft. (6.1 m)	25 ft. (7.6 m)	30 ft. (9.1 m)	40 ft. (12.2 m)	50 ft. (15.2 m)
Spot Focus Beam Angle 12°					
Footcandles	1338	856	595	334	214
Beam Diameter	4.2 ft. (1.3 m)	5.3 ft. (1.6 m)	6.3 ft. (1.9 m)	8.4 ft. (2.6 m)	10.5 ft. (3.2 m)
Medium Focus Beam Angle 30°					
Footcandles	503	322	224	126	81
Beam Diameter	10.7 ft. (3.3 m)	13.4 ft. (4.1 m)	16.1 ft. (4.9 m)	21.4 ft. (6.5 m)	26.8 ft. (8.2 m)
Flood Focus Beam Angle 61°					
Footcandles	218	140	97	55	35
Beam Diameter	23.6 ft. (7.2 m)	29.5 ft. (9.0 m)	35.3 ft. (10.8 m)	47.1 ft. (14.4 m)	58.9 ft. (18.0 m)

Spot Performance at any distance:	
Footcandles (or lux) = 535,200 ÷ Distance^2	Beam Diameter = Distance x 0.21
Medium Performance at any distance:	
Footcandles (or lux) = 201,200 ÷ Distance^2	Beam Diameter = Distance x 0.54
Flood Performance at any distance:	
Footcandles (or lux) = 87,200 ÷ Distance^2	Beam Diameter = Distance x 1.18

TRUE BLUE

New Location & Studio Fresnels




ARRI

THE EVOLUTION

Of Authentic ARRI TRUE BLUE Lighting

ARRI TRUE BLUES represent an unprecedented evolution of the Studio and Location fixtures that have been popular workhorses for over two decades. Following extensive research and feedback from lighting professionals around the world, combined with advances in technology, ARRI has designed a series of six highly innovative lampheads with over 30 new improvements for studio and location lighting. With reduced weight, compact size and maximum light output TRUE BLUES set a new standard for professional lighting equipment.

New pressure die cast and extruded aluminum components have reduced the overall weight of the TRUE BLUE fixtures without any sacrifice in quality or durability. Many components now offer greater strength and resistance to corrosion.

ARRI's cross cooling system* reduces lamp housing temperature by 25% and lens temperature by 17%. With special air channels built into the aluminum extrusion, a constant stream of air passes around the Fresnel lens and into the lamphead regardless of the tilt angle.

At the heart of the TRUE BLUE concept is a redesigned stirrup and improved tilt lock. The stainless steel friction disc locks the lamphead securely even with the largest Chimera or other accessories. To make lamphead balance even easier, the stirrup mounting slides and can be adjusted to counterbalance all accessories. The new extruded aluminum stirrup is stronger, lighter and less bulky but still permits full fixture rotation. Its soft contour makes it comfortable to carry.

Improved barndoors are stronger, less susceptible to bending and a new hinge design maintains constant tension that can be easily adjusted.

Routine maintenance and repair are easier with fast, simple access to all internal components. Cleaning is made effortless with smooth lamp housing surfaces.

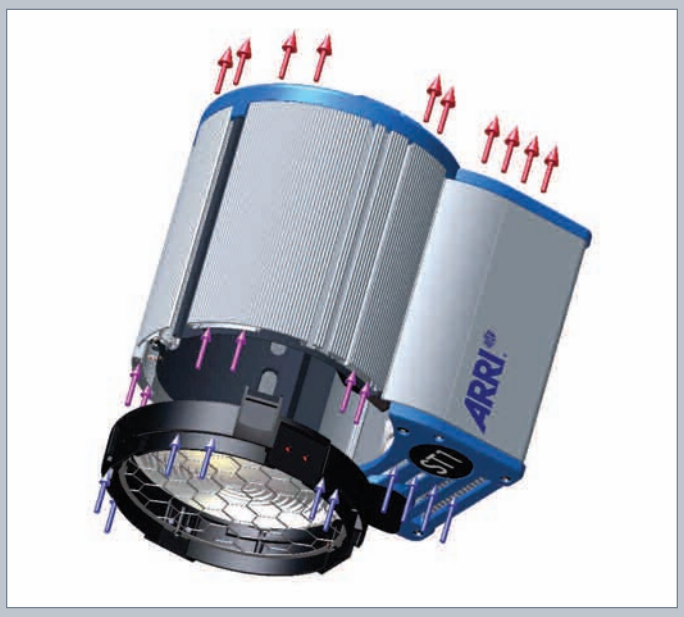
ARRI has redesigned these new lights down to the smallest detail, offering lighting professionals better choices for location and studio work. TRUE BLUE Fresnels from 1000 to 5000W include the T1, T2, T5, ST1, ST2 and ST5.

** Patent pending*

Cross Cooling

ARRI's cross cooling system moves a stream of air around the Fresnel lens and through the lamphead. In addition, air is channeled through the aluminum extrusion housing reducing lens temperature by 17% and housing temperatures by 25%. Cross cooling allows ARRI TRUE BLUES to safely operate at almost any tilt angle.

Patent pending



Sliding Stirrup

Modern fixtures use a wide variety of Chimeras, scrollers and other front mounted accessories. Simply slide ARRI's unique stirrup bracket to quickly and easily adjust the fixture's center of gravity.

* Due to the smaller size of the fixture, the sliding stirrup is not used on the T1.

Tilt Lock

ARRI's new design creates a positive lock so there's no slippage when using heavy accessories. A stainless steel friction disc functions like a disc brake allowing the lamphead to be completely locked off with a minimum of force.

* Due to the smaller size of the fixture, the friction disc tilt lock is not used on the T1.

Top Latch

Sometimes simple and reliable is the best answer. The new ARRI spring loaded Top Latch lifts and turns completely out of the way to load and unload scrims and barndoors, then pivots back into its locked position.

Adjustable Accessory Brackets

Finally an easy solution to an old problem. Location crews need space in the accessory bracket for up to four scrims; studio crews suffer from the light leak this creates. Now TRUE BLUE accessory brackets quickly adjust for two or four scrim use.

Maintenance

TRUE BLUE fixtures have been designed for serviceability with more common parts across the line. Removing six universal Torx screws provides easy access to all interior parts. TRUE BLUES require only three Torx drivers to disassemble the complete fixture.

ARRI's new aluminum extrusion makes cleaning fixtures easy and our new paint process ensures that TRUE BLUES will look as great as they perform.

IP23

TRUE BLUE fixtures are manufactured to the IP23 standard and are suitable for indoor use or outdoor use providing a degree of protection against falling rain (up to a 60° angle from vertical).

Barndoors

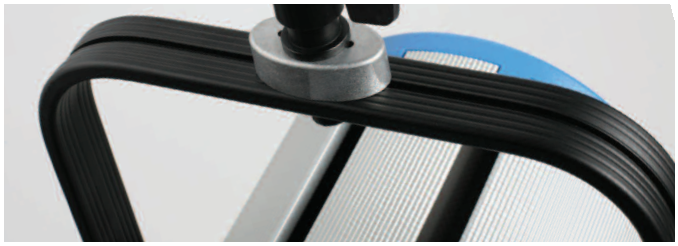
New ARRI barndoors use a special alloy with a high strength-to-weight ratio. Although lighter in weight, the leaves in our new design withstand bending and deforming far better than traditional barndoors. In addition, leaves are now easily tightened to avoid slipping and the larger leaf design provides better control and sharper cutoff.

Stainless Steel Lens Protection

The laser cut hexagonal safety mesh maximizes light transmission and is tough enough to withstand location abuse.

Stirrup Contour

Easy to carry, ARRI's new aluminum extrusion stirrup is smooth, incredibly strong and extremely lightweight.



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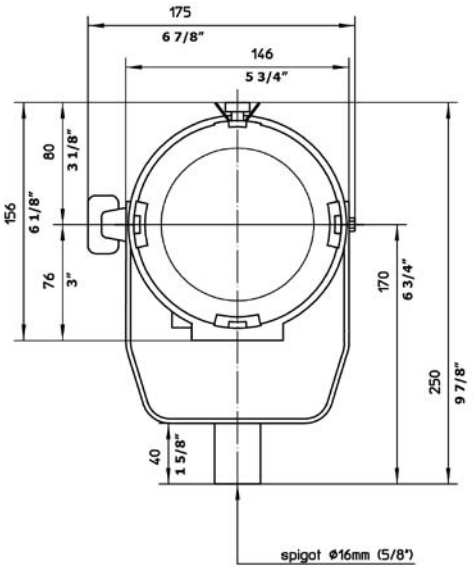
ARRILITES

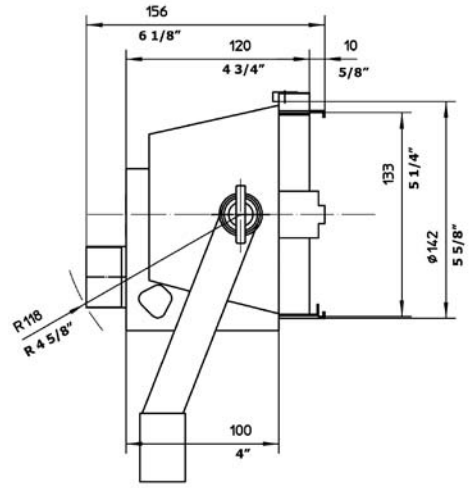
ARRILITES

ARRILITES are a popular fixture when maximum light output and portability is desired. These lensless 'open face' fixtures are ideal for creating a fill light source by bouncing light off a surface or into a diffused Softbank. ARRILITES' Cool Touch thermoplastic housing makes the fixture ideal for quick setups and easy handling.

ARRILITES are available as a tungsten source from 600W to 2000W. The ARRILITE 1000 is the anchor product in all ARRI Softbank lighting kits.

ARRILITE 600





Cat. No.	Description
571600	ARRILITE 600
571610	Four Leaf Barndoor
571620	Safety Glass
531350	5" Full Single Scrim
531351	5" Half Single Scrim
531352	5" Full Double Scrim
531353	5" Half Double Scrim
571711	Scrim Bag
853276	Safety Cable
571654	Dichroic Filter
571661	Handgrip
570111	ARRI Umbrella
570026	ARRI Umbrella Holder
571740	1800W Digital Dimmer
571192W	Compact 4-Light Case with wheels

Lamps

Code	DYS	EKB	DYG	DYR
Watts	600	420	250	650
Volts	120	120	30	220
Color Temp (K)	3200	3200	3200	3200
Approx. Life (hrs)	75	75	15	50

Specifications

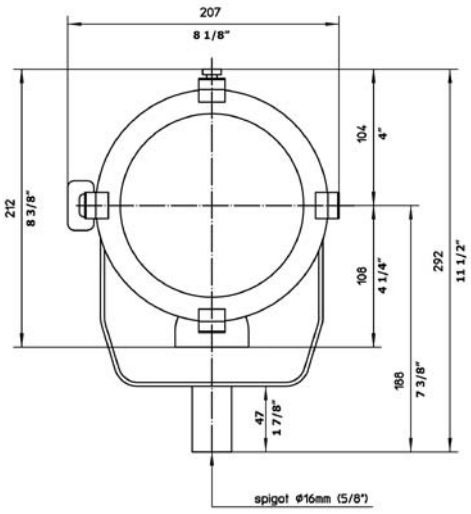
Weight	3.6 lbs. (1.6 kg)
Cable	11.5 ft. (3.5 m) cable with inline switch
Reflector	High purity aluminum
Lampholder	GY9.5
Mounting	5/8" (16 mm) stand mount

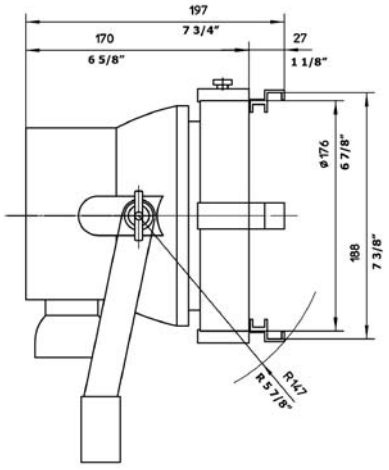
Photometric Data with DYS 600W Lamp

Distance	5 ft. (1.5 m)	10 ft. (3.0 m)	15 ft. (4.6 m)	20 ft. (6.1 m)
Spot Focus Beam Angle 20°				
Footcandles	1980	495	220	124
Beam Diameter	1.8 ft. (0.5 m)	3.5 ft. (1.1 m)	5.3 ft. (1.6 m)	7.1 ft. (2.2 m)
Medium Focus Beam Angle 50°				
Footcandles	817	204	91	51
Beam Diameter	4.7 ft. (1.4 m)	9.3 ft. (2.8 m)	14.0 ft. (4.3 m)	18.7 ft. (5.7 m)
Flood Focus Beam Angle 79°				
Footcandles	407	102	45	25
Beam Diameter	8.2 ft. (2.5 m)	16.5 ft. (5.0 m)	24.7 ft. (7.5 m)	33 ft. (10.1 m)

Spot Performance at any distance:	
Footcandles (or lux) = 49,500 ÷ Distance^2	Beam Diameter = Distance x 0.35
Medium Performance at any distance:	
Footcandles (or lux) = 20,400 ÷ Distance^2	Beam Diameter = Distance x 0.93
Flood Performance at any distance:	
Footcandles (or lux) = 10,200 ÷ Distance^2	Beam Diameter = Distance x 1.65

ARRILITE 650





Cat. No.	Description
571065	ARRILITE 650
571110	Four Leaf Barndoor
571150	7 1/4" Full Single Scrim
571151	7 1/4" Half Single Scrim
571152	7 1/4" Full Double Scrim
571153	7 1/4" Half Double Scrim
571712	Scrim bag
853276	Safety Cable
571154	Dichroic Filter
571157	Heat Filter
570111	ARRI Umbrella
570026	ARRI Umbrella Holder
571740	1800W Digital Dimmer
571194W	Compact 3-Light Case with wheels
571197	Heavy Duty Case

Lamps

Code	FAD	FBX	DXX
Watts	650	650	800
Volts	120	120	240
Color Temp (K)	3200	3200	3200
Approx. Life (hrs)	100	100	75

Specifications

Weight	5.2 lbs. (2.4 kg)
Cable	11.5 ft. (3.5 m) cable with inline switch
Reflector	High purity aluminum
Lampholder	R7S
Mounting	5/8" (16 mm) stand mount

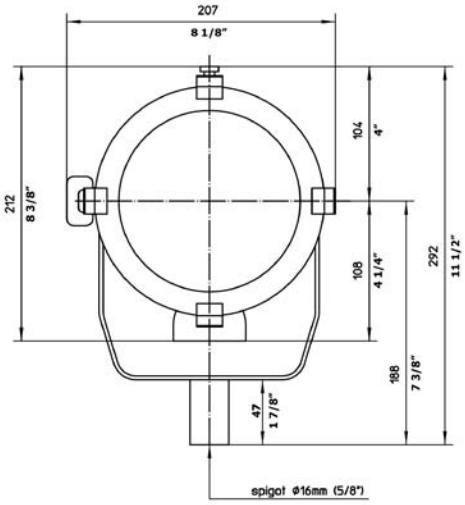
Photometric Data with FAD 650W Lamp

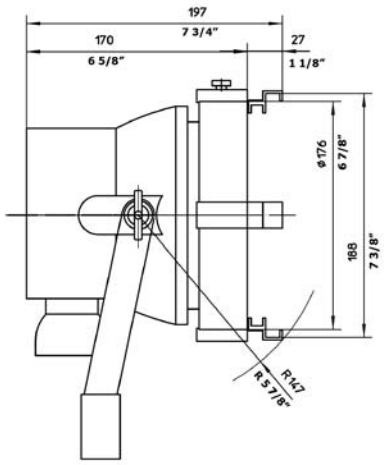
Distance	5 ft. (1.5 m)	10 ft. (3.0 m)	15 ft. (4.6 m)	20 ft. (6.1 m)	25 ft. (7.6 m)
Spot Focus Beam Angle 21°					
Footcandles	3244	811	360	203	130
Beam Diameter	1.9 ft. (0.6 m)	3.7 ft. (1.1 m)	5.6 ft. (1.7 m)	7.4 ft. (2.3 m)	9.3 ft. (2.8 m)
Medium Focus Beam Angle 50°					
Footcandles	634	158	70	40	25
Beam Diameter	4.7 ft. (1.4 m)	9.3 ft. (2.8 m)	14.0 ft. (4.3 m)	18.7 ft. (5.7 m)	23.3 ft. (7.1 m)
Flood Focus Beam Angle 82°					
Footcandles	248	62	28	16	10
Beam Diameter	8.7 ft. (2.7 m)	17.4 ft. (5.3 m)	26.1 ft. (8.0 m)	34.8 ft. (10.6 m)	43.5 ft. (13.3 m)

Spot Performance at any distance:	
Footcandles (or lux) = 81,100 ÷ Distance^2	Beam Diameter = Distance x 0.37
Medium Performance at any distance:	
Footcandles (or lux) = 15,800 ÷ Distance^2	Beam Diameter = Distance x 0.93
Flood Performance at any distance:	
Footcandles (or lux) = 6,200 ÷ Distance^2	Beam Diameter = Distance x 1.74

ARRILITE 650 is equivalent to ARRILITE 800 in 230V markets.

ARRILITE 1000





Cat. No.	Description
571100	ARRILITE 1000
571110	Four Leaf Barndoor
571150	7 1/4" Full Single Scrim
571151	7 1/4" Half Single Scrim
571152	7 1/4" Full Double Scrim
571153	7 1/4" Half Double Scrim
571712	Scrim Bag
853276	Safety Cable
571154	Dichroic Filter
571157	Heat Filter
570111	ARRI Umbrella
570026	ARRI Umbrella Holder
571740	1800W Digital Dimmer
571194W	Compact 3-Light Case with wheels
571197	Heavy Duty Case

Lamps

Code	DXW	DXN	P235
Watts	1000	1000	1000
Volts	120	120	220
Color Temp (K)	3200	3400	3200
Approx. Life (hrs)	150	50	150

Specifications

Weight	5.2 lbs. (2.4 kg)
Cable	11.5 ft. (3.5 m) cable with inline switch
Reflector	High purity aluminum
Lampholder	R7S
Mounting	5/8" (16 mm) stand mount

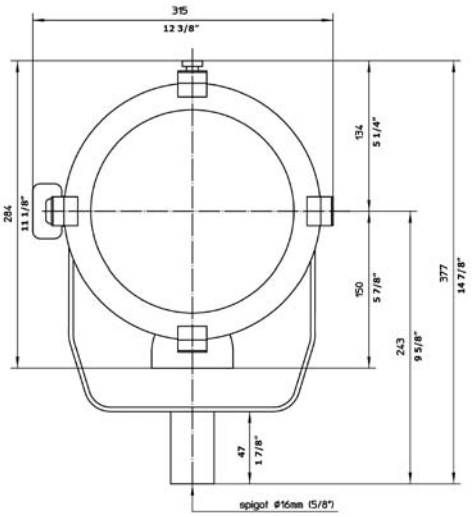
Photometric Data with DXW 1000W Lamp

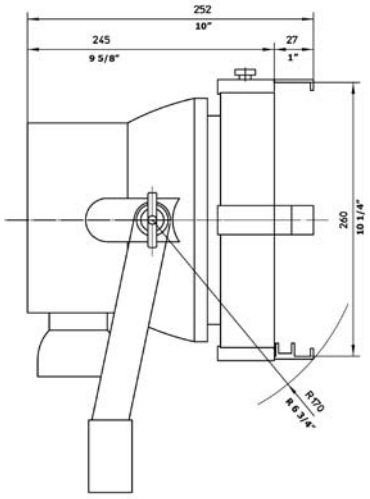
Distance	5 ft. (1.5 m)	10 ft. (3.0 m)	15 ft. (4.6 m)	20 ft. (6.1 m)	25 ft. (7.6 m)
Spot Focus Beam Angle 21°					
Footcandles	5231	1308	581	327	209
Beam Diameter	1.9 ft. (0.6 m)	3.7 ft. (1.1 m)	5.6 ft. (1.7 m)	7.4 ft. (2.3 m)	9.3 ft. (2.8 m)
Medium Focus Beam Angle 50°					
Footcandles	893	223	99	56	36
Beam Diameter	4.7 ft. (1.4 m)	9.3 ft. (2.8 m)	14.0 ft. (4.3 m)	18.7 ft. (5.7 m)	23.3 ft. (7.1 m)
Flood Focus Beam Angle 87°					
Footcandles	429	107	48	27	17
Beam Diameter	9.5 ft. (2.9 m)	19.0 ft. (5.8 m)	28.5 ft. (8.7 m)	38.0 ft. (11.6 m)	47.4 ft. (14.4 m)

Spot Performance at any distance:	
Footcandles (or lux) = 130,800 ÷ Distance^2	Beam Diameter = Distance x 0.37
Medium Performance at any distance:	
Footcandles (or lux) = 22,300 ÷ Distance^2	Beam Diameter = Distance x 0.93
Flood Performance at any distance:	
Footcandles (or lux) = 10,700 ÷ Distance^2	Beam Diameter = Distance x 1.90

ARRILITE 2000

Cat. No.	Description
571200	ARRILITE 2000
571210	Four Leaf Barndoor
571250	10" Full Single Scrim
571251	10" Half Single Scrim
571252	10" Full Double Scrim
571253	10" Half Double Scrim
571714	Scrim Bag
853276	Safety Cable
571254	Dichroic Filter
570111	ARRI Umbrella
570026	ARRI Umbrella Holder
571295	Heavy Duty Case





Lamps

Code	FEY	FER	FEX
Watts	2000	1000	2000
Volts	120	120	240
Color Temp (K)	3200	3400	3200
Approx. Life (hrs)	400	500	300

Specifications

Weight	8.7 lbs. (3.9 kg)
Cable	11.5 ft. (3.5 m) cable with inline switch
Reflector	High purity aluminum
Lampholder	R7S
Mounting	5/8" (16 mm) stand mount

Photometric Data with FEY 2000W Lamp

Distance	10 ft. (3.0 m)	15 ft. (4.6 m)	20 ft. (6.1 m)	25 ft. (7.6 m)	30 ft. (9.1 m)
Spot Focus Beam Angle 19°					
Footcandles	2308	1026	577	369	256
Beam Diameter	3.3 ft. (1.0 m)	5.0 ft. (1.5 m)	6.7 ft. (2.0 m)	8.4 ft. (2.6 m)	10.0 ft. (3.0 m)
Medium Focus Beam Angle 50°					
Footcandles	438	194	109	70	49
Beam Diameter	9.3 ft. (2.8 m)	14.0 ft. (4.3 m)	18.7 ft. (5.7 m)	23.3 ft. (7.1 m)	28.0 ft. (8.5 m)
Flood Focus Beam Angle 74°					
Footcandles	295	131	74	47	33
Beam Diameter	15.1 ft. (4.6 m)	22.6 ft. (6.9 m)	30.1 ft. (9.2 m)	37.7 ft. (11.5 m)	45.2 ft. (13.8 m)

Spot Performance at any distance:	
Footcandles (or lux) = 230,800 ÷ Distance^2	Beam Diameter = Distance x 0.33
Medium Performance at any distance:	
Footcandles (or lux) = 43,800 ÷ Distance^2	Beam Diameter = Distance x 0.94
Flood Performance at any distance:	
Footcandles (or lux) = 29,500 ÷ Distance^2	Beam Diameter = Distance x 1.45

FILL LIGHTS

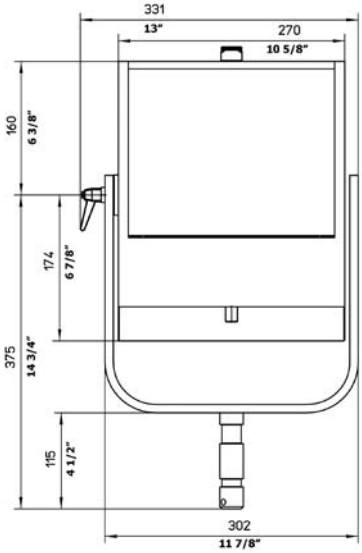
FILL LIGHTS

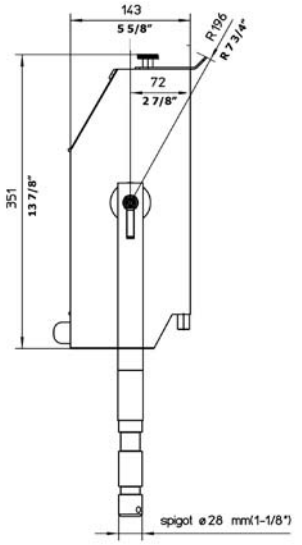
The ARRISOFT is an optically designed softlight using indirect light from a large internal reflector. In addition to the standard soft white reflector a hard aluminum reflector is available for increased light output. Available in 1000W or 2000W, the ARRISOFT is a popular fill light choice when matching other tungsten sources.

The ARRI MINI-FLOOD is a multi purpose floodlight. Its integrated barndoor allows for horizontal light control while providing maximum light output. Whether using a 1000W, 750W, 650W or 500W lamp, the ARRI MINI-FLOOD provides crisp sharp shadows.

The ARRI MINI-CYC uses an off-axis reflector to provide even illumination over a flat surface when mounted at either the top or bottom of that surface. This unit offers a good solution to lighting backgrounds.

ARRISOFT 1000





Cat. No.	Description
536100	ARRISOFT 1000
536101	ARRISOFT 1000 Hanging Model
536115	Egg Crate
536120	Filter Frame
536125	Soft-White Reflector (spare)
536126	Hard (Silver) Reflector
853276	Safety Cable
571740	1800W Digital Dimmer
571196	Heavy Duty Case

Lamps

Code	FCM	EME	EJG	FCM/HIR
Watts	1000	800	750	650
Volts	120	220	120	120
Color Temp (K)	3200	3200	3200	3200
Approx. Life (hrs)	400	250	400	400

Photometric Data with FCM 1000W Lamp

Distance	5 ft. (1.5 m)	10 ft. (3.0 m)	12 ft. (3.7 m)	15 ft. (4.6 m)
Horizontal Beam Angle 74°				
Vertical Beam Angle 71°				
Footcandles	120	30	20	13
Vertical Beam Spread	7.1 ft. (2.2 m)	14.3 ft. (4.4 m)	17.1 ft. (5.2 m)	21.4 ft. (6.5 m)

Performance at any distance:	
Footcandles (or lux) = 3000 ÷ Distance^2	Vertical Beam Spread = Distance x 1.43

Specifications

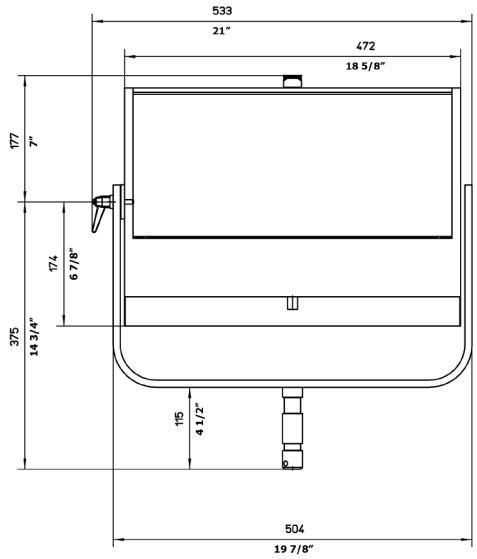
Weight	10.7 lbs (4.9 kg)
Cable	25 ft. (7.6 m)
Aperture	7.7" (195 mm) x 9.5" (241 mm)
Lampholder	R7S
Mounting	5/8" (16 mm) stand mount

ARRISOFT 2000

Cat. No.	Description
536200	ARRISOFT 2000
536215	Egg Crate
536220	Filter Frame
536225	Soft-White Reflector (spare)
536226	Hard (Silver) Reflector
853276	Safety Cable
C02100	Baby Pipe Clamp (Required for hanging)

Lamps

Code	FCM	EME	EJG	FCM/HIR
Watts	1000	800	750	650
Volts	120	220	120	120
Color Temp (K)	3200	3200	3200	3200
Approx. Life (hrs)	400	250	400	400



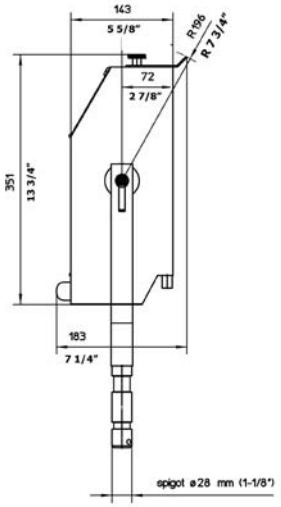
Photometric Data with FCM 1000W Lamp

Distance	10 ft. (3.0 m)	12 ft. (3.7 m)	15 ft. (4.6 m)	20 ft. (6.1 m)
Horizontal Beam Angle 73°				
Vertical Beam Angle 71°				
Footcandles	71	49	32	18
Vertical Beam Spread	14.3 ft. (4.4 m)	17.1 ft. (5.2 m)	21.4 ft. (6.5 m)	28.6 ft. (8.7 m)

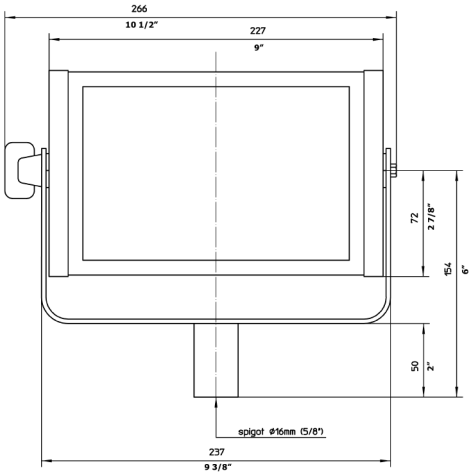
Performance at any distance:	
Footcandles (or lux) = 7100 ÷ Distance^2	Vertical Beam Spread = Distance x 1.43

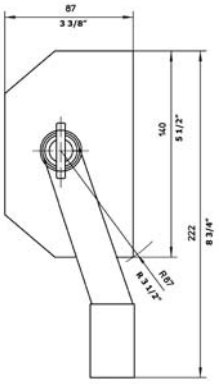
Specifications

Weight	17 lbs (7.7 kg)
Cable	25 ft. (7.6 m)
Aperture	7.7" (195 mm) x 9.5" (241 mm)
Lampholder	R7S
Mounting	5/8" (16 mm) stand mount



MINI-FLOOD





Cat. No.	Description
572100	MINI-FLOOD
853276	Safety Cable

MINI-FLOOD includes integral barndoor with filter clips

Lamps

Code	FCM	EME	EJG	FCM/HIR	FDF
Watts	1000	800	750	650	500
Volts	120	230	120	120	120
Color Temp (K)	3200	3200	3200	3200	3200
Approx. Life (hrs)	400	250	400	400	400

Photometric Data with FCM 1000W Lamp

Distance	5 ft. (1.5 m)	10 ft. (3.0 m)	15 ft. (4.6 m)	20 ft. (6.1 m)
Horizontal Beam Angle 88°				
Vertical Beam Angle 69°				
Footcandles	488	122	54	31
Horizontal Beam Spread	9.5 ft. (2.9 m)	19.0 ft. (5.8 m)	28.5 ft. (8.7 m)	38.0 ft. (11.6 m)

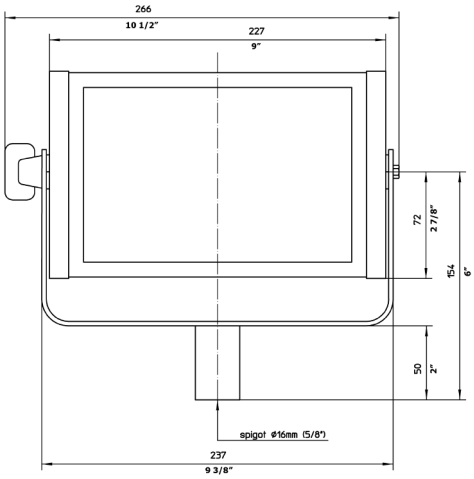
Performance at any distance:

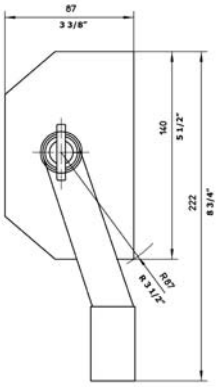
Footcandles (or lux) = 12,202 ÷ Distance^2 Horizontal Beam Diameter = Distance x 1.90

Specifications

Weight	6.5 lbs. (2.9 kg)
Cable	25 ft. (7.6 m) cable with inline switch
Reflector	High purity aluminum
Lampholder	R7S
Mounting	5/8" (16 mm) stand mount

MINI-CYC





Cat. No.	Description
535100	MINI-CYC
853276	Safety Cable

MINI-CYC includes integral barndoor with filter clips

Lamps

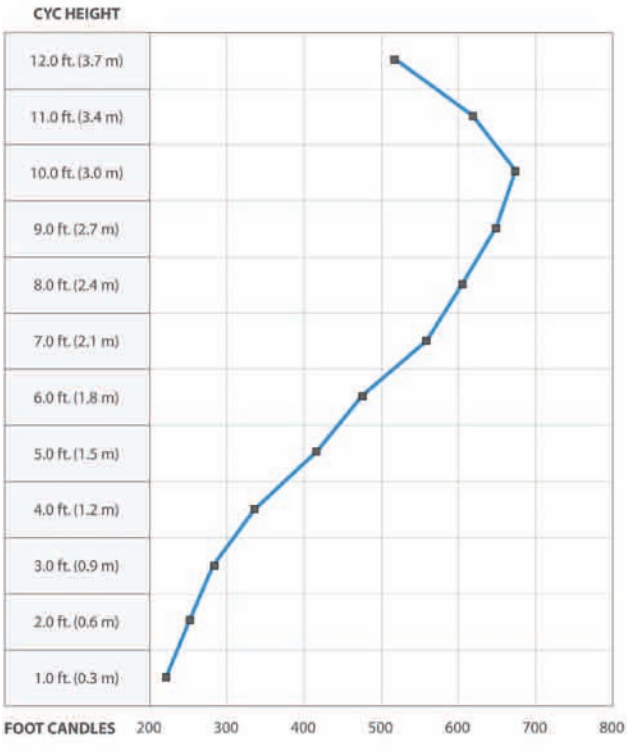
Code	FCM	EME	EJG	FCM/HIR	FDF
Watts	1000	800	750	650	500
Volts	120	230	120	120	120
Color Temp (K)	3200	3200	3200	3200	3200
Approx. Life (hrs)	400	250	400	400	400

Specifications

Weight	8.2 lbs. (3.7 kg)
Cable	25 ft. (7.6 m) cable with inline switch
Reflector	High purity aluminum
Lampholder	R7S
Mounting	Pipe clamp

Photometric Data

12.0 ft. (3.7 m) CYC 4 .0 ft. CYC /5.0 ft. on center



CERAMICS

CERAMICS

The ARRI STUDIO CERAMIC 250 produces tungsten quality light in a long life, high efficiency fixture package. This 7" Fresnel lens unit produces a smooth, even field with 3 times the output of a conventional tungsten fixture. The long life 4000hr Ceramic lamp saves substantial operating costs over tungsten lamps and produces significantly less heat.

The ARRI X CERAMIC 250 uses the popular ARRI X optical system to produce a wide 112° beam angle with its frosted UV glass. The optional clear UV glass provides a sharper shadow and 122° beam angle. When combined with the optional specular intensifier and diffusion screen the ARRI X CERAMIC 250 matches the output of a 2000W Softlight with only 250W.

For maximum versatility, the STUDIO CERAMIC and the ARRI X CERAMIC can switch from the tungsten balanced Ceramic 250W 4000 hour lamp to the 250W MSR daylight balanced lamp.

ARRI

ARRI X CERAMIC 250

ARRI STUDIO CERAMIC 250

CERAMIC

- 4000 hrs lamp life
- Cool Operation
- 3200 K / CRI >90
- Very high efficiency 85 lm / W
- 250W / 90-265VAC / 50-60Hz
- Hot Restrike
- Built-In Ballast
- Flicker Free (90Hz)
- Noiseless

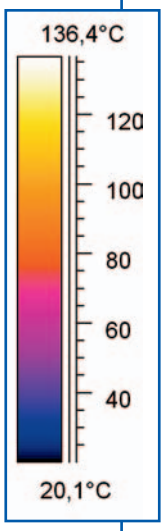
The new ARRI X Ceramic 250 and Studio Ceramic 250 use the Phillips ST 250 HR discharge lamp producing 3200K Tungsten quality light in a long life, high efficiency package.

The Studio Ceramic 250 uses the housing and all accessories of the popular ARRI Studio 1K Fresnel. The 7" (175mm) lens produces a smooth even field with a beam angle of 10° in spot and 57° in flood.

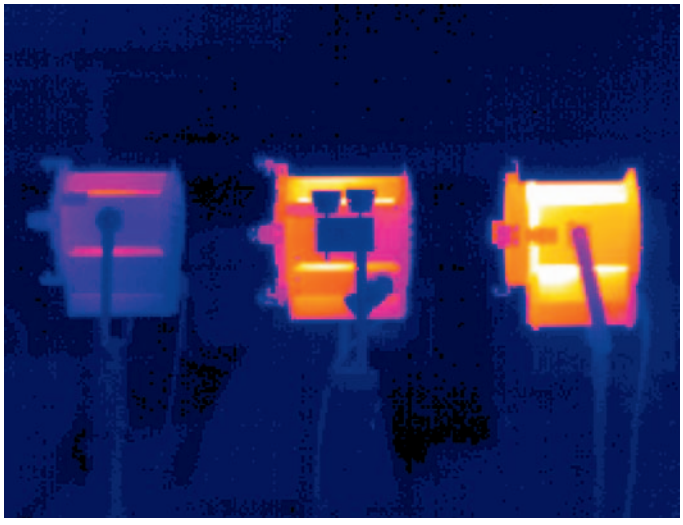
ARRI X reflector technology and a frosted diffusion glass provide excellent light distribution over a 112° field. The addition of ARRI's specular intensifier and a Chimera diffusion screen turns the ARRI X Ceramic 250 into a powerful softlight - The output of a 2000W Softlight from only 250 watts!

Low power and high efficiency offer cost savings on both power consumption and air conditioning. The long life 4000 hour lamp saves substantially over maintenance costs on tungsten lamps. At only 250W, ARRI Ceramic fixtures produce significantly less heat than a tungsten fixture and are cool to the touch even in today's 24/7 operating environments.

Both the ARRI X Ceramic and the Studio Ceramic use a built in igniter and ballast and can be plugged directly into power consuming less than 3 amps at 120V.



SURFACE TEMPERATURE COMPARISON
ARRI Studio Ceramic 250 / Studio 1000 / ARRI 1000 PLUS



ARRI X Ceramic 250 (includes lamp and frosted glass)

539400	ARRI X Ceramic 250, stand model
539401	ARRI X Ceramic 250, hanging model
539402	ARRI X Ceramic 250, stand model, black
239403	ARRI X Ceramic 250, hanging model, black
539420	Filter Frame
505410	Barndoor
539421	Clear Safety Glass
539422	Egg Crate, Black
539423	Egg Crate, White
539425	Intensifier
539426	Chimera 1/4 Diffusion Screen
539427	Chimera 50° Soft Eggcrate
539430	Snoot
539440	250W Ceramic Lamp (spare)

Specifications

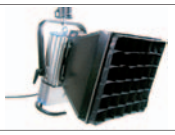
Weight: 18lbs. (8.2kg)
Lampholder: GZY 9.5
Mounting: 5/8˝ (16mm) stand mount or hanging model w/c-clamp
Input Voltage Range: 90-265V 50/60Hz

ARRI Ceramic fixtures feature an integrated igniter/ballast.

ARRI X Ceramic 250 with frosted glass

Measurement distance: 10 ft / 3 m					
Accessories		Intensifier	Intensifier, 1/2 diffusion	Intensifier, 1/4 diffusion	Intensifier, 1/4 diffusion, 50° fabric grid
Illuminance [fc / lux]	45 fc / 485 lx	168 fc / 1795 lx	41 fc / 440 lx	67 fc / 715 lx	58 fc / 625 lx
Beam angle [°]	112°	47°	69°	60°	41°

ARRI X Ceramic 250 with optional clear glass

Measurement distance: 10ft / 3m				
Accessories		**Intensifier, 1/2 diffusion**	**Intensifier, 1/4 diffusion**	**Intensifier, 1/4 diffusion, 50° fabric grid**
Illuminance [fc / lux]	42 fc / 450 lx	50 fc / 531 lx	79 fc / 850 lx	72 fc / 772 lx
Beam angle [°]	122°	66°	59°	40°

ARRI STUDIO Ceramic 250 (includes lamp)

539500	Studio Ceramic 250, stand model, 7″ lens
539501	Studio Ceramic 250, hanging model
539502	Studio Ceramic 250, stand model, black
539503	Studio Ceramic 250, hanging model
531210	Four Leaf Barndoor
531215	Eight Leaf Barndoor
531220	Filter Frame
531230	Snoot
531250	9″ Full Single Scrim
531251	9″ Half Single Scrim
531252	9″ Full Double Scrim
531253	9″ Half Double Scrim
571714	Scrim Bag
539440	250W Ceramic Lamp (spare)
853276	Safety Cable

Specifications

Weight: 18.5lbs. (8.4kg)

Lampholder : GZY 9.5

Mounting: 5/8″ (16mm) stand mount or hanging model w/c-clamp

Input Voltage Range: 90-265V 50/60Hz

ARRI Ceramic fixtures feature an integrated igniter/ballast.

PHOTOMETRIC DATA

DISTANCE	5 ft. (1.5m)	10 ft. (3.0m)	15 ft. (4.6m)	20 ft. (6.1m)
Spot Focus beam angle 10°				
Footcandles	2699	675	300	169
Beam Diameter	.9 ft. (0.27m)	1.8 ft. (0.55m)	2.6 ft. (0.8m)	3.5 ft (1.1m)
Flood Focus beam angle 57°				
Footcandles	388	97	43	25
Beam Diameter	5.5 ft. (1.7m)	10.9 ft. (3.3m)	16.3 ft. (5.0m)	21.7 ft. (6.6m)

Spot Performance at any distance:
Footcandles (or lux) = 67,500 ÷ Distance^2 | Beam Diameter = Distance x 0.18

Flood Performance at any distance:
Footcandles (or lux) = 9,700 ÷ Distance^2 | Beam Diameter = Distance x 1.00

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ait18105 4/2005 2.5M

STUDIO COOL (FLUORESCENT)

ARRI

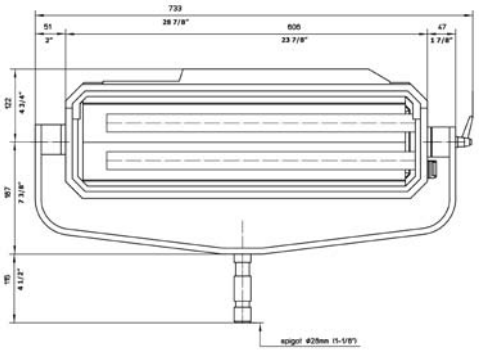
STUDIO COOL (FLUORESCENT)

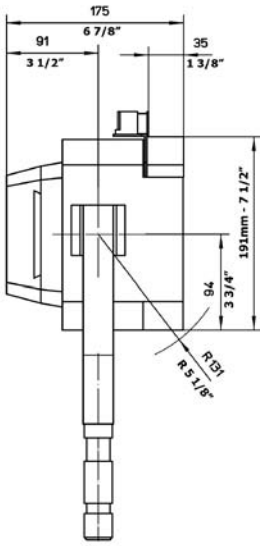
The ARRI STUDIO COOL provides fluorescent source lighting in studio quality fixtures. These units offer three lamp configurations, a choice of reflectors, and three control options in a rugged cast and extruded aluminum housing.

The ARRI STUDIO COOL is available as a 2 lamp unit, a 4 lamp unit (vertical configuration) and the 2 + 2 lamp unit (horizontal configuration). Each configuration offers three control possibilities — a simple on/off switch, internal dimming with DMX control or phase control dimming that can be plugged into the output of any dimmer.

Unique to the ARRI STUDIO COOL is a hinged front door that allows for fast lamp access without disturbing the mounted accessories. The slide-in lamp support and locking lampholder provides a secure lamping system. Power can be daisy-chained between fixtures via locking power connectors.

STUDIO COOL 2





Cat. No.	Description
537200	STUDIO COOL 2 DMX, Stand Model
537202	STUDIO COOL 2 Non-Dim, Stand Model
537204	STUDIO COOL 2 Phase Dim, Stand Model
537201	STUDIO COOL 2 DMX, Hanging Model
537203	STUDIO COOL 2 Non-Dim, Hanging Model
537205	STUDIO COOL 2 Phase Dim, Hanging Model
537210	Barndoor
537220	Filter Frame
537221	Egg Crate Silver Super Wide
537222	Egg Crate Silver Wide
537223	Egg Crate Silver Medium
537224	Egg Crate Black
537225	Egg Crate White
537230	Intensifier
537231	Intensifier Egg Crate Silver Super Wide
537232	Intensifier Egg Crate Silver Wide
537233	Intensifier Egg Crate Silver Medium
537234	Intensifier Egg Crate Black
537235	Intensifier Egg Crate White
537228	Reflector 90° (spare)
537229	Reflector 120° (spare)
537463	Stirrup, pole operated

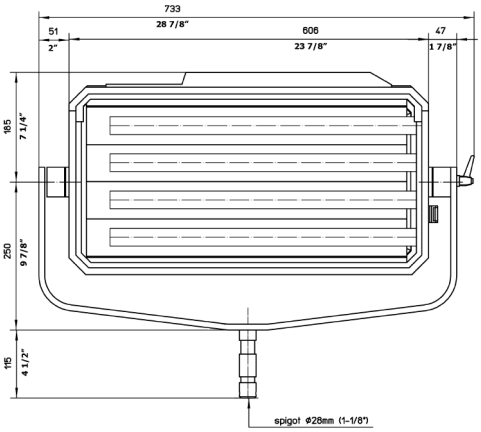
Accessories

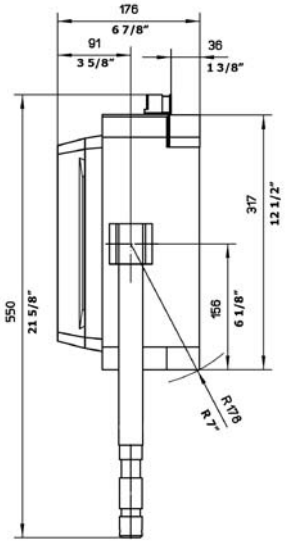
537480	10 ft. Extension Cable PowerCon™ for “Daisy Chain” power
537482	Power Cable no connector (spare)
537483	Power Cable U-ground (spare)
537484	Power Cable 20A grounded-pin connector (spare)
570150	Swivel Baby Plate Male
570151	Swivel Baby Plate Female
570152	Baby Plate and Clamp
537455	Coupling Clamp
581040	55W 3200K Lamp
581045	55W 5600K Lamp

Specifications

Weight	12.3 lbs. (5.6 kg)
Cable	10 ft. (3.5 m) cable
Reflector	High purity aluminum (90°)
Lampholder	R7S
Mounting	5/8" (16 mm) stand mount; Hanging model with pipe clamp

STUDIO COOL 4





Cat. No.	Description
537400	STUDIO COOL 4 DMX, Stand Model
537402	STUDIO COOL 4 Non-Dim, Stand Model
537404	STUDIO COOL 4 Phase Dim, Stand Model
537401	STUDIO COOL 4 DMX, Hanging Model
537403	STUDIO COOL 4 Non-Dim, Hanging Model
537405	STUDIO COOL 4 Phase Dim, Hanging Model
537410	Barndoor
537420	Filter Frame
537421	Egg Crate Silver Super Wide
537422	Egg Crate Silver Wide
537423	Egg Crate Silver Medium
537424	Egg Crate Black
537425	Egg Crate White
537430	Intensifier
537431	Intensifier Egg Crate Silver Super Wide
537432	Intensifier Egg Crate Silver Wide
537433	Intensifier Egg Crate Silver Medium
537434	Intensifier Egg Crate Black
537435	Intensifier Egg Crate White
537428	Reflector 90° (spare)
537429	Reflector 120° (spare)
537463	Stirrup, pole operated

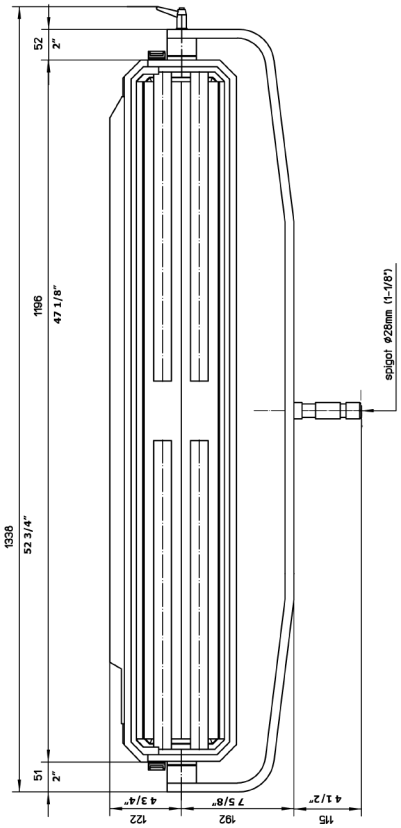
Accessories

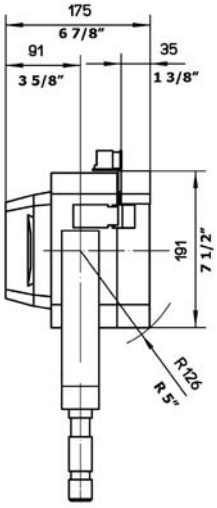
537480	10 ft. Extension Cable PowerCon™ for “Daisy Chain” power
537482	Power Cable no connector (spare)
537483	Power Cable U-ground (spare)
537484	Power Cable 20A grounded-pin connector (spare)
570150	Swivel Baby Plate Male
570151	Swivel Baby Plate Female
570152	Baby Plate and Clamp
537455	Coupling Clamp
581040	55W 3200K Lamp
581045	55W 5600K Lamp

Specifications

Weight	16.3 lbs. (7.4 kg)
Cable	10 ft. (3.5 m) cable
Reflector	High purity aluminum (90°)
Lampholder	R7S
Mounting	5/8" (16 mm) stand mount; Hanging model with pipe clamp

STUDIO COOL 2+2





Cat. No.	Description
537300	STUDIO COOL 2+2 DMX, Stand Model
537302	STUDIO COOL 2+2 Non-Dim, Stand Model
537304	STUDIO COOL 2+2 Phase Dim, Stand Model
537301	STUDIO COOL 2+2 DMX, Hanging Model
537303	STUDIO COOL 2+2 Non-Dim, Hanging Model
537305	STUDIO COOL 2+2 Phase Dim, Hanging Model
537315	Snoot
537320	Filter Frame
537321	Egg Crate Silver Super Wide
537322	Egg Crate Silver Wide
537323	Egg Crate Silver Medium
537324	Egg Crate Black
537325	Egg Crate White
537330	Intensifier
537331	Intensifier Egg Crate Silver Super Wide
537332	Intensifier Egg Crate Silver Wide
537333	Intensifier Egg Crate Silver Medium
537334	Intensifier Egg Crate Black
537335	Intensifier Egg Crate White
537328	Reflector 90° (spare)
537329	Reflector 120° (spare)
537363	Stirrup, pole operated

Please add "-2" to fixture catalog number for 230V model.

Accessories

537480	10 ft. Extension Cable PowerCon™ for "Daisy Chain" power
537482	Power Cable no connector (spare)
537483	Power Cable U-ground (spare)
537484	Power Cable 20A grounded-pin connector (spare)
570150	Swivel Baby Plate Male
570151	Swivel Baby Plate Female
570152	Baby Plate and Clamp
537455	Coupling Clamp
581040	55W 3200K Lamp
581045	55W 5600K Lamp

Specifications

Weight	24 lbs. (10.9 kg)
Cable	10 ft. (3.5 m) cable
Reflector	High purity aluminum (90°)
Lampholder	R7S
Mounting	5/8" (16 mm) stand mount; Hanging model with pipe clamp

STUDIO COOL

ARRI

ARRI STUDIO COOL

Optically superior, versatile, rugged and reliable, the Studio Cool is exactly what you would expect from Arri's new lineup of fluorescent fixtures. With a choice of reflectors, three control options and Arri's traditional cast and extruded aluminum housing, finally there's a fluorescent fixture equally at home on the road or in the studio.

There are many fluorescents on the market but none with Arri's mix of performance and durability. When we asked what you wanted from a new "cool light," the answer was clear: not just the energy savings and soft illumination associated with a fluorescent, but a fixture built to last in a professional production environment. You asked for the reliability and serviceability to stay on the air in today's 24/7 world. Take a close look at the Arri Studio Cool and discover how Arri responded.

Construction: Arri's smooth aluminum extrusion serves as a tough rigid housing. Open the hinged front door for fast lamp access. The slide-in lamp support and locking lampholders provide a safe and secure mounting system. No more aluminum clips. Locking power connectors allow you to "daisy chain" up to six 4-tube Studio Cools on one circuit.

For hanging, choose either the rugged extruded aluminum stirrup or a variety of single point devices. If the grid height is low, use the adjustable stirrup to bring the fixture closer to the pipe. Or use an optional locking clamp to hang two fixtures to the same stirrup.

Serviceability: Key to the Studio Cool design is Arri's unique detachable electronics module. A lightweight cast aluminum shell protects the ballast and electronics, but can be quickly removed for service. Just loosen four screws for complete access to all components.

Flexibility: Want a wide 120° field? Then choose Arri's Superflood Reflector. Need more punch? Open four quick-turn fasteners and pop in the Performance Reflector for a 20% increase in light output.

Control: Every soft source needs a way to control where the light goes, and the Studio Cool is no exception. Arri offers five egg crates, barndoor, filter frame and intensifier.

ARRI

Choose the model for your application

Two or four lamp fixtures, each available in three versions:

- Non Dim – one switch for each two tubes
- Multi Control Dimming – either DMX or Analog dimming control 3% -100% @ 120V
- Phase Control Dimming – Plug the Studio Cool into the output of any studio dimmer.

Changeable Reflectors Locking Lampholders

Hinged Access Door

Locking Power Connectors

Adjustable Extruded Aluminum Stirrup

Removable Electronics and Ballast Module

ARRI STUDIO COOL

STUDIO COOL 2

537200	STUDIO COOL 2 DMX, stand model
537202	STUDIO COOL 2 Non-Dim, stand model
537204	STUDIO COOL 2 Phase Dim, stand model
537201	STUDIO COOL 2 DMX, hanging model
537203	STUDIO COOL 2 Non-Dim, hanging model
537205	STUDIO COOL 2 Phase Dim, hanging model
537210	Barndoor
537220	Filter Frame
537221	Egg Crate Silver Flood
537222	Egg Crate Silver Wide
537223	Egg Crate Silver Medium
537224	Egg Crate Black Aluminum
537225	Egg Crate White Narrow
537230	Intensifier
537231	Intensifier Egg Crate Silver Flood
537232	Intensifier Egg Crate Silver Wide
537233	Intensifier Egg Crate Silver Medium
537234	Intensifier Egg Crate Black Aluminum
537235	Intensifier Egg Crate White Narrow
537228	Reflector 90° (spare)
537229	Reflector 120° (spare)
537463	Stirrup, pole operated

STUDIO COOL 4

537400	STUDIO COOL 4 DMX, stand model
537402	STUDIO COOL 4 Non-Dim, stand model
537404	STUDIO COOL 4 Phase Dim, stand model
537401	STUDIO COOL 4 DMX, hanging model
537403	STUDIO COOL 4 Non-Dim, hanging model
537405	STUDIO COOL 4 Phase Dim, hanging model
537410	Barndoor
537420	Filter Frame
537421	Egg Crate Silver Wide
537422	Egg Crate Silver Medium
537423	Egg Crate Silver Narrow
537424	Egg Crate Black Aluminum Narrow
537425	Egg Crate White Narrow
537430	Intensifier
537431	Intensifier Egg Crate Silver Flood
537432	Intensifier Egg Crate Silver Wide
537433	Intensifier Egg Crate Silver Medium
537434	Intensifier Egg Crate Black Aluminum
537435	Intensifier Egg Crate White Narrow
537428	Reflector 90° (spare)
537429	Reflector 120° (spare)
537463	Stirrup, pole operated

STUDIO COOL 2+2

537300	STUDIO COOL 2+2 DMX, stand model
537302	STUDIO COOL 2+2 Non-Dim, stand model
537304	STUDIO COOL 2+2 Phase Dim, stand model
537301	STUDIO COOL 2+2 DMX, hanging model
537303	STUDIO COOL 2+2 Non-Dim, hanging model
537305	STUDIO COOL 2+2 Phase Dim, hanging model
537315	Snoot
537320	Filter Frame
537321	Egg Crate Silver Flood
537322	Egg Crate Silver Wide
537323	Egg Crate Silver Medium
537324	Egg Crate Black Aluminum
537325	Egg Crate White Narrow
537330	Intensifier
537331	Intensifier Egg Crate Silver Flood
537332	Intensifier Egg Crate Silver Wide
537333	Intensifier Egg Crate Silver Medium
537334	Intensifier Egg Crate Black Aluminum
537335	Intensifier Egg Crate White Narrow
537328	Reflector 90° (spare)
537329	Reflector 120° (spare)
537363	Stirrup, pole operated

Please add "-2" to fixture catalog number for 230V model.

ACCESSORIES FOR ALL STUDIO COOL FIXTURES

537480	10 ft Extension Cable PowerCon™
537482	Power Cable bare end (spare)
537483	Power Cable U-ground (spare)
537484	Power Cable 20A pin connector (spare)
537485	Base Load 120V
537486	Base Load 230V
570150	Swivel Baby Plate Male
570151	Swivel Baby Plate Female
570152	Baby Plate and Clamp
537455	Coupling Clamp
581040	55W 3200K Lamp
581045	55W 5600K Lamp

Technical Data

Technical Data	Studio Cool 4	Studio Cool 2	Studio Cool 2+2
Dimensions (w/stirrup)	29.3 x 14 x 6.3 in (745 x 355 x 160 mm)	29.3 x 10.5 x 6.3 in (744 x 267 x 160mm)	52 x 10.5 x 6.3 in (1320 x 267 x 160mm)
Dimensions (w/o stirrup)	24.8 x 12.6 x 6.3 in (630 x 320 x 160 mm)	24.8 x 8 x 6.3 in (630 x 203 x 160mm)	48 x 8 x 6.3 in (1219 x 203 x 160)
Weight	14.7 lbs (6.7 kg)	11 lbs (5 kg)	22 lbs (10Kg)
Input voltage (120V model)	108-132 V	108-132 V	108-132 V
Input voltage (220V model)	198-254 V	198-254 V	198-254 V
Power consumption	240W	240W	240W
Input frequency	50-60 Hz	50-60 Hz	50-60 Hz
Ambient temperature (max.)	113°F (45°C)	113°F (45°C)	113°F (45°C)
Surface temperature (max.)	195°F (90°C)	176°F (80°C)	176°F (80°C)
DMX (Multicontrol)			
Control functions	dimming 3-100% @ 120V; 1-100% @ 230V	dimming 3-100% @ 120V; 1-100% @ 230V	dimming 3-100% @ 120V; 1-100% @ 230V
Control inputs	DMX 512 or 0 - 10V analog,input	DMX 512 or 0 - 10V analog,input	DMX 512 or 0 - 10V analog,input
Manual control	dimming potentiometer, DMX channel select	dimming potentiometer, DMX channel select	dimming potentiometer, DMX channel select
Non Dim			
Control functions	on/off of 2 lamps each	on/off of 2 lamps each	on/off of 2 lamps each
Control inputs	none	none	none
Manual control	2 rocker switches	1 rocker switch	2 rocker switches
Phase Control			
Control functions	dimming 3-100% @ 120V; 1-100% @ 230V	dimming 3-100% @ 120V; 1-100% @ 230V	dimming 3-100% @ 120V; 1-100% @ 230V
Control inputs	phase-cut signal on the power line	phase-cut signal on the power line	phase-cut signal on the power line
Manual control	none	none	none
Photometric Data at 10 Feet with Superflood Reflector			
Illuminance	40 fc (441 lux)	20 fc (220 lux)	32 fc (354 lux)
Beam angle	135° x 112°	111° x 115°	111°
Photometric Data at 10 Feet with Performance Reflector			
Illuminance	53 fc (586 lux)	24 fc (271 lux)	41 fc (456 lux)
Beam angle	89° x 110°	87° x 111°	87° x 117°
Eggcrate Specifications with Performance Reflector			
Superwide Silver			
Illuminance	53 fc (591 lux)	25 fc (273 lux)	40 fc (442 lux)
Beam angle	85° x 91°	88° x 93°	78° x 97°
Wide Silver			
Illuminance	50 fc (550 lux)	23 fc (257 lux)	38 fc (417 lux)
Beam angle	81° x 84°	77° x 84°	72° x 85°
Medium Silver			
Illuminance	53 fc (589 lux)	25 fc (275 lux)	44 fc (491 lux)
Beam angle	80°	77° x 75°	77°
White			
Illuminance	57 fc (640 lux)	26 fc (286 lux)	43 fc (480 lux)
Beam angle	63° x 67°	61° x 65°	62° x 70°
Black			
Illuminance	47 fc (519 lux)	22 fc (239 lux)	35 fc (391 lux)
Beam angle	51° x 54°	51° x 55°	49° x 58°

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www.arri.com

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ARRI LIGHTING KITS

ARRI LIGHTING KITS

ARRI LIGHTING KITS help bring studio quality lighting to portable productions. Over 40 configurations, available for both 120V and 230V, combine different ARRI TUNGSTEN FRESNELS, ARRILITES and ARRISOFTS with a wide range of accessories. All ARRI LIGHTING KITS are packed in custom designed heavy duty wheeled cases

ARRI POCKET PAR & POCKET LITE KITS package an HMI Pocket Par or Pocket Lite lamphead, ballast and accessories in a rugged custom designed case. The LIGHTHOUSE POCKET PAR KITS add a clear glass UV protection envelope and Shutter system to provide a very sharp shadow and a variable beam of light from a narrow sliver to a 180˚ floodlight. An optional frosted glass lighthouse yields a softer shadow while maintaining a very smooth light field.

ARRI LIGHTING KITS

ARRI

ARRI LIGHTING KITS

Rugged, durable ARRI Lighting Kits help you bring studio quality lighting to portable productions. Available in 25 versatile combinations, they combine professional fixtures with a wide range of accessories. The 2007 ARRI Lighting Kit catalog contains two new, lower cost Fresnel kits: the 150/300/650 Compact Fresnel Kit and the 300/650 Compact Fresnel Kit. We've also designed a wheeled version of our popular Compact Kit Cases for better handling and mobility. All ARRI Kits that use these cases are now available either with or without wheels.




CHOOSING AN ARRI LIGHTING KIT

The best kit for your application depends on your production needs and artistic preferences. Ideally the kit should offer the flexibility to work in many different situations. You'll want to consider fixture types, total wattage and the size and weight of the kit. If you need softer lighting you should look carefully at the kits containing Chimera Softbanks. The first step is to determine what light source best suits your needs.

CHOOSING A LIGHT SOURCE

The two basic fixture types in ARRI Kits are open-faced ARRILITES and Fresnel-lensed lights. Both provide a focusable, even field of light that can be used to create a wide variety of light qualities and moods for your productions. As a general rule, ARRILITES provide higher output while Fresnels offer more control.

150/300/650 Fresnel Kit #571983

ARRILITE KITS

571905 ARRILITE 600/3 COMPACT KIT (40 lbs)

(3)	571600	**ARRILITE 600**
(3)	571610	Barndoor
(3)	531350	5" Full Single Scrim
(3)	531352	5" Full Double Scrim
(3)	571640	DYS 600W Lamp
(3)	570051	AS-01 Stand
(1)	571192	Compact 4-Light Case (32 1/2"x17"x10 1/2")
571905W		SAME AS ABOVE WITH WHEELS

571805 ARRILITE 600/3 COMPACT KIT (for 220V)

571805W	SAME AS ABOVE WITH WHEELS

571915 ARRILITE 650/3 COMPACT KIT (40 lbs)

(3)	571065	**ARRILITE 650**
(3)	571110	Barndoor
(3)	571150	7 1/4" Full Single Scrim
(3)	571152	7 1/4" Full Double Scrim
(3)	571140	FAD 650W Lamp
(3)	570051	AS-01 Stand
(1)	571194	Compact 3-Light Case (32 1/2"x17"x10 1/2")
571915W		SAME AS ABOVE WITH WHEELS

571815 ARRILITE 650/3 COMPACT KIT (for 220V)

571815W	SAME AS ABOVE WITH WHEELS

571925 ARRILITE 1000/3 COMPACT KIT (40 lbs)

(3)	571100	**ARRILITE 1000**
(3)	571110	Barndoor
(3)	571150	7 1/4" Full Single Scrim
(3)	571152	7 1/4" Full Double Scrim
(3)	571145	DXW 1000W Lamp
(3)	570051	AS-01 Stand
(1)	571194	Compact 3-Light Case (32 1/2"x17"x10 1/2")
571925W		SAME AS ABOVE WITH WHEELS

571825 ARRILITE 1000/3 COMPACT KIT (for 220V)

571825W	SAME AS ABOVE WITH WHEELS

571951 ARRILITE 1000/4 HEAVY DUTY KIT (75 lbs)

(4)	571100	**ARRILITE 1000**
(4)	571110	Barndoor
(4)	571150	7 1/4" Full Single Scrim
(4)	571152	7 1/4" Full Double Scrim
(4)	571145	DXW 1000W Lamp
(4)	570050	AS-2 Stand
(1)	571701	Accessory Pack
(1)	571197	Heavy Duty Case (40"x19"x13 1/2")

571851 ARRILITE 1000/4 HEAVY DUTY KIT (for 220V)

571972 ARRILITE 2000/2 HEAVY DUTY KIT (60 lbs)

(2)	571200	**ARRILITE 2000**
(2)	571210	Barndoor
(2)	571250	10" Full Single Scrim
(2)	571252	10" Full Double Scrim
(2)	571240	FEY 2000W Lamp
(2)	570050	AS-2 Stand
(1)	571295	Heavy Duty Case (40"x19"x15")

571872 ARRILITE 2000/2 HEAVY DUTY KIT (for 220V)

ARRILITES (OPEN FACE)

- Focusable (spot to flood)
- Smooth field
- Wide beam spread
- Maximum output
- Often used indirectly as a "source of origin" (bounced off of ceiling, wall, bounce board, or directed through a silk or a Softbank.)
- Best Use: High output light source or source of origin

ARRILITE 600/3 Compact Kit #571905
When weight and size are important the ARRILITE 600/3 Compact kit is the ideal production tool.

FRESNEL KITS

ARRI FRESNELS

- Focusable (spot to flood)
- Smooth, even field improved by glass Fresnel lens
- Narrow beam spread in spot focus
- Easy to shape light with barndoors, flags, and nets
- Most popular choice to light talent directly
- Often used as key light, hair/separation light, or as accent/background lighting source
- Best Use: Controlled direct, hard light source for people, products and backgrounds where sharper, more defined shadows are desired

300/650 Fresnel Kit #571985
A total of 1900W — Key, fill and backlight all on one 20-amp circuit.

571902 150/4 FRESNEL MINI KIT (40 lbs)

(4)	530100	**150W FRESNEL**
(4)	530110	Barndoor
(4)	530120	Filter Frame
(4)	530150	3" Full Single Scrim
(4)	530152	3" Full Double Scrim
(4)	530143	ESP 150W Lamp
(1)	570112	Ceiling Scissor Clamp
(4)	570051	AS-01 Stand
(1)	571192	Compact 4-Light Case (32 1/2"x17"x10 1/2")
571902W		SAME AS ABOVE WITH WHEELS

571802 150/4 FRESNEL KIT (for 220V)

571802W	SAME AS ABOVE WITH WHEELS

571994 150/300 FRESNEL MINI KIT (48 lbs)

(2)	530100	**150W FRESNEL**
(2)	530110	Barndoor
(2)	530120	Filter Frame
(2)	530150	3" Full Single Scrim
(2)	530152	3" Full Double Scrim
(2)	530143	ESP 150W Lamp
(2)	531300	**300W FRESNEL**
(2)	531310	Barndoor
(2)	531320	Filter Frame
(2)	531350	5" Full Single Scrim
(2)	531352	5" Full Double Scrim
(2)	531340	FKW 300W Lamp
(1)	570112	Ceiling Scissor Clamp
(4)	570051	AS-01 Stand
(1)	571194	Compact 3-Light Case (32 1/2"x17"x10 1/2")
571994W		SAME AS ABOVE WITH WHEELS

571894 150/300 FRESNEL MINI KIT (for 220V)

571894W	SAME AS ABOVE WITH WHEELS

571979 650/3 Compact Kit (50 lbs)

(3)	531600	**650W FRESNEL**
(3)	531610	Barndoor
(3)	531620	Filter Frame
(3)	531650	6 5/8" Full Single Scrim
(3)	531652	6 5/8" Full Double Scrim
(3)	531640	FRK 650W Lamp
(3)	570051	AS-01 Stand
(1)	571194	Compact 3-Light case (32 1/2"x17"x10 1/2")
571979W		SAME AS ABOVE WITH WHEELS

571879 650/3 Compact Fresnel Kit (for 220V)

571879W	SAME AS ABOVE WITH WHEELS

571980 650/4 FRESNEL KIT (82 lbs)

(4)	531600	**650W FRESNEL**
(4)	531610	Barndoor
(4)	531620	Filter Frame
(4)	531650	6 5/8" Full Single Scrim
(4)	531652	6 5/8" Full Double Scrim
(4)	531640	FRK 650W Lamp
(4)	570050	AS-2 Stand
(1)	571700	Accessory Pack
(1)	571197	Heavy Duty Case (40"x19"x13 1/2")

571880 650/4 FRESNEL KIT (for 220V)

571959 150/300/650 COMPACT FRESNEL KIT (45 lbs)

(1)	530100	**150W FRESNEL**
(1)	530110	Barndoor
(1)	530120	Filter Frame
(1)	530150	3" Full Single Scrim
(1)	530152	3" Full Double Scrim
(1)	530143	ESP 150W Lamp
(1)	531300	**300W FRESNEL**
(1)	531310	Barndoor
(1)	531320	Filter Frame
(1)	531350	5" Full Single Scrim
(1)	531352	5" Full Double Scrim
(1)	531340	FKW 300W Lamp
(1)	531600	**650W FRESNEL**
(1)	531610	Barndoor
(1)	531620	Filter Frame
(1)	531650	6 5/8" Full Single Scrim
(1)	531652	6 5/8" Full Double Scrim
(1)	531640	FRK 650W Lamp
(3)	570051	AS-01 Stand
(1)	571194	Compact 3-Light Case (32 1/2"x17"x10 1/2")
571959W		SAME AS ABOVE WITH WHEELS

571859 150/300/650 COMPACT FRESNEL KIT (for 220V)

571859W	SAME AS ABOVE WITH WHEELS

571983 150/300/650 FRESNEL KIT (80 lbs)

(2)	530100	**150W FRESNEL**
(2)	530110	Barndoor
(2)	530120	Filter Frame
(2)	530150	3" Full Single Scrim
(2)	530152	3" Full Double Scrim
(2)	530143	ESP 150W Lamp
(1)	531300	**300W FRESNEL**
(1)	531310	Barndoor
(1)	531320	Filter Frame
(1)	531350	5" Full Single Scrim
(1)	531352	5" Full Double Scrim
(1)	531340	FKW 300W Lamp
(2)	531600	**650W FRESNEL**
(2)	531610	Barndoor
(2)	531620	Filter Frame
(2)	531650	6 5/8" Full Single Scrim
(2)	531652	6 5/8" Full Double Scrim
(2)	531640	FRK 650W Lamp
(1)	571700	Accessory Pack
(1)	570035	Super Clamp w/ 5/8" Stud
(1)	570112	Ceiling Scissor Clamp
(4)	570050	AS-2 Stand
(1)	571197	Heavy Duty Case (40"x19"x13 1/2")

571883 150/300/650 FRESNEL KIT (for 220V)

571969 300/650 COMPACT FRESNEL KIT (47 lbs)

(2)	531300	**300W FRESNEL**
(2)	531310	Barndoor
(2)	531320	Filter Frame
(2)	531350	5" Full Single Scrim
(2)	531352	5" Full Double Scrim
(2)	531340	FKW 300W Lamp
(1)	531600	**650W FRESNEL**
(1)	531610	Barndoor
(1)	531620	Filter Frame
(1)	531650	6 5/8" Full Single Scrim
(1)	531652	6 5/8" Full Double Scrim
(1)	531640	FRK 650W Lamp
(3)	570051	AS-01 Stand
(1)	571194	Compact 3-Light Case (32 1/2"x17"x10 1/2")
571969W		SAME AS ABOVE WITH WHEELS

571869 300/650 COMPACT FRESNEL KIT (for 220V)

571869W	SAME AS ABOVE WITH WHEELS

571985 300/650 FRESNEL COMBO KIT (85 lbs)

(2)	531300	**300W FRESNEL**
(2)	531310	Barndoor
(2)	531320	Filter Frame
(2)	531350	5" Full Single Scrim
(2)	531352	5" Full Double Scrim
(2)	531340	FKW 300W Lamp
(2)	531600	**650W FRESNEL**
(2)	531610	Barndoor
(2)	531620	Filter Frame
(2)	531650	6 5/8" Full Single Scrim
(2)	531652	6 5/8" Full Double Scrim
(2)	531640	FRK 650W Lamp
(4)	570050	AS-2 Stand
(1)	571700	Accessory Pack
(1)	571197	Heavy Duty Case (40"x19"x13 1/2")

571885 300/650 FRESNEL COMBO KIT (for 220V)

571975 1000/3 FRESNEL KIT (86 lbs)

(3)	531100	**1000W FRESNEL**
(3)	531110	Barndoor
(3)	531120	Filter Frame
(3)	531150	7 3/4" Full Single Scrim
(3)	531152	7 3/4" Full Double Scrim
(3)	531145	EGT 1000W Lamp
(3)	570050	AS-2 Stand
(1)	571700	Accessory Pack
(1)	571197	Heavy Duty Case (40"x19"x13 1/2")

571875 1000/3 FRESNEL KIT (for 220V)

SOFTBANK KITS

LIGHT QUALITY

Light quality can be characterized by how “hard” or “soft” the shadow appears and is determined by the physical size of the source (not the intensity). In general, the larger, more diffused the light source, the softer the light quality. When diffusion material, such as frost or silk is placed in front of a lighting instrument the working size of the source is increased because the diffusion becomes the acting light source. Conversely, a sharp, well defined shadow edge (hard light) is best produced by a small lensed source - the ARRI Fresnel.

Softbank I Kit #571984
One 300W and two 650W ARRI Fresnels for control and the ARRILITE 1000 for use as a powerful fill light or as a large soft source when combined with a Softbank.

571984 SOFTBANK I KIT (86 lbs)

(1)	531300	**300W FRESNEL**
(1)	531310	Barndoor
(1)	531320	Filter Frame
(1)	531350	5” Full Single Scrim
(1)	531352	5” Full Double Scrim
(1)	531340	FKW 300W Lamp
(2)	531600	**650W FRESNEL**
(2)	531610	Barndoor
(2)	531620	Filter Frame
(2)	531650	6 5/8” Full Single Scrim
(2)	531652	6 5/8” Full Double Scrim
(2)	531640	FRK 650W Lamp
(1)	571100	**ARRILITE 1000**
(1)	571110	Barndoor
(1)	571150	7 1/4” Full Single Scrim
(1)	571152	7 1/4” Full Double Scrim
(1)	571159	Chimera Video Pro Bank, Small (24”x32”)
(1)	571158	Chimera 7 1/4” Speed Ring
(1)	571145	DXW 1000W Lamp
(4)	570050	AS-2 Stand
(1)	571700	Accessory Pack
(1)	571197	Heavy Duty Case (40”x19”x13 1/2”)

571884 SOFTBANK I KIT (for 220V)

571989 SOFTBANK II KIT (82 lbs)

(3)	531600	**650W FRESNEL**
(3)	531610	Barndoor
(3)	531620	Filter Frame
(3)	531650	6 5/8” Full Single Scrim
(3)	531652	6 5/8” Full Double Scrim
(3)	531640	FRK 650W Lamp
(1)	571100	**ARRILITE 1000**
(1)	571110	Barndoor
(1)	571150	7 1/4” Full Single Scrim
(1)	571152	7 1/4” Full Double Scrim
(1)	571159	Chimera Video Pro Bank, Small (24”x32”)
(1)	571158	Chimera 7 1/4” Speed Ring
(1)	571145	DXW 1000W Lamp
(4)	570050	AS-2 Stand
(1)	571700	Accessory Pack
(1)	571197	Heavy Duty Case (40”x19”x13 1/2”)

571889 SOFTBANK II KIT (for 220V)

571991 SOFTBANK IV KIT (78 lbs)

(2)	530100	**150W FRESNEL**
(2)	530110	Barndoor
(2)	530120	Filter Frame
(2)	530150	3" Full Single Scrim
(2)	530152	3" Full Double Scrim
(2)	530143	ESP 150W Lamp
(1)	531300	**300W FRESNEL**
(1)	531310	Barndoor
(1)	531320	Filter Frame
(1)	531350	5" Full Single Scrim
(1)	531352	5" Full Double Scrim
(1)	531340	FKW 300W Lamp
(1)	531600	**650W FRESNEL**
(1)	531610	Barndoor
(1)	531620	Filter Frame
(1)	531650	6 5/8" Full Single Scrim
(1)	531652	6 5/8" Full Double Scrim
(1)	531640	FRK 650W Lamp
(1)	571100	**ARRILITE 1000**
(1)	571110	Barndoor
(1)	571150	7 1/4" Full Single Scrim
(1)	571152	7 1/4" Full Double Scrim
(1)	571145	DXW 1000W Lamp
(1)	571159	Chimera Video Pro Bank, Small (24"x32")
(1)	571158	Chimera 7 1/4" Speed Ring
(1)	571700	Accessory Pack
(1)	570035	Super Clamp w/ 5/8" Stud
(1)	570112	Ceiling Scissor Clamp
(4)	570050	AS-2 Stand
(1)	571197	Heavy Duty Case (40"x19"x13 1/2")

571891 SOFTBANK IV KIT (for 220V)

ARRI 150W FRESNEL

The 150W Fresnels (#530100) found in many 120V kits use lamps with a dual contact bayonet base. The only 220V lamp available for this fixture is the 200W JCV (#530146).

The 150W Fresnel (#530102) found in many 220V kits is only for 220/230V operation. It uses the A1/248 lamp (#530144) with a 2-pin (GX6.35) base. There is no 120V lamp available for this fixture.

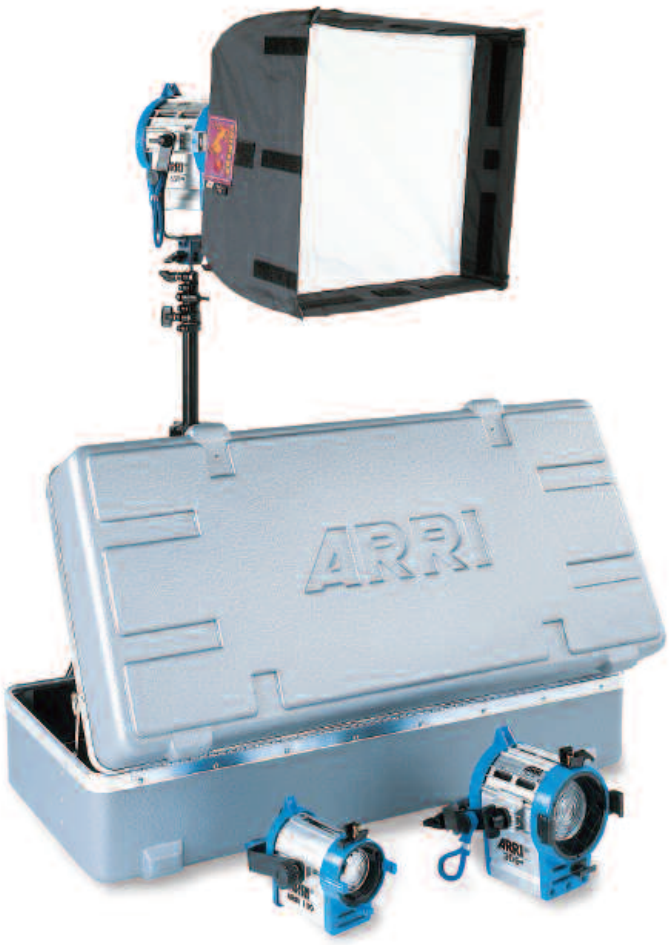
ARRI SOFTBANK KITS

ARRI Softbank Kits combine hard Fresnel sources with a Chimera Softbank. The larger diffused Softbank creates a soft, less defined shadow edge (soft light) like that of a cloudy day and is excellent for interview situations. The use of softer light sources is more forgiving when lighting people. However, diffused soft sources can be difficult to control as they disperse light in many directions. Use care to control the "spill light."

Softbank IV Kit #571991
Studio control in a portable kit. With four Fresnels, one ARRILITE and a Chimera Video Pro, the Softbank IV Kit offers the most flexibility in a portable kit.

SOFTBANK SERIES D KITS

SOFTBANK SERIES D KITS are designed for use with modern digital video cameras. The total wattage has been reduced for these more light sensitive cameras with no loss of control or light quality. ARRI Fresnels with their wide flood to spot ratio are easy to control and the Video Pro XS Softbank is great for interviews and the ideal size for tight locations. Try using a piece of opal or frost in the filter frame on the Fresnel to completely fill the Softbank and reduce the light level.



Softbank D1 Kit #571960
Perfect for use with your new DV camera. With three ARRI Fresnels and a Softbank, the D1 kit is lightweight and portable, but doesn't sacrifice great light quality.

571960 SOFTBANK D1 KIT (48 lbs)

(1)	530100	**150W FRESNEL**
(1)	530110	Barndoor
(1)	530120	Filter Frame
(1)	530150	3" Full Single Scrim
(1)	530152	3" Full Double Scrim
(1)	530143	ESP 150W Lamp
(1)	531300	**300W FRESNEL**
(1)	531310	Barndoor
(1)	531320	Filter Frame
(1)	531350	5" Full Single Scrim
(1)	531352	5" Full Double Scrim
(1)	531340	FKW 300W Lamp
(1)	531600	**650W FRESNEL**
(1)	531610	Barndoor
(1)	531620	Filter Frame
(1)	531650	6 5/8" Full Single Scrim
(1)	531652	6 5/8" Full Double Scrim
(1)	531658	Chimera Speed Ring
(1)	571659	Chimera Video Pro Bank, XS (16"x22")
(1)	531640	FRK 650W Lamp
(1)	570112	Ceiling Scissor Clamp
(3)	570051	AS-01 Stand
(1)	571194	Compact 3-Light Case (32 1/2"x17"x10 1/2")
571960W		SAME AS ABOVE WITH WHEELS

571860 SOFTBANK D1 KIT (for 220V)

571860W	SAME AS ABOVE WITH WHEELS

571961 SOFTBANK D2 KIT (50 lbs)

(2)	531300	**300W FRESNEL**
(2)	531310	Barndoor
(2)	531320	Filter Frame
(2)	531350	5" Full Single Scrim
(2)	531352	5" Full Double Scrim
(2)	531340	FKW 300W Lamp
(1)	531600	**650W FRESNEL**
(1)	531610	Barndoor
(1)	531620	Filter Frame
(1)	531650	6 5/8" Full Single Scrim
(1)	531652	6 5/8" Full Double Scrim
(1)	531658	Chimera Speed Ring
(1)	571659	Chimera Video Pro Bank, XS (16"x22")
(1)	531640	FRK 650W Lamp
(1)	570112	Ceiling Scissor Clamp
(3)	570051	AS-01 Stand
(1)	571194	Compact 3-Light Case (32 1/2"x17"x10 1/2")
571961W		SAME AS ABOVE WITH WHEELS

571861 SOFTBANK D2 KIT (for 220V)

571861W	SAME AS ABOVE WITH WHEELS

571962 SOFTBANK D3 KIT (44 lbs)

(2)	530100	**150W FRESNEL**
(2)	530110	Barndoor
(2)	530120	Filter Frame
(2)	530150	3" Full Single Scrim
(2)	530152	3" Full Double Scrim
(2)	530143	ESP 150W Lamp
(1)	531600	**650W FRESNEL**
(1)	531610	Barndoor
(1)	531620	Filter Frame
(1)	531650	6 5/8" Full Single Scrim
(1)	531652	6 5/8" Full Double Scrim
(1)	531658	Chimera Speed Ring
(1)	571659	Chimera Video Pro Bank, XS (16"x22")
(1)	531640	FRK 650W Lamp
(1)	570112	Ceiling Scissor Clamp
(3)	570051	AS-01 Stand
(1)	571194	Compact 3-Light Case (32 1/2"x17"x10 1/2")
571962W		SAME AS ABOVE WITH WHEELS

571862 SOFTBANK D3 KIT (for 220V)

571862W	SAME AS ABOVE WITH WHEELS

571963 SOFTBANK D4 KIT (50 lbs)

(2)	530100	**150W FRESNEL**
(2)	530110	Barndoor
(2)	530120	Filter Frame
(2)	530150	3" Full Single Scrim
(2)	530152	3" Full Double Scrim
(2)	530143	ESP 150W Lamp
(1)	531300	**300W FRESNEL**
(1)	531310	Barndoor
(1)	531320	Filter Frame
(1)	531350	5" Full Single Scrim
(1)	531352	5" Full Double Scrim
(1)	531340	FKW 300W Lamp
(1)	531600	**650W FRESNEL**
(1)	531610	Barndoor
(1)	531620	Filter Frame
(1)	531650	6 5/8" Full Single Scrim
(1)	531652	6 5/8" Full Double Scrim
(1)	531658	Chimera Speed Ring
(1)	571659	Chimera Video Pro Bank, XS (16"x22")
(1)	531640	FRK 650W Lamp
(1)	570112	Ceiling Scissor Clamp
(4)	570051	AS-01 Stand
(1)	571194	Compact 3-Light Case (32 1/2"x17"x10 1/2")
571963W		SAME AS ABOVE WITH WHEELS

571863 SOFTBANK D4 FRESNEL KIT (for 220V)

571863W	SAME AS ABOVE WITH WHEELS

FIXTURE SELECTION: WATTAGE

Consider these important factors when deciding which size ARRI fixture is best for your production:

- Camera / Film Stock sensitivity
- Area of Coverage
- Depth-of-Field

CAMERA/FILM STOCK SENSITIVITY: Many film and video projects today are recorded on film stocks and video cameras that are extremely light sensitive. In general, the more light sensitive the recording medium the less light you will need to record an image. Many of today's digital cameras are so light sensitive that you may only need the smallest of ARRI's lighting tools to capture your image.

571964 SOFTBANK D5 KIT (50 lbs)

(2)	530100	**150W FRESNEL**
(2)	530110	Barndoor
(2)	530120	Filter Frame
(2)	530150	3" Full Single Scrim
(2)	530152	3" Full Double Scrim
(2)	530143	ESP 150W Lamp
(2)	571065	**ARRILITE 650**
(2)	571110	Barndoor
(2)	571150	7 1/4" Full Single Scrim
(2)	571152	7 1/4" Full Double Scrim
(2)	571158	Chimera 7 1/4" Speed Ring
(2)	571659	Chimera Video Pro Bank, XS (16"x22")
(2)	571140	FAD 650W Lamp
(1)	570035	Super Clamp w/ 5/8" Stud
(1)	570112	Ceiling Scissor Clamp
(4)	570051	AS-01 Stand
(1)	571194	Compact 3-Light Case (32 1/2"x17"x10 1/2")
571964W		SAME AS ABOVE WITH WHEELS

571864 SOFTBANK D5 KIT (for 220V)

571864W	SAME AS ABOVE WITH WHEELS

COMBO KITS

AREA OF COVERAGE: How large an area do you have to light, and is there ambient light that you should consider? If you need to light a large area, you'll most likely start with higher wattage in order to place the instruments further from the subject. When shooting a single person interview, you can use smaller instruments to achieve your creative goals.

DEPTH OF FIELD: More light produces greater depth-of-field (the area in focus), as the f-stop is increased and the aperture is reduced. For many of today's light sensitive digital cameras, using less light to shoot "wide open" is one of the only ways to achieve selective focus control when shooting with anything other than a telephoto lens.

ARRILITE/Fresnel Mini Kit #571993
Lightweight and portable for fast setups.

571986 SOFT/KEY KIT (66 lbs)

(2)	531600	**650W FRESNEL**
(2)	531610	Barndoor
(2)	531620	Filter Frame
(2)	531650	6 5/8" Full Single Scrim
(2)	531652	6 5/8" Full Double Scrim
(2)	531640	FRK 650W Lamp
(1)	536100	**ARRISOFT 1000**
(1)	536120	Filter Frame
(1)	581540	FCM 1000W Lamp
(3)	570050	AS-2 Stand
(1)	571196	Heavy Duty Case (40"x19 1/2"x12 3/4")

571886 SOFT/KEY KIT (for 220V)

571993 ARRILITE/FRESNEL MINI KIT (49 lbs)

(2)	531300	**300W FRESNEL**
(2)	531310	Barndoor
(2)	531320	Filter Frame
(2)	531340	FKW 300W Lamp
(2)	571600	**ARRILITE 600**
(2)	571610	Barndoor
(2)	571640	DYS 600W Lamp
(4)	531350	5" Full Single Scrim
(4)	531352	5" Full Double Scrim
(4)	570051	AS-01 Stand
(1)	571192	Compact 4-Light Case (32 1/2"x17"x10 1/2")
571993W		SAME AS ABOVE WITH WHEELS

571893 ARRILITE/FRESNEL MINI KIT (for 220V)

571893W	SAME AS ABOVE WITH WHEELS

571996 ARRILITE/FRESNEL COMBO KIT (81 lbs)

(2)	531600	**650W FRESNEL**
(2)	531610	Barndoor
(2)	531620	Filter Frame
(2)	531650	6 5/8" Full Single Scrim
(2)	531652	6 5/8" Full Double Scrim
(2)	531640	FRK 650W Lamp
(2)	571100	**ARRILITE 1000**
(2)	571110	Barndoor
(2)	571150	7 1/4" Full Single Scrim
(2)	571152	7 1/4" Full Double Scrim
(2)	571145	DXW 1000W Lamp
(4)	570050	AS-2 Stand
(1)	571700	Accessory Pack
(1)	571197	Heavy Duty Case (40"x19"x13 1/2")

571896 ARRILITE/FRESNEL COMBO KIT (for 220V)

ARRI also provides HMI, Fluorescent and Ceramic lighting fixtures. Please contact your ARRI dealer for details.

OPTIONAL ACCESSORIES

The ARRI Accessory Pack is included with many ARRI Kits or may be purchased separately.

571700 ACCESSORY PACK (4.2 lbs)

(1)	571703	Accessory Pack Bag
(1)	571704	Ditty Bag
(1)	571705	Clothes Pins, 18 pack
(1)	571706	25' Extension Cable w/ Triple Tap
(1)	571707	Lamp Pack, Fresnel
(1)	850010	Grip Gloves

571701 ACCESSORY PACK (4.2 lbs)

Same as above but uses #571808 Lamp Pack, ARRILITES

ALTERNATE LAMPS

Many ARRI Fixtures use a variety of different lamps allowing you to switch to a lower wattage lamp. Following is a partial list of alternate lamps for 120V fixtures.

Fixture	Cat. #	Type	Watts	Color Temp	Life
AL 600	571645	EKB	420	3200°	75 hours
AL 650	571140	FAD	650	3200°	200 hours
FR 150	530140	ESR	100	2900°	750 hours
FR 650	531340	FKW	300	3200°	150 hours
FR 650	531645	FRG	500	3200°	150 hours
FR 1000	531140	EGR	750	3200°	200 hours

SCRIM BAGS

Use ARRI Scrim Bags to hang scrims and filter frames on the light stand while you are working.

571711	Scrim Bag for 3" – 5" Scrims
571712	Scrim Bag for 6 5/8" – 7 3/4" Scrims
571714	Scrim Bag for 9" – 10" Scrims

SAFETY CABLE

Always use a safety cable when hanging lights from a grid or other overhead structure.

853276	Safety Cable

FILTERS

Dichroic Filters raise the color temperature to approximate daylight.

571654	Dichroic Filter for ARRILITE 600
571154	Dichroic Filter for ARRILITE 650 & 1000
571254	Dichroic Filter for ARRILITE 2000

Heat Filter Glass reduces heat without affecting color or intensity.

571157	Heat Filter for ARRILITE 650 & 1000

SNOOTS

Snoots help to cut the light down to a small circular pattern.

530130	Snoot for Fresnel 150
531330	Snoot for Fresnel 300
531630	Snoot for Fresnel 650
531130	Snoot for Fresnel 1000

For a complete list of lamps and accessories, please contact your ARRI dealer.

WIRE SCRIMS are placed in the slot between the front face of the instrument and the barndoors. Full single, double and triple scrims reduce the intensity without changing other characteristics of the beam. Half single, half double and half triple scrims 'cut down' only part of the light field.

- Green Scrim (Single) reduces light by approximately a 1/2 f-stop.
- Red Scrim (Double) reduces light by approximately 1 f-stop.
- Blue Scrim (Triple) reduces light by approximately 1 1/2 f-stop.

SCISSOR CLAMPS easily mount smaller lights to drop ceilings in offices and other industrial spaces. Normally used to hang an instrument directly above or behind the subject for hair/separation light.

SUPER CLAMPS are adjustable, versatile mounting clamps used to quickly attach lights to beams, pipes, ledges, etc.

CABLE CROSSOVERS

Cable Crossovers provide protection and a safe traffic path over cables.

571725	Cable Crossover, Small, Blue
571726	Cable Crossover, Small, Blue, 3 Pack
571727	Cable Crossover, Small, Blue, 6 Pack
571730	Accessory Bag - fits 3 Cable Crossovers

ARRI Kits use tough nylon roller blade wheels to withstand the abuse of life on the road.

ARRI KIT CASES

HEAVY DUTY KIT CASES

ARRI Heavy Duty Cases have a storage compartment in the top lid that's ideal for gels or foldable reflectors and includes the ARRI Accessory Pack with extension cord, lamp pack, and gloves.

1000/3 Fresnel Kit #571975
Three 1000W Fresnels for maximum light control and high output.
Heavy Duty Case included (#571197).

COMPACT KIT CASES

ARRI Compact Kit Cases have a hidden flap in the top lid that will hold a few sheets of gel or diffusion.

150/4 Fresnel Kit #571902W
Four small Fresnels for lightweight versatility and simplicity with great light control. Compact Case included (#571192W).

READY TO ROLL

Order the new, wheeled versions of ARRI Compact Kits for great portability and handling. Compact Kit Cases are now available with the same style wheels we use on our larger Heavy Duty Kit Cases. Rugged nylon roller blade wheels

withstand the abuse of portable production demands, while molded protection bumpers and the reinforced wheelbase provide durability and longevity. To order any Compact or Mini Kit with wheels add a "W" to the catalog number; to order Compact Cases with wheels use catalog numbers 571194W or 571192W.

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POCKET PAR & POCKET LITE 200 / 400

ARRI

POCKET PARS & POCKET LITES

The Pocket Par and Pocket Lite – two new systems from ARRI for the ultimate in production performance and versatility. Simply choose the wattage, the reflector system and the accessories for the ultimate small location lighting fixture.






The ultimate in choice, performance, versatility and safety.

POCKET PAR – Superior light and precise beam control make ARRI Pocket Pars ideal where space is limited and high performance is required.

ARRI's custom designed Dichroic Glass Facetted Reflector and matching spread lenses ensure maximum beam control in all situations. The 200W Par has a four lens set and the 400 Par adds a fifth lens for even more control. Both systems utilize ARRI's unique Frosted Super Wide lens for smooth and even coverage.

POCKET LITE – For newsgathering or field production where portability is the key, Arri's Pocket Lite offers the perfect solution. A lensless daylight fixture, the Pocket Lite's high quality Micro-Stippled Dichroic reflector provides a smooth and powerful beam. A unique focus mechanism quickly adjusts beam angles from 17° to 85° on the 400 and 17° to 59° on the 200. The Pocket Lite - for fast set ups with Arri's traditional performance and durability.

LIGHTHOUSE SYSTEM - Add another dimension to lighting applications with ARRI's Lighthouse and Shutter system. The Lighthouse has a sharp variable beam from very narrow up to 180°. The clear double glass envelope gives a bright even field for hard lighting applications and the frosted glass lighthouse gives a soft-edged smooth finish. Use the lighthouse on its own or with chinese lanterns or Chimera Lightbanks for a soft source.

Designed for fast set-up and safe operation the Pocket Par & Pocket Lite 200 & 400 represent Arri's latest high performance daylight lampheads. Both models offer interchangeable reflector systems and accessories to cover a wide range of production situations.

Pocket Performance

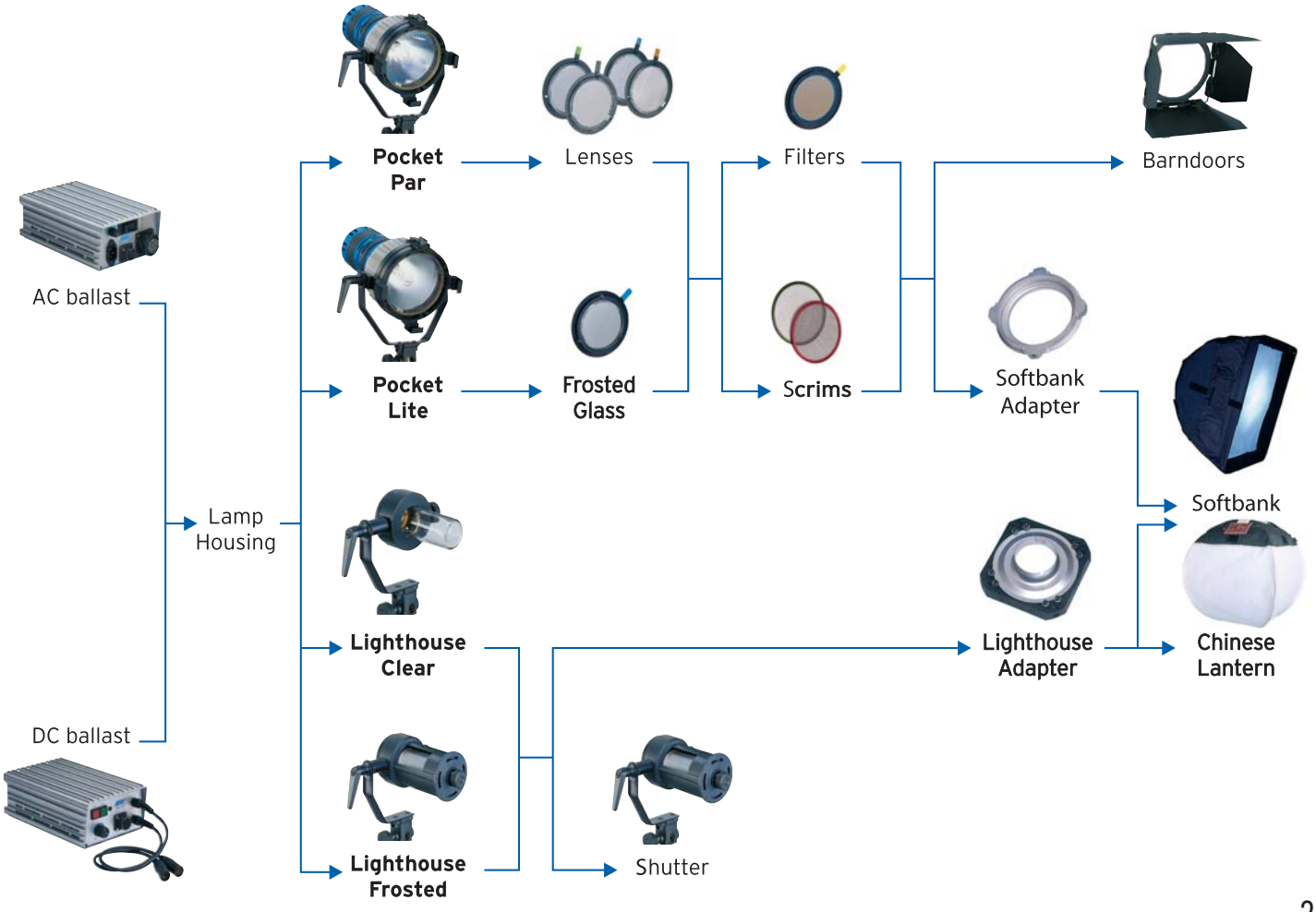
- Superior output
- Coated double UV glass
- Easy spot flood adjustment
- Cold light reflector technology
- Compact design
- Positive bayonet lock system
- Color coded drop–in lenses

Ballast Options

- 125/200W AC Ballast with Active Line Filtering
- 125/200W 20-34V DC Ballast
- 400/575W AC Ballast with Active Line Filtering
- 400/575W AC Ballast with DMX option
- 200/400W 20-34V DC Ballast

Pocket Safety

- Patented locking lampholder
- Double UV protection system
- Safety interlock system



POCKET PAR 200 / POCKET LITE 200

Pocket Par 200 / Pocket Lite 200

502500	POCKET PAR 200 Head
502501	POCKET LITE 200 Head
502201	25′ Head/Ballast Cable
502202	50′ Head/Ballast Cable
531310	Four-Leaf Barndoor
502525	Four-Lens Set (Medium, Wide, Super Wide, Frosted)
502232	Lens Bag
502245	200W Single Ended HMI Lamp
531350	5″ Full Single Scrim
531352	5″ Full Double Scrim
531354	5″ Full Triple Scrim
502521	3/4 CTO Glass Filter
502558	5″ Chimera Speed Ring
571659	Chimera XS Video Pro Bank
502557	Chimera Lantern Adapter
504558	Chimera 20″ Lantern
571660	Hand Grip
502511	Lighthouse Assembly, Clear
502512	Lighthouse Assembly, Frosted
502513	Lighthouse Stirrup
502514	Shutter
502806	125/200W Electronic Ballast 120/220V, 50/60Hz
502808	125/200W DC Electronic Ballast, 24-30V
502595	Case for POCKET PAR/LITE 200 System

NOTE: POCKET PAR OR POCKET LITE Head consists of a lamphouse and reflector assembly. If required, these may be ordered separately.

502506	POCKET 200 Lamphouse
502507	POCKET PAR 200 Reflector Assembly
502508	POCKET LITE 200 Reflector Assembly

PHOTOMETRICS

PHOTOMETRIC DATA

DISTANCE	10 ft. (3m)	15 ft. (4.6m)	20 ft. (6.1m)	25 ft. (7.6m)
LENS TYPE (BEAM ANGLE)	**FOOTCANDLES**			
Super Spot (6°)	4,698	2,088	1,175	752
Spot (10°)	2,025	900	506	324
Spot - max focus (24.5°)	459	204	115	73
Wide (20°)	678	301	169	108
Wide- max focus (41.5°)	194	86	49	31
Super Wide (44.5°)	179	80	45	29
Super Wide - max focus (61°)	102	45	25	16
Frosted Super Wide (37°)	143	64	36	23
Frosted Super Wide- max focus (59°)	76	34	19	12
POCKET LITE 200				
Spot (17.5°)	758	337	189	121
Flood (59.5°)	136	60	34	22

	10 ft. (3m)	15 ft. (4.6m)	20 ft. (6.1m)	25 ft. (7.6m)
LENS TYPE (BEAM ANGLE)	**BEAM SIZE** (IN FT.)			
Super Spot (6°)	1.0	1.6	2.1	2.6
Spot (10°)	1.7	2.6	3.5	4.4
Spot - max focus (24.5°)	4.3	6.5	8.7	10.9
Wide (20°)	3.5	5.3	7.1	8.8
Wide - max focus (41.5°)	7.6	11.4	15.2	18.9
Super Wide (44.5°)	8.2	12.3	16.4	20.5
Super Wide - max focus (61°)	11.8	17.7	23.6	29.5
Frosted Super Wide (37°)	6.7	10.0	13.4	16.7
Frosted Super Wide- max focus (59°)	11.3	17.0	22.6	28.3
POCKET LITE 200				
Spot (17.5°)	3.1	4.6	6.2	7.7
Flood (59.5°)	11.4	17.1	22.9	28.6

MAX FOOTCANDLES AT ANY DISTANCE	
Super Spot (6°)	469,800 ÷ distance^2
Spot (10°)	202,500 ÷ distance^2
Wide - max focus (20°)	67,730 ÷ distance^2
Super Wide (44.5°)	17,910 ÷ distance^2
Frosted Super Wide (37°)	14,310 ÷ distance^2
POCKET LITE 200	
Spot (17.5°)	75,780 ÷ distance^2
Flood (59.5°)	13,590 ÷ distance^2

POCKET PAR 400 / POCKET LITE 400

Pocket Par 400 / Pocket Lite 400

504500 POCKET PAR 400 Head
504501 POCKET LITE 400 Head
504502 25' Head/Ballast Cable
504503 50' Head/Ballast Cable
531610 Four-Leaf Barndoor
502325 Five-Lens Set (Spot, Medium, Wide, Super Wide, Frosted)
502232 Lens Bag
504545 400W Single Ended HMI Lamp
531650 6 5/8" Full Single Scrim
531652 6 5/8" Full Double Scrim
531654 6 5/8" Full Triple Scrim
504521 3/4 CTO Glass Filter
531658 6 5/8" Chimera Speed Ring
571159 Chimera Video Pro Bank, Small
504557 Chimera Lantern Adapter
504558 Chimera 20" Lantern
571660 Hand Grip
504511 Lighthouse Assembly, Clear
504512 Lighthouse Assembly, Frosted
502513 Lighthouse Stirrup
504514 Shutter
504806 400/575W Electronic Ballast, 120/220V, 50/60Hz
504807 400/575W Electronic Ballast w/ DMX, 120/220V, 50/60Hz
504808 200/400W DC Electronic Ballast, 24-30VDC
504596 Case for POCKET PAR/LITE 400
504595 Case for POCKET PAR/LITE 400 + Lighthouse System

NOTE: POCKET PAR OR POCKET LITE Head consists of a lamphouse and reflector assembly. If required, these may be ordered separately.

504506 POCKET 400 Lamphouse
502507 POCKET PAR 400 Reflector Assembly
502508 POCKET LITE 400 Reflector Assembly

PHOTOMETRICS

PHOTOMETRIC DATA

DISTANCE	10 ft. (3m)	15 ft. (4.6m)	20 ft. (6.1m)	25 ft. (7.6m)
LENS TYPE (BEAM ANGLE)		**FOOTCANDLES**		
Super Spot (5°)	11,500	5,111	2,875	1,840
Spot (8°)	6,150	2,733	1,538	98
Spot -max focus (17°)	1,675	744	419	268
Medium (10° x 21°)	2,375	1,056	594	380
Medium - max focus (21° x 27°)	913	406	228	146
Wide (17° x 35°)	938	417	234	150
Wide - max focus (42°x 55°)	300	133	75	48
Super Wide (33°)	550	244	138	88
Super Wide - max focus (60°)	200	89	50	32
Frosted Super Wide (30°)	375	167	94	60
Frosted Super Wide - max focus (70°)	113	50	28	18
POCKET LITE 400				
Spot (17°)	1,625	722	406	260
Flood (85°)	150	67	38	24

MAX FOOTCANDLES AT ANY DISTANCE	
Super Spot (5°)	1,150,000 ÷ distance^2
Spot (8°)	615,000 ÷ distance^2
Medium (10° x 21°)	237,500 ÷ distance^2
Wide - max focus (17° x 35°)	93,750 ÷ distance^2
Super Wide (33°)	55,000 ÷ distance^2
Frosted Super Wide (30°)	37,500 ÷ distance^2
POCKET LITE 200	
Spot (17.5°)	162,500 ÷ distance^2
Flood (59.5°)	15,000 ÷ distance^2

LENS TYPE (beam angle)	10 ft. (3m)	15 ft. (4.6m)	20 ft. (6.1m)	25 ft. (7.6m)
	BEAM SIZE (IN FT.)			
Super Spot (5°)	0.9	1.3	1.7	2.2
Spot (8°)	1.4	2.1	2.8	3.5
Spot - max focus (17°)	3.0	4.5	6.0	7.5
Medium (10° x 21°)	1.8 x 3.7	2.6 x 5.6	3.5 x 7.4	4.4 x 9.3
Medium - max focus (21° x 27°)	3.7 x 5.1	5.6 x 7.6	7.4 x 10.2	9.3 x 12.7
Wide (17° x 35°)	3.0 x 6.3	4.5 x 9.5	6.0 x 12.6	7.5 x15.8
Wide - max focus (42° x 55°)	7.7 x 10.4	11.5 x 15.6	15.4 x 20.8	19.2 x 26
Super Wide (33°)	5.9	8.9	11.8	14.8
Super Wide - max focus (60°)	11.5	17.3	23.1	28.9
Frosted Super Wide (30°)	5.4	8.0	10.7	13.4
Frosted Super Wide- max focus (70°)	14.0	21.0	28.0	35.0
POCKET LITE 400				
Spot (17°)	3.0	4.5	6.0	7.5
Flood (85°)	18.3	27.5	36.7	45.8

POCKET PAR & POCKET LITE KITS

Pocket Par & Pocket Lite Kits package lampheads, ballasts and accessories in rugged custom designed cases.

502960 POCKET PAR 200 AC KIT

(1)	502500	POCKET PAR 200 Head
(1)	502201	25' Head/Ballast Cable
(1)	531310	Four-Leaf Barndoor
(1)	502525	Four-Lens Set
(1)	502323	Lens Bag
(1)	502245	200W SE HMI Lamp
(1)	531350	5" Full Single Scrim
(1)	531352	5" Full Double Scrim
(1)	502558	Chimera Speed Ring
(1)	571659	Chimera Video Pro Bank XS
(1)	571660	Hand Grip
(1)	502806	125/200W Electronic Ballast
(1)	502595	Case, Pocket Par/Lite 200 system

502961 POCKET PAR 200 AC/DC KIT

All of the above, plus

(1)	502808	125/200W DC Electronic Ballast

502966 POCKET PAR 200 LIGHTHOUSE AC KIT

(1)	502500	POCKET PAR 200 Head
(1)	502201	25' Head/Ballast Cable
(1)	531310	Four-Leaf Barndoor
(1)	502525	Four-Lens Set
(1)	502323	Lens Bag
(1)	502245	200W SE HMI Lamp
(1)	531350	5" Full Single Scrim
(1)	531352	5" Full Double Scrim
(1)	502557	Chimera Lantern Adapter
(1)	502558	Chimera Speed Ring
(1)	571659	Chimera Video Pro Bank XS
(1)	571660	Hand Grip
(1)	502511	Lighthouse Assembly, Clear
(1)	502513	Lighthouse Stirrup
(1)	502514	Shutter
(1)	502806	125/200W Electronic Ballast
(1)	502595	Case, Pocket Par/Lite 200 system

502967 POCKET PAR 200 LIGHTHOUSE AC/DC KIT

All of the above, plus

(1)	502808	125/200W DC Electronic Ballast

502962 POCKET LITE 200 AC KIT

(1)	502501	POCKET LITE 200 Head
(1)	502201	25' Head/Ballast Cable
(1)	531310	Four-Leaf Barndoor
(1)	502245	200W SE HMI Lamp
(1)	531350	5" Full Single Scrim
(1)	531352	5" Full Double Scrim
(1)	502521	3/4 CTO Glass Filter
(1)	502558	Chimera Speed Ring
(1)	571659	Chimera Video Pro Bank XS
(1)	571660	Hand Grip
(1)	502806	125/200W Electronic Ballast
(1)	502595	Case, Pocket Par/Lite 200 system

502963 POCKET LITE 200 AC/DC KIT

All of the above, plus

(1)	502808	125/200W DC Electronic Ballast

502968 POCKET LITE 200 LIGHTHOUSE AC KIT

(1)	502501	POCKET LITE 200 Head
(1)	502201	25' Head/Ballast Cable
(1)	531310	Four-Leaf Barndoor
(1)	502245	200W SE HMI Lamp
(1)	531350	5" Full Single Scrim
(1)	531352	5" Full Double Scrim
(1)	502521	3/4 CTO Glass Filter
(1)	502557	Chimera Lantern Adapter
(1)	502558	Chimera Speed Ring
(1)	571659	Chimera Video Pro Bank XS
(1)	571660	Hand Grip
(1)	502511	Lighthouse Assembly, Clear
(1)	502513	Lighthouse Stirrup
(1)	502514	Shutter
(1)	502806	125/200W Electronic Ballast
(1)	502595	Case, Pocket Par/Lite 200 system

502969 POCKET LITE 200 LIGHTHOUSE AC/DC KIT

All of the above, plus

(1)	502808	125/200W DC Electronic Ballast

The Pocket Par/Pocket Lite 400 Lighthouse Kit includes a retractable handle and integral casters.

504960 POCKET PAR 400 AC KIT

(1)	504500	POCKET PAR 400 Head
(1)	504502	25' Head/Ballast Cable
(1)	531610	Four-Leaf Barndoor
(1)	502325	Five-Lens Set
(1)	502323	Lens Bag
(1)	504545	400W SE HMI Lamp
(1)	531650	6 5/8" Full Single Scrim
(1)	531652	6 5/8" Full Double Scrim
(1)	531658	6 5/8" Chimera Speed Ring
(1)	571159	Chimera Video Pro Bank, Small
(1)	571660	Hand Grip
(1)	504806	400/575W Electronic Ballast
(1)	504596	Case, Pocket Par/Lite 400

504961 POCKET PAR 400 AC/DC KIT

All of the above, plus

(1)	504808	200/400W DC Electronic Ballast

504966 POCKET PAR 400 LIGHTHOUSE AC KIT

(1)	504500	POCKET PAR 400 Head
(1)	504502	25' Head/Ballast Cable
(1)	531610	Four-Leaf Barndoor
(1)	502325	Five-Lens Set
(1)	502323	Lens Bag
(1)	504545	400W SE HMI Lamp
(1)	531650	6 5/8" Full Single Scrim
(1)	531652	6 5/8" Full Double Scrim
(1)	504557	Chimera Lantern Adapter
(1)	531658	6 5/8" Chimera Speed Ring
(1)	571159	Chimera Video Pro Bank, Small
(1)	571660	Hand Grip
(1)	504511	Lighthouse Assembly, Clear
(1)	502513	Lighthouse Stirrup
(1)	504514	Shutter
(1)	504806	400/575W Electronic Ballast
(1)	504595	Case, Pocket Par/Lite 400 system

504967 POCKET PAR 400 LIGHTHOUSE AC/DC KIT

All of the above plus

(1)	504808	200/400W DC Electronic Ballast

504962 POCKET LITE 400 AC KIT

(1)	504501	POCKET LITE 400 Head
(1)	504502	25' Head/Ballast Cable
(1)	531610	Four-Leaf Barndoor
(1)	504545	400W SE HMI Lamp
(1)	531650	6 5/8" Full Single Scrim
(1)	531652	6 5/8" Full Double Scrim
(1)	504521	3/4 CTO Glass Filter
(1)	531658	6 5/8" Chimera Speed Ring
(1)	571159	Chimera Video Pro Bank, Small
(1)	571660	Hand Grip
(1)	504806	400/575W Electronic Ballast
(1)	504596	Case, Pocket Par/Lite 400

504963 POCKET LITE 400 AC/DC KIT

All of the above plus

(1)	504808	200/400W DC Electronic Ballast

504968 POCKET LITE 400 LIGHTHOUSE AC KIT

(1)	504501	POCKET LITE 400 Head
(1)	504502	25' Head/Ballast Cable
(1)	531610	Four-Leaf Barndoor
(1)	504545	400W SE HMI Lamp
(1)	531650	6 5/8" Full Single Scrim
(1)	531652	6 5/8" Full Double Scrim
(1)	504521	3/4 CTO Glass Filter
(1)	504557	Chimera Lantern Adapter
(1)	531658	6 5/8" Chimera Speed Ring
(1)	571159	Chimera Video Pro Bank, Small
(1)	571660	Hand Grip
(1)	504511	Lighthouse Assembly, Clear
(1)	502513	Lighthouse Stirrup
(1)	504514	Shutter
(1)	504806	400/575W Electronic Ballast
(1)	504595	Case, Pocket Par/Lite 400 system

504969 POCKET LITE 400 LIGHTHOUSE AC/DC KIT

All of the above plus

(1)	504808	200/400W DC Electronic Ballast

SPECIFICATIONS

Fixture: POCKET PAR/LITE 200
Reflector (Pocket Par): Faceted Dichroic Glass
Reflector (Pocket Lite): Micro Stippled Dichroic Glass
Lampholder: G2Y9.5
Mounting: 5/8" (16mm stand mount)
Scrim Size: 6 5/8" (168mm)

Ballast: 125/200W AC
Lamp Power: 125/200W
Dimming: Yes
Low Noise Switch: No
Input Voltage: 90-130V /180-250V, 50/60Hz
Nom Input Current: 1.9A @120V
Input Apparent Power: 225VA
Input Real Power: 235W
Power Factor: Approx. 0.98
Efficiency: >85%

Dimensions
Length: 10.0" (255mm) / 10.5" (265mm)
Height: 5.7" (145mm) / 5.7" (147mm)
Width: 8.1" (207mm) / 8.1" (205mm)
Weight: 4.6 / 4.7 lbs. (2.1kg)

Dimensions
Height: 2.8" (70mm)
Width: 5.1" (130mm)
Depth: 9.5" (241mm)
Weight: 5.1 lbs. (2.3kg)

SPECIFICATIONS

Fixture: Pocket Par/Lite 400
Reflector (Pocket Par): Faceted Dichroic Glass
Reflector (Pocket Lite): Micro Stippled Dichroic Glass
Lampholder: G2Y9.5
Mounting: 5/8" (16mm stand mount)
Scrim Size: 6 5/8" (168mm)

Ballast: 400/575W
Lamp Power: 400/575W
Dimming: Yes
Low Noise Switch: No
Input Voltage: 90-130V /180-250V
Nom Input Current: 5.6A @ 120V
Input Apparent Power: 667VA Max
Input Real Power: 655W
Power Factor: Approx. 0.98
Efficiency: >85%

Dimensions
Length: 11.4" (290mm) / 10.6" (270mm)
Height: 7.1" (180mm) / 7.1" (180mm)
Width: 8.8" (225mm) / 8.8" (225mm)
Weight: 6.1 / 6.3 lbs. (2.9kg)

Dimensions
Height: 3.6" (91mm)
Width: 6.1" (155mm)
Depth: 10.4" (265mm)
Weight: 5.7 lbs (2.6kg)

* For more details, please see the Arri Lighting Catalog

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ARRI ACCESSORIES

ARRI ACCESSORIES

1800W Digital Dimmer

Catalog No.	571740
Power Input	95-130VAC, 50-60Hz NEMA 5-15 flanged inlet and receptacle outlet
Input Protection	15A push-to-reset circuit breaker
Minimum Load	50VA
Maximum Load	1800VA
Dimmer	For incandescent lamps, magnetic transformers, fans and dimmable magnetic ballasts
Power Device	40A, 600VAC alternistor, optically isolated with minimum 500A surge capacity
Dimmer Response	Square law dimming curve
Local Control	60 mm slider level control with integral guard to protect slider
Digital Display	Represents the control level as 0 to 100%
Construction	Aluminum extrusion clear coat, Blue anodize end plates, nomenclature permanently laser engraved (white), 1/4 - 20 x 3/8" deep blind threaded insert located center bottom of extruded case, front panel / guard has 2ea slots for safety cable or tie strap
Operating	32°-104° F (0°-40° C)
Certification	UL

Dimensions

Height	2.3" (58 mm)
Width	4" (102 mm)
Depth	5" (127 mm)
Weight	2 lbs. (0.92 kg)

Features

- Precise digital control assures accurate and repeatable level setting
- 1800 Watt Load
- Controls incandescent and inductive loads
- Convection cooled for quiet, fan-free operation
- Integral manual control using 60 mm slide potentiometer
- Three-digit display shows selected dimmer level from 0-100%
- Microprocessor-based control electronics for precision
- 100% solid state design for reliability
- Exact level repeatability
- Short circuit proof, circuit breaker (15A) protected
- Voltage regulation maintains dimmer output within 2% despite fluctuations in input voltage
- Power fail memory, retains dimmer level upon loss of power
- 1/4 - 20 threaded insert for mounting
- Safety cable attachment locations (2ea)

Electronic Dimmers

Manufactured by LEX Products Corp/Electrol

6K, 12K and 24K Single Dimmers

531530	6K Dimmer w/ DMX (120V/50-60Hz)
533130	12K Dimmer w/ DMX (120V/50-60Hz)
533230	24K Dimmer w/ DMX (220V/50-60Hz)

The new RFD Series dimmers combine Electrol's advanced DX Series dimmer technology with the innovative extruded aluminum Lex PowerRACK system for a unique portable dimming solution. 6,000, 12,000 and 24,000 Watt units can be used individually and placed next to lamps, eliminating the need for extra power cables. Or, three (3) dimmers can be combined in a rolling rack that includes power distribution and feed through capability. Both configurations allow dimming control at the dimmer or via DMX 512 and are designed with flexibility and transportation in mind.

RFD Series Dimmers in "Stand-Alone" Housing

High impact plastic tops and bottoms protect the unit and its components
Ergonomic design for portability includes top mounted carrying handle
Fully digital controls for quick set-up and precise level setting
Includes pre-heat and relay functions
Accepts DMX 512 signal for remote control
Controls and connectors are recessed for protection and longevity
Convection cooled and filtered for quiet operation

Dimensions

Height	14" (356 mm)
Width	8" (203 mm)
Depth	14" (356 mm)
Weight	25 lbs. (11.3 kg)

Features

Three-digit display shows selected dimmer level from 0-100%, lamp pre-heat level from 0-20% and DMX 512 address from 001-512
Separate LEDs indicate operating modes and presence of DMX 512 control signal
Power fail memory – retains dimmer level, pre-heat level, operating mode and DMX 512 address
Panel mount stage pin connectors for input and output
Short circuit proof, circuit breaker protected
Neon indicators show status of line, circuit breaker and output
Modular panel incorporating microprocessor based control electronics for precision
100% solid state design for reliability
8-bit resolution allows full 256-step dimming control to ensure exact level repeatability
Voltage regulation maintains dimmer output within 2% despite fluctuations in input voltage

Specifications

Dimmer Mode	Drives fans, incandescent lamps, and dimmable magnetic transformers and ballasts
Relay Mode	Provides full sine-wave output for non-dimmable loads
Power Device	125A, 1200VAC SCR pair, optically isolated with 2200A surge capacity
Dimmer Response	Square law dimming curve, response time < 8ms
Filtering	360 µs rise time copper wound toroidal choke
Local Control	Integral momentary pushbuttons and digital display
Remote Control	Accepts DMX 512 control signal
DMX 512 Connectors	Neutrik 5 pin XLR male and female for DMX 512 input and DMX 512 thru
Operating Conditions	32°-104° F (0°-40° C)
Certification	UL

SOFTBANKS AND ACCESSORIES

502558	Chimera 5" Speed Ring (0.6 lb.) (FR 300, PP 200, Compact 125)
531658	Chimera 6 5/8" Speed Ring (0.7 lb.) (FR 650, PP 400, Compact 200)
571158	Chimera 7 1/4" Speed Ring (0.4 lb.) (ARRILITE 1000, ARRILITE 650)
571258	Chimera 10" Speed Ring (2.5 lbs.) (ARRILITE 2000)
501359	Chimera Video Pro Bank XXS (12" x 16") (0.7 lb.)
571659	Chimera Video Pro Bank, XS (16" x 22") (1.5 lbs.)
571656	Chimera Grid Screen Set XS
571658	Chimera Grid 40° Fabric Grid XS
571159	Chimera Video Pro Bank, Small (24" x 32") (1.5 lbs.)
571156	Chimera Grid Screen Set, Small
571160	Chimera Grid 40° Fabric Grid Small
571259	Chimera Quartz Bank, Small (24" x 32") (2 lbs.)

STANDS AND MOUNTING ACCESSORIES

570052	AS-1 Lightweight Stand (folded 26.5", extends to 7'8") (2.6 lbs.)
570051	AS-01 Lightweight Stand (folded 30", extends to 8'6") (3 lbs.)
570050	AS-2 Lightweight Stand (folded 34.5", extends to 8'6") (3.2 lbs.)
570004	AS-3 Lightweight Stand (folded 42.5", extends to 12'8") (5 lbs.)
570035	Super Clamp w/ 5/8" Stud (1.2 lbs.)
570030	Super Clamp without Stud (1 lb.)
570143	Magic Arm (2.2 lbs.)
C01000	Junior Pipe Clamp (3.4 lbs.)
C02100	Baby Pipe Clamp (2.5 lbs.)
C02025	Mega-Swivel™ Pipe Clamp w/ Bolt (2 lbs.)
853276	Safety Cable (0.2 lb.)
570112	Ceiling Scissor Clip 5/8" Stud (1 lb.)

NOTES