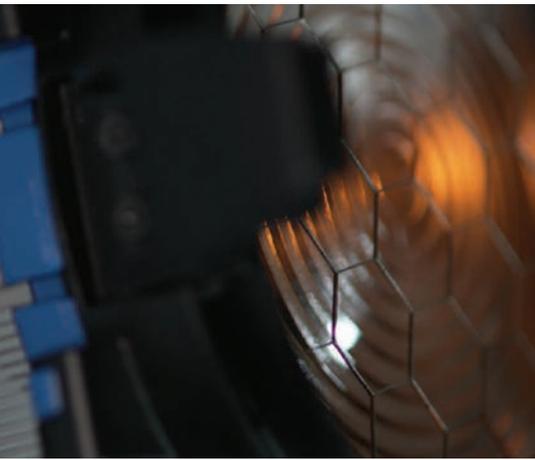


TRUE BLUE

New Location & Studio Fresnels





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.

The new Stegmaier connector* and strain relief rotate to allow the cable orientation to be quickly adjusted for hanging or stand mounting. 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



Stegmaier Connector

We've named this component for its inventor and the principal designer of ARRI TRUE BLUES. With this combination connector and strain relief, the power cable can be quickly reoriented for stand mount or hanging fixtures. In addition, the connector, along with ARRI's new lampholder, allows us to eliminate the interior terminal block.

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

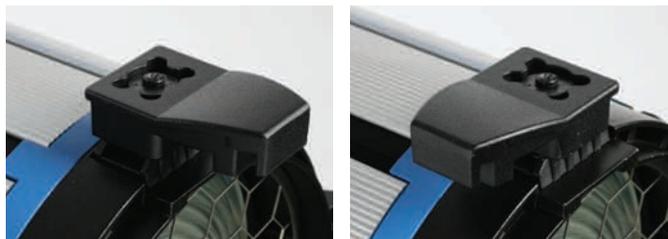
ARRI's new design creates a positive lock so there's no slippage when using heavy accessories. A stainless steel friction disc functions like a disc brake allowing the lamphead to be completely locked off with a minimum of force.

* 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.

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.

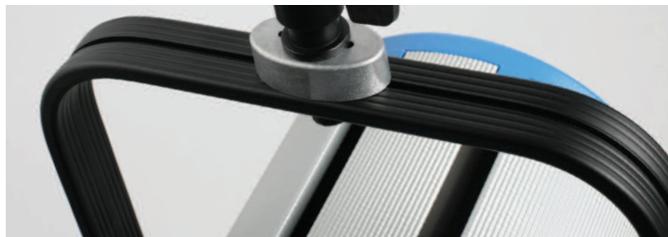
Stainless Steel Lens Protection

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.



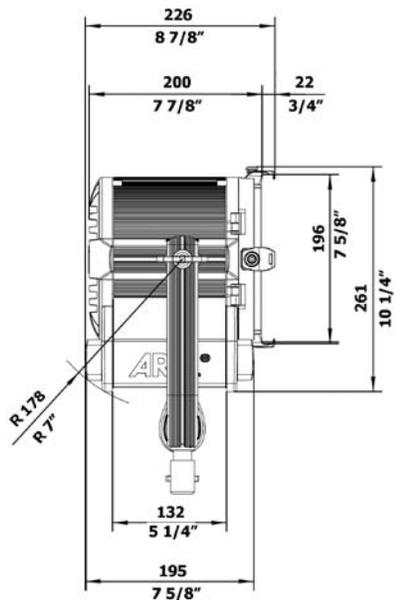
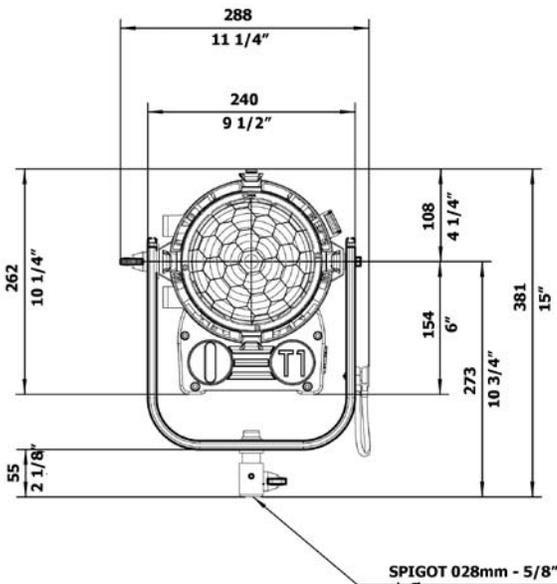
IP23



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).



AVAILABLE SEPTEMBER 2008



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)
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" (28 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 ÷ Distance² Beam Diameter = Distance x 0.14

Medium Performance at any distance:

Footcandles (or lux) = 41,800 ÷ Distance² Beam Diameter = Distance x 0.54

Flood Performance at any distance:

Footcandles (or lux) = 19,350 ÷ Distance² Beam Diameter = Distance x 1.02

*Stand Model

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)		
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" (28 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)
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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:

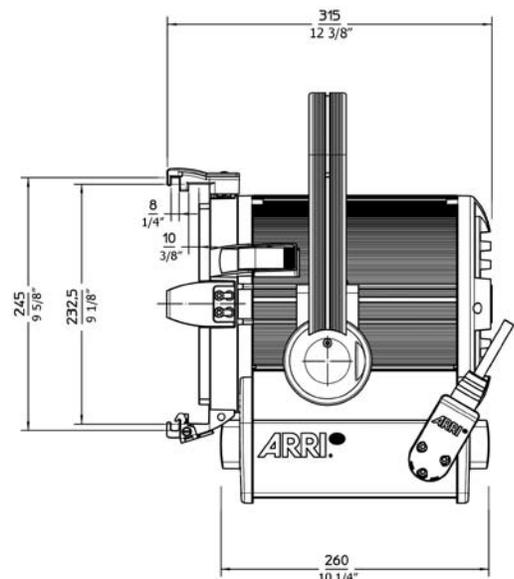
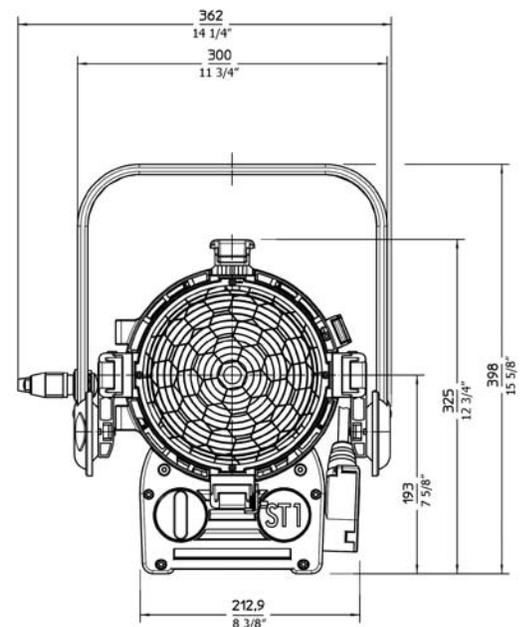
$$\text{Footcandles (or lux)} = 166,725 \div \text{Distance}^2 \quad \text{Beam Diameter} = \text{Distance} \times 0.18$$

Medium Performance at any distance:

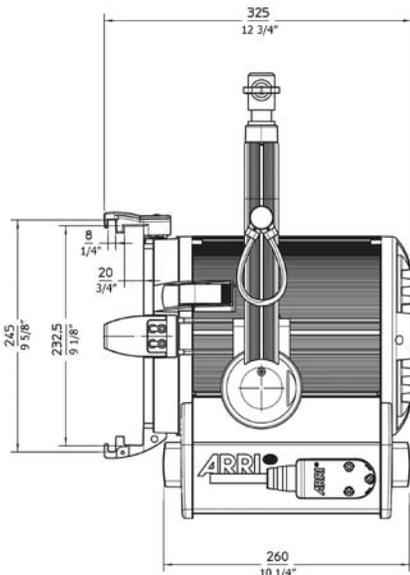
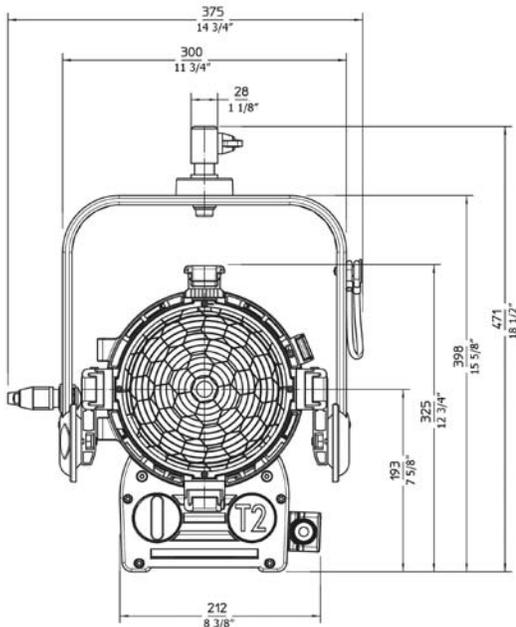
$$\text{Footcandles (or lux)} = 40,900 \div \text{Distance}^2 \quad \text{Beam Diameter} = \text{Distance} \times 0.54$$

Flood Performance at any distance:

$$\text{Footcandles (or lux)} = 20,050 \div \text{Distance}^2 \quad \text{Beam Diameter} = \text{Distance} \times 1.02$$



*Stand Model



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	CVV	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)
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" (28 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:

$$\text{Footcandles (or lux)} = 209,175 \div \text{Distance}^2 \quad \text{Beam Diameter} = \text{Distance} \times 0.23$$

Medium Performance at any distance:

$$\text{Footcandles (or lux)} = 72,200 \div \text{Distance}^2 \quad \text{Beam Diameter} = \text{Distance} \times 0.54$$

Flood Performance at any distance:

$$\text{Footcandles (or lux)} = 30,425 \div \text{Distance}^2 \quad \text{Beam Diameter} = \text{Distance} \times 1.11$$

*Stand Model

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	CVV	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)			
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" (250 mm) low expansion borosilicate Fresnel lens			
Reflector	Spherical specular high purity aluminum			
Lampholder	G22/38			
Mounting	1 1/8" (28 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)
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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
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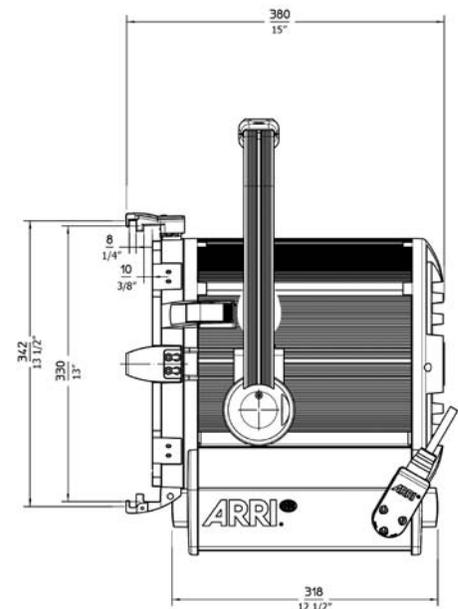
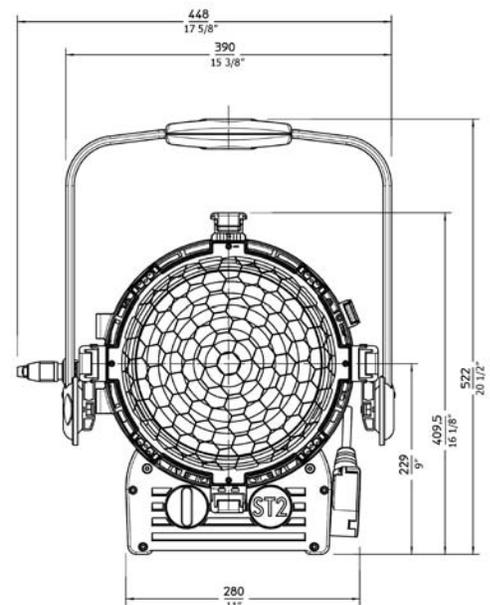
Medium Performance at any distance:

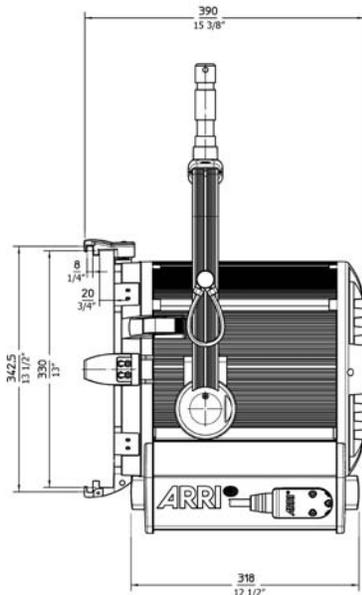
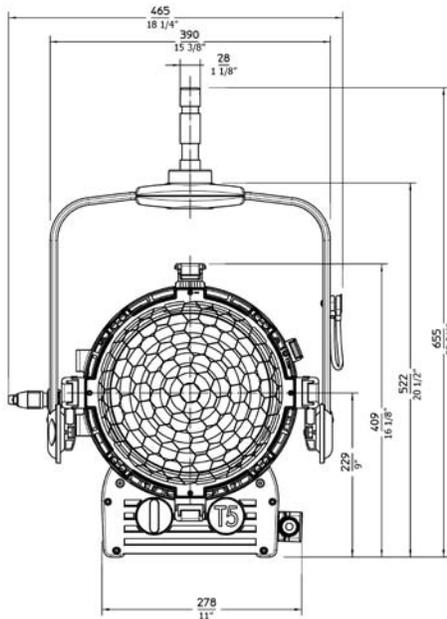
Footcandles (or lux) = 95,200 ÷ Distance ²	Beam Diameter = Distance x 0.54
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Flood Performance at any distance:

Footcandles (or lux) = 45,400 ÷ Distance ²	Beam Diameter = Distance x 1.02
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*Stand Model





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)	
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" (250 mm) low expansion borosilicate Fresnel lens	
Reflector	Spherical specular high purity aluminum	
Lampholder	G22/38	
Mounting	1 1/8" (28 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:

$$\text{Footcandles (or lux)} = 482,600 \div \text{Distance}^2 \quad \text{Beam Diameter} = \text{Distance} \times 0.26$$

Medium Performance at any distance:

$$\text{Footcandles (or lux)} = 241,125 \div \text{Distance}^2 \quad \text{Beam Diameter} = \text{Distance} \times 0.54$$

Flood Performance at any distance:

$$\text{Footcandles (or lux)} = 120,275 \div \text{Distance}^2 \quad \text{Beam Diameter} = \text{Distance} \times 1.0$$

*Stand Model

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)
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" (28 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:

$$\text{Footcandles (or lux)} = 587,500 \div \text{Distance}^2 \quad \text{Beam Diameter} = \text{Distance} \times 0.21$$

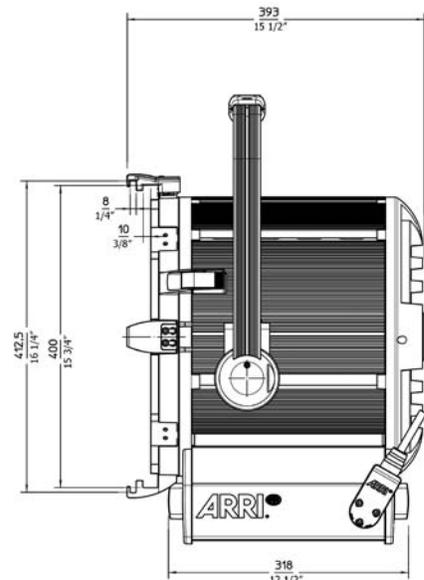
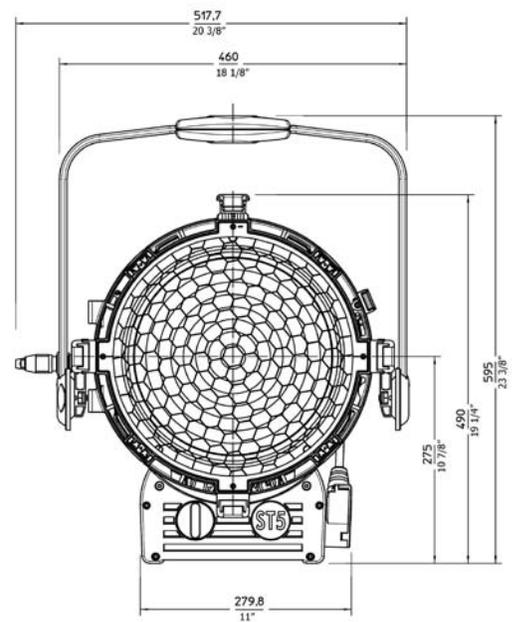
Medium Performance at any distance:

$$\text{Footcandles (or lux)} = 250,850 \div \text{Distance}^2 \quad \text{Beam Diameter} = \text{Distance} \times 0.54$$

Flood Performance at any distance:

$$\text{Footcandles (or lux)} = 98,375 \div \text{Distance}^2 \quad \text{Beam Diameter} = \text{Distance} \times 1.18$$

*Stand Model



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