



LED
FRESNELS

Desisti



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COMMON KEY FEATURES



// GLASS FRESNEL LENS

De Sisti utilizes a true Fresnel lens made of high quality, shock resistant borosilicate glass. Plastics lenses may discolor over time negatively affecting both output and color temperature. Glass is consistent, resilient to heat and offers better uniformity in beam projection.

// TRADITIONAL FRESNEL FOCUS RANGE & OUTPUT

All our Fresnels offer a Spot to Flood focus range of 8°-55°, the widest beam angle of any LED fresnel on the market.

// PATENTED OPTICS

Our internationally patented optical system optimizes the LED source. The reflector design in combination with a Fresnel lens gives us the highest optical efficiency in the industry. De Sisti is able to achieve similar outputs to our competitors with half the power requirements. Our Super LED Fresnels produce the exact light you've come to expect from a traditional Fresnel.



// HIGH COLOR QUALITY OF LIGHT

You can expect the highest color quality from De Sisti Super LED Fresnels with CRI & TLCI values above 95 throughout the range. The results ensure maximum compatibility of the light emitted by the devices with optical cameras that have no need for further adjustments.

// SILENT OPERATION, WITH THE RIGHT TEMPERATURE

We use Self Stabilizing Silent Active Cooling technology. The speed of the fan is managed by an internal thermal sensor and CPU, automatically adjusting the temperature of the LED Array to 65°C. The hydro dynamic bearing fan operates silently with a very low RPM. A unit must always be silent when it operates, not only with the fans switched off.

// UNIVERSAL PSU

De Sisti Super Fresnels are ready to use around the World with auto sensing power supplies accepting voltages from 90-250 volts.



LED FRESNEL SUPER SERIES

NEW IMPROVEMENTS AND VARIETY TO THE LED FRESNEL RANGE



The De Sisti **LED Fresnel SUPER SERIES** have new & improved LED arrays.

CORRELATED COLOR TEMPERATURE	PREVIOUS LED ARRAY	NEW LED ARRAY
TUNGSTEN	92 CRI and 93 TLCI	97 CRI and 96 TLCI
DAYLIGHT	91 CRI and 92 TLCI	96 CRI and 97 TLCI

Light output has increased approximately 20% in both Daylight and Tungsten CCT's with no increase in power consumption with the exception of the F10, which now offers a 180W engine (+9%) and 35% higher light output. Our selection of LED Fresnels are now available from as small as 3" all the way up to 14" (76 to 350mm lens size) and offer power ratings from 30W to 600W.

MAIN FEATURES

- // Continuous light output at any dimming level. Flicker free up to 40,000 fps. We power our LED array via DC current rather than PWM technology used by our competitors.
- // Same characteristics as a traditional Fresnel: single shadows, spot/flood focus range and exceptional barndoor control.
- // CRI and TLCI greater than 96 and no shift in color temperature when dimming.
- // Silent Active Cooling
- // Interchangeable accessories with our convention range of Tungsten and HMI Fresnels.





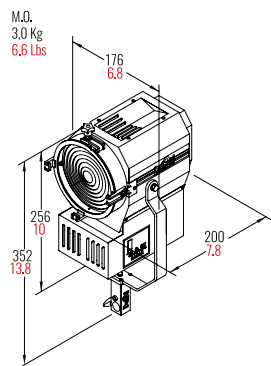
// Super LED F4.7

// Super LED F6

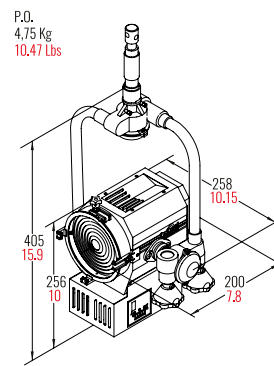
// Super LED F7

// Super LED F10 / F10 HP

// Super LED F14 / F14 HP



// M.O. VERSION
Mod. F4.7T. MO
Mod. F4.7D. MO



// P.O. VERSION
Mod. F4.7T. PO
Mod. F4.7D. PO

Tungsten & Daylight
versions available 60W
Mains & Battery version available

SUPER LED F4.7



< Kit Soft case with three Super LEDs F4.7

Kit case in reinforced molded polyetilen >



ACCESSORIES



Colorframe



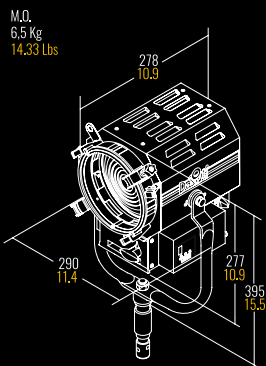
Set of scrims



8 leaf barndoor



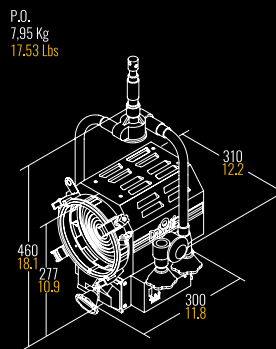
4 leaf barndoor



// M.O. VERSION
Mod. F6T. MO
Mod. F6D. MO



< Super LED F6 M.O. with barndoor



// P.O. VERSION
Mod. F6T. PO
Mod. F6D. PO



Rear view of Super LED F6 >

ACCESSORIES



Colorframe



Set of scrims



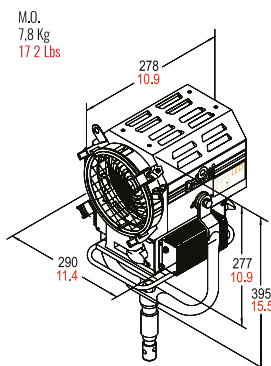
8 leaf barndoor



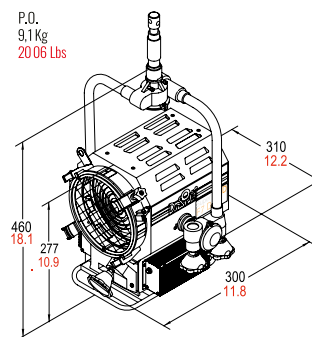
4 leaf barndoor

Tungsten & Daylight
versions available 120W

SUPER LED F6



// M.O. VERSION
Mod. F7T. MO
Mod. F7D. MO



// P.O. VERSION
Mod. F7T. PO
Mod. F7D. PO

Tungsten & Daylight
versions available 160W

SUPER LED F7



< Super LED F7 M.O. with barndoor

Rear view of Super LED F7 >



ACCESSORIES



Colorframe



Set of scrims

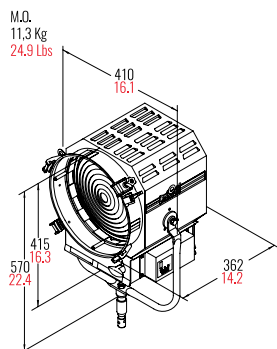


8 leaf barndoor



4 leaf barndoor





// M.O. VERSION
Mod. F10T. MO
Mod. F10D. MO

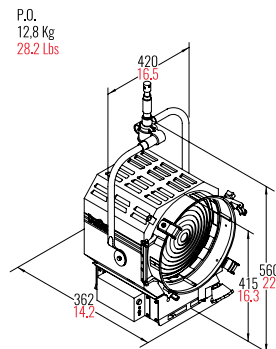
Mod. F10THP. MO
Mod. F10DHP. MO

Tungsten & Daylight versions available
F10 > 180W
F10 HP > 330W

SUPER LED F10 / F10 HP



< Super LED F10 M.O. with barndoor



// P.O. VERSION
Mod. F10T. PO
Mod. F10D. PO

Mod. F10THP. PO
Mod. F10DHP. PO

Super LED F10 Rear View >



ACCESSORIES



Colorframe



Set of scrims



8 leaf barndoor



4 leaf barndoor



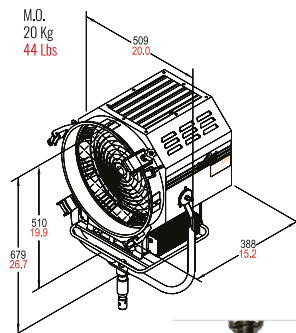
// M.O. VERSION

Mod. F14T. MO

Mod. F14D. MO

Mod. F14THP. MO

Mod. F14DHP. MO



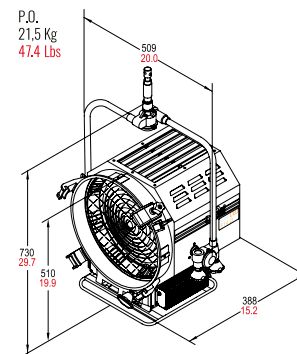
// P.O. VERSION

Mod. F14T. PO

Mod. F14D. PO

Mod. F14THP. PO

Mod. F14DHP. PO



Tungsten & Daylight versions available

F14 > 400W

F14 HP > 580W

SUPER LED F14 / F14 HP



Super LED F14 - Rear View >

< Super LED F14 M.O. with barndoor



ACCESSORIES



Colorframe



Set of scrims



8 leaf barndoor



4 leaf barndoor

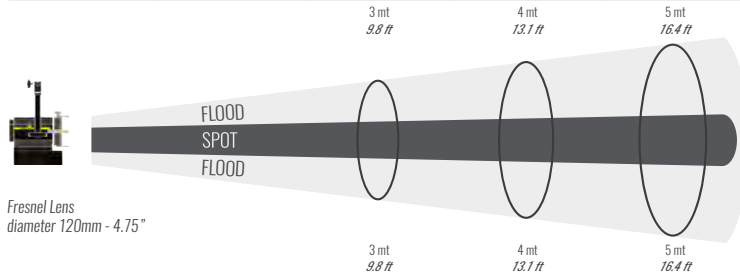


WDSU 6 ON Y



// SUPER LED F4.7

Central Light intensity (Candle Power)		Illumination center values at Distances		
3.200°K TUNGSTEN BALANCED C.C.T. (Correlated Color Temperature) - 60W (CRI 97) - TLCI: 96				
FLOOD	8.502 cd	945 lux 88 FC	531 lux 49 FC	340 lux 32 FC
SPOT	33.953 cd	3.773 lux 350 FC	2.122 lux 197 FC	1.358 lux 126 FC
5.600°K DAYLIGHT BALANCED C.C.T. (Correlated Color Temperature) - 60W (CRI 96) - TLCI: 97				
FLOOD	8.550 cd	950 lux 88 FC	534 lux 50 FC	342 lux 32 FC
SPOT	35.091 cd	3.899 lux 362 FC	2.193 lux 204 FC	1.404 lux 130 FC



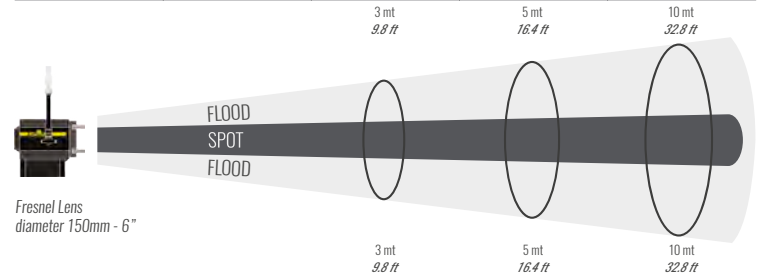
Light beam diameter with Beam Angle (50% of center value)		Beam Sizes		
FLOOD	41°	2.24 mt 7.4 ft	2.99 mt 9.8 ft	3.74 mt 12.3 ft
SPOT	12°	0.63 mt 2.1 ft	0.84 mt 2.8 ft	1.05 mt 3.4 ft
Light beam diameter with Field Angle (10% of center value)				
FLOOD	64°	3.75 mt 12.3 ft	5.00 mt 16.4 ft	6.25 mt 20.5 ft
SPOT	22°	1.17 mt 3.8 ft	1.56 mt 5.1 ft	1.94 mt 6.4 ft

LUX AT ANY DISTANCE = Candle Power: [Distance(in m.)]²

FC. AT ANY DISTANCE = Candle Power: [Distance(in ft)]²

// SUPER LED F6

Central Light intensity (Candle Power)		Illumination center values at Distances		
3,200°K TUNGSTEN BALANCED C.C.T. (Correlated Color Temperature) - 120W (CRI 97) - TLCI: 96				
FLOOD	12,960 cd	1,440 lux 134 FC	518 lux 48 FC	130 lux 12 FC
SPOT	48,447 cd	5,383 lux 500 FC	1,938 lux 180 FC	484 lux 45 FC
5,600°K DAYLIGHT BALANCED C.C.T. (Correlated Color Temperature) - 120W (CRI 96) - TLCI: 97				
FLOOD	14,751 cd	1,639 lux 152 FC	590 lux 55 FC	148 lux 14 FC
SPOT	57,096 cd	6,344 lux 589 FC	2,284 lux 212 FC	571 lux 53 FC



Light beam diameter with Beam Angle (50% of center value)		Beam Sizes		
FLOOD	53°	2.99 mt 9.8 ft	4.99 mt 16.4 ft	9.97 mt 32.7 ft
SPOT	13°	0.68 mt 2.2 ft	1.14 mt 3.7 ft	2.28 mt 7.5 ft
Light beam diameter with Field Angle (10% of center value)				
FLOOD	69°	4.12 mt 13.5 ft	6.87 mt 22.5 ft	13.75 mt 45.1 ft
SPOT	22°	1.17 mt 3.8 ft	1.94 mt 6.4 ft	3.89 mt 12.8 ft

LUX AT ANY DISTANCE = Candle Power: [Distance(in m.)]²

FC. AT ANY DISTANCE = Candle Power: [Distance(in ft)]²

// SUPER LED F7

Central Light intensity (Candle Power)

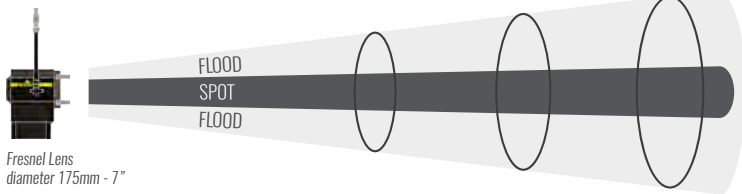
Illumination center values at Distances

3.200°K TUNGSTEN BALANCED C.C.T. (Correlated Color Temperature) - 160W (CRI 97) - TLCI: 96

FLOOD	19,440 cd	2,160 lux <i>201 FC</i>	778 lux <i>72 FC</i>	194 lux <i>18 FC</i>
SPOT	81,960 cd	9,107 lux <i>846 FC</i>	3,278 lux <i>305 FC</i>	820 lux <i>76 FC</i>

5.600°K DAYLIGHT BALANCED C.C.T. (Correlated Color Temperature) 160W (CRI 96) - TLCI: 97

FLOOD	21,600 cd	2,400 lux <i>223 FC</i>	864 lux <i>80 FC</i>	216 lux <i>20 FC</i>
SPOT	86,274 cd	9,586 lux <i>891 FC</i>	3,451 lux <i>321 FC</i>	863 lux <i>80 FC</i>



Light beam diameter with Beam Angle
(50% of center value)

FLOOD	53°	2,99 mt <i>9.8 ft</i>	4,99 mt <i>16.4 ft</i>	9,97 mt <i>32.7 ft</i>
SPOT	13°	0,68 mt <i>2.2 ft</i>	1,14 mt <i>3.7 ft</i>	2,28 mt <i>7.5 ft</i>

Light beam diameter with Field Angle
(10% of center value)

FLOOD	69°	4,12 mt <i>13.5 ft</i>	6,87 mt <i>22.5 ft</i>	13,75 mt <i>45.1 ft</i>
SPOT	22°	1,17 mt <i>3.8 ft</i>	1,94 mt <i>6.4 ft</i>	3,89 mt <i>12.8 ft</i>

LUX AT ANY DISTANCE = Candle Power: [Distance(in m.)]²

FC. AT ANY DISTANCE = Candle Power: [Distance(in ft)]²

// SUPER LED F10

Central Light intensity (Candle Power)

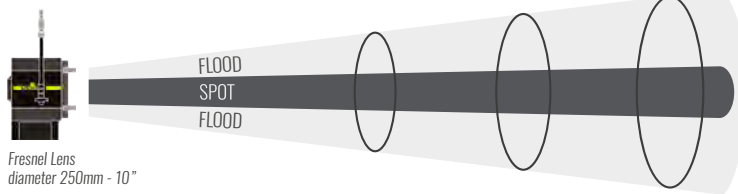
Illumination center values at Distances

3.200°K TUNGSTEN BALANCED C.C.T. (Correlated Color Temperature) - 180W (CRI 97) - TLCI: 96

FLOOD	19,953 cd	2,217 lux <i>206 FC</i>	798 lux <i>74 FC</i>	200 lux <i>19 FC</i>
SPOT	159,660 cd	17,740 lux <i>1,648 FC</i>	6,386 lux <i>593 FC</i>	1,597 lux <i>148 FC</i>

5.600°K DAYLIGHT BALANCED C.C.T. (Correlated Color Temperature) - 180W (CRI 96) - TLCI: 97

FLOOD	21,915 cd	2,435 lux <i>226 FC</i>	877 lux <i>81 FC</i>	219 lux <i>20 FC</i>
SPOT	166,050 cd	18,450 lux <i>1,714 FC</i>	6,642 lux <i>617 FC</i>	1,661 lux <i>154 FC</i>



Light beam diameter with Beam Angle
(50% of center value)

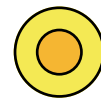
FLOOD	55°	3,12 mt <i>10.2 ft</i>	5,21 mt <i>17.1 ft</i>	10,41 mt <i>34.2 ft</i>
SPOT	12°	0,63 mt <i>2.1 ft</i>	1,05 mt <i>3.4 ft</i>	2,10 mt <i>6.9 ft</i>

Light beam diameter with Field Angle
(10% of center value)

FLOOD	76°	4,69 mt <i>15.4 ft</i>	7,81 mt <i>25.6 ft</i>	15,63 mt <i>51.3 ft</i>
SPOT	22°	1,17 mt <i>3.8 ft</i>	1,94 mt <i>6.4 ft</i>	3,89 mt <i>12.8 ft</i>

LUX AT ANY DISTANCE = Candle Power: [Distance(in m.)]²

FC. AT ANY DISTANCE = Candle Power: [Distance(in ft)]²

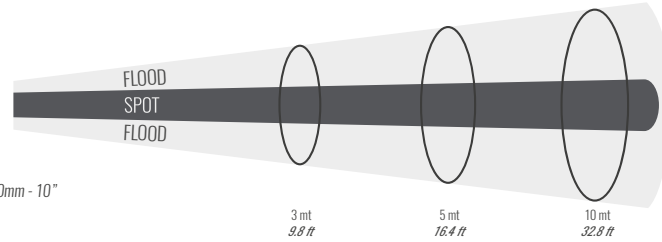
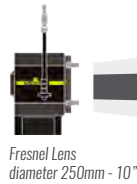


PHOTOMETRIC DATA



// SUPER LED F 10 HP

Central Light intensity (Candle Power)		Illumination center values at Distances		
3,200°K TUNGSTEN BALANCED C.C.T. (Correlated Color Temperature) - 330W (CRI 97) - TLCI: 97				
FLOOD	26,051 cd	2,895 lux 269 FC	1,042 lux 97 FC	261 lux 24 FC
SPOT	132,685 cd	14,743 lux 1,370 FC	5,307 lux 493 FC	1,327 lux 123 FC
5,600°K DAYLIGHT BALANCED C.C.T. (Correlated Color Temperature) - 330W (CRI 95) - TLCI: 95				
FLOOD	27,000 cd	3,000 lux 279 FC	1,080 lux 100 FC	270 lux 25 FC
SPOT	164,250 cd	18,250 lux 1,695 FC	6,570 lux 610 FC	1,643 lux 153 FC



Light beam diameter with Beam Angle
(50% of center value)

		Beam Sizes		
FLOOD	54°	3,06 mt 10.0 ft	5,10 mt 16.7 ft	10,19 mt 33.4 ft
SPOT	12°	0,63 mt 2.1 ft	1,05 mt 3.4 ft	2,10 mt 6.9 ft

Light beam diameter with Field Angle
(10% of center value)

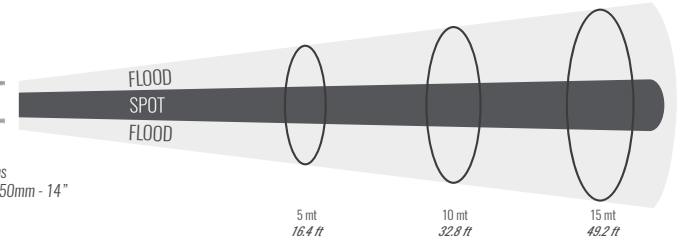
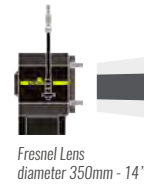
FLOOD	77°	4,77 mt 15.7 ft	7,95 mt 26.1 ft	15,91 mt 52.2 ft
SPOT	22°	1,17 mt 3.8 ft	1,94 mt 6.4 ft	3,89 mt 12.8 ft

LUX AT ANY DISTANCE = Candle Power: [Distance(in m)]²

FC: AT ANY DISTANCE = Candle Power: [Distance(in ft)]²

// SUPER LED F14

Central Light intensity (Candle Power)		Illumination center values at Distances		
3.200°K TUNGSTEN BALANCED C.C.T. (Correlated Color Temperature) - 400W (CRI 97) - TLCI: 96				
FLOOD	37.427 cd	1.497 lux 139 FC	374 lux 35 FC	166 lux 15 FC
SPOT	226.839 cd	9.074 lux 843 FC	2.268 lux 211 FC	1.008 lux 94 FC
5.600°K DAYLIGHT BALANCED C.C.T. (Correlated Color Temperature) - 400W (CRI 95) - TLCI: 95				
FLOOD	43.308 cd	1.732 lux 161 FC	433 lux 40 FC	192 lux 18 FC
SPOT	260.640 cd	10.426 lux 969 FC	2.606 lux 242 FC	1.158 lux 108 FC



Light beam diameter with Beam Angle
(50% of center value)

		Beam Sizes		
FLOOD	54°	5,10 mt 16.7 ft	10,19 mt 33.4 ft	15,29 mt 50.2 ft
SPOT	12°	1,05 mt 3.4 ft	2,10 mt 6.9 ft	3,15 mt 10.3 ft

Light beam diameter with Field Angle
(10% of center value)

FLOOD	77°	7,95 mt 26.1 ft	15,91 mt 52.2 ft	23,86 mt 78.3 ft
SPOT	22°	1,94 mt 6.4 ft	3,89 mt 12.8 ft	5,83 mt 19.1 ft

LUX AT ANY DISTANCE = Candle Power: [Distance(in m)]²

FC: AT ANY DISTANCE = Candle Power: [Distance(in ft)]²

// SUPER LED F14 HP

Central Light intensity (Candle Power)

Illumination center values at Distances

3.200°K TUNGSTEN BALANCED C.C.T. (Correlated Color Temperature) - 580W (CRI 97) - TLCI: 96

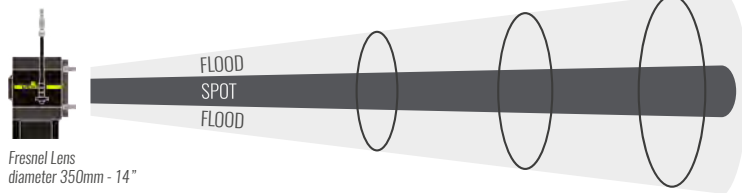
		5 mt 16.4 ft	10 mt 32.8 ft	15 mt 49.2 ft
FLOOD	44.801 cd	1,792 lux 166 FC	448 lux 42 FC	199 lux 18 FC

SPOT	213.131 cd	8,525 lux 792 FC	2,131 lux 198 FC	947 lux 88 FC
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5.600°K DAYLIGHT BALANCED C.C.T. (Correlated Color Temperature) - 580W (CRI 95) - TLCI: 95

		5 mt 16.4 ft	10 mt 32.8 ft	15 mt 49.2 ft
FLOOD	51.840 cd	2,074 lux 193 FC	518 lux 48 FC	230 lux 21 FC

SPOT	205.560 cd	8,222 lux 764 FC	2,056 lux 191 FC	914 lux 85 FC
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Light beam diameter with Beam Angle
(50% of center value)

		5 mt 16.4 ft	10 mt 32.8 ft	15 mt 49.2 ft
FLOOD	51°	4.77 mt 15.6 ft	9.54 mt 31.3 ft	14.31 mt 46.9 ft
SPOT	12°	1.05 mt 3.4 ft	2.10 mt 6.9 ft	3.15 mt 10.3 ft

Light beam diameter with Field Angle
(10% of center value)

		5 mt 16.4 ft	10 mt 32.8 ft	15 mt 49.2 ft
FLOOD	74°	7.54 mt 24.7 ft	15.07 mt 49.4 ft	22.61 mt 74.2 ft
SPOT	22°	1.94 mt 6.4 ft	3.89 mt 12.8 ft	5.83 mt 19.1 ft

LUX AT ANY DISTANCE = Candle Power: [Distance(in m.)]²

FC AT ANY DISTANCE = Candle Power: [Distance(in ft)]²



PHOTOMETRIC DATA

LED FRESNEL RAIN PROTECTED

NEW GENERATION WITH IP23 RAIN PROTECTION



De Sisti LED Fresnels are high powered and location ready with IP23 Rain Protection. Four fixtures available: F7, F10HP, F14 & F14HP

HIGH POWER & HIGH LUMEN OUTPUT: these new fixtures are ideal to replace HMI's in outdoor locations as the higher light output is able to compete with natural daylight without the need of an external ballast.

IP23 : these lighting fixtures feature Rain Protected construction in order to safely guarantee operation in any location environment, while keeping the outstanding lighting performances and quality that characterize De Sisti LED Fresnels.

The above Key Features, combined with all the other benefits typical of De Sisti LED FRESNELS, give complete flexibility to utilize the products in any location environment, with minimal power requirement and superb lighting performances. When compared to HMI (Daylight lamps) The Fresnels offer smooth dimming to 0% through DMX or locally, without any external ballast and with CRIs in excess of 95 for both the Tungsten Balanced CCT and the Daylight Balanced CCT Versions.



// HIGH LUMINOUS OUTPUT:

- The Tungsten Balanced CCT version of the F7 out performs the lighting levels of a standard 1.2kW Tungsten Fresnel, the F10HP greatly out performs a 2kW and the F14 HP provides performance comparable to a 4kW Fresnel.
- The Daylight Balanced CCT version of the F7 outperforms the lighting levels of a 575W HMI, the F10HP has an output greater than a 700W HMI and the F14 HP is greater than a 1.5kW HMI.

// Fixtures are rated IP23 Rain protected. They can be used in the rain and are successfully tested at extreme ambient temperatures of (-20°C / -4°F and + 45°C / 113°F).

// High efficiency self stabilizing silent active cooling: Automatic, thermal stabilization of the LED operating temperature is managed by an internal thermal sensor and CPU, variable speed fans and heat sink to maintain the LED Array's constant temperature at a maximum of 65°C / 149°F. The hydro dynamic bearing fan operates silently with a very low RPM.

// Available with either Tungsten (3.200°K) or Daylight (5.600°K) Balanced CCT (Correlated Color Temperature), in both cases with a CRI higher than 95 and in Manual or Pole operated versions.

// Fixtures are equipped with a bottom skid and shock absorbing supports and utilize standard accessories from the De Sisti range of equivalent Fresnel lens size, such as barndoor, color frame, cones, scrims.

// All De Sisti Fresnel Series utilize a new Universal Voltage and "Power Factor Corrected" Power Supply (PF=0.96).



// Super LED F 7

// Super LED F 14 HP



// Super LED F 10 HP

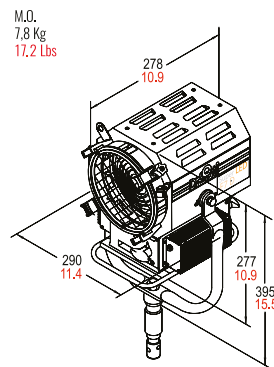
SUPER LED F7

Tungsten & Daylight
versions available 160W



Super LED F7 M.O. with barndoor

// M.O. VERSION
Mod. F7Trp. MO
Mod. F7Drp. MO

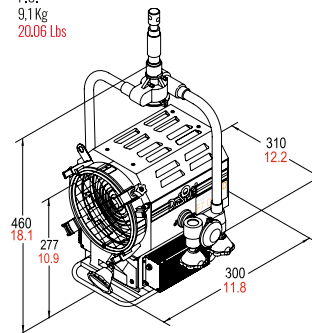


M.O.
7,8 Kg
17,2 Lbs



// P.O. VERSION
Mod. F7Trp. PO
Mod. F7Drp. PO

P.O.
9,1 Kg
20,06 Lbs



Rear view of Super LED F7 >



ACCESSORIES



Colorframe



Set of scrims



8 leaf barndoor



4 leaf barndoor

SUPER LED F10 HP

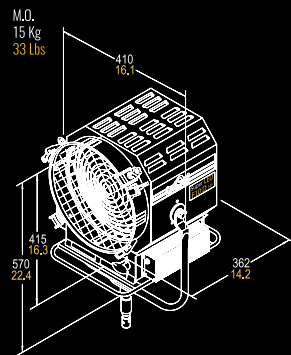
Tungsten & Daylight
versions available 330W



// M.O. VERSION
Mod. F10THPrp. MO
Mod. F10DHPPrp. MO

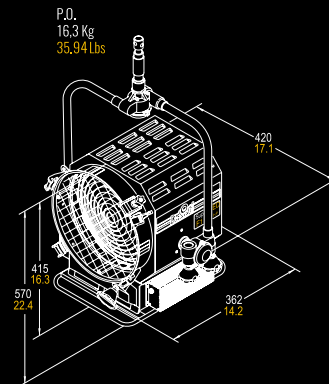


▲ Super LED F10HP M.O. with barndoor



Rear view of Super LED F10HP >

// P.O. VERSION
Mod. F10THPrp. PO
Mod. F10DHPPrp. PO



ACCESSORIES



Colorframe



Set of scrims



8 leaf barndoor



4 leaf barndoor

SUPER LED F14 HP

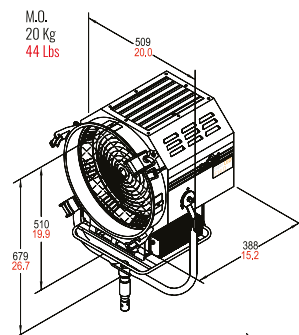
Tungsten & Daylight
versions available 580W



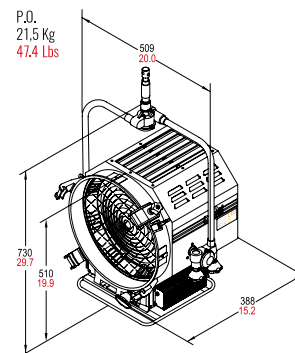
^ Super LED F14 HP M.O. with barndoor



Super LED F14 HP - Rear View >



// P.O. VERSION
Mod. F14THPrp. PO
Mod. F14DHPrp. PO



ACCESSORIES



Colorframe



Set of scrims



8 leaf barndoor



4 leaf barndoor



Desanti®
Super LED
F14D

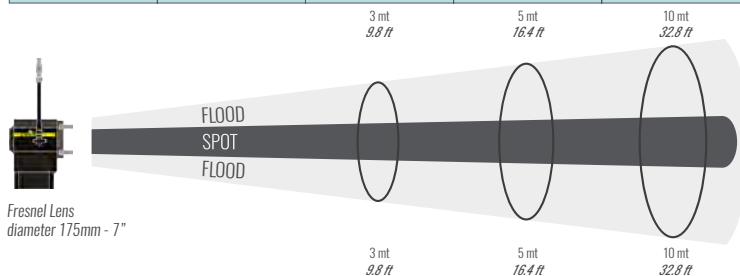
// SUPER LED F7 RP

Central Light intensity (Candle Power)

Illumination center values at Distances

3.200°K TUNGSTEN BALANCED C.C.T. (Correlated Color Temperature) - 160W (CRI 97) - TLCI: 96

FLOOD	18.274 cd	2.030 lux <i>189 FC</i>	731 lux <i>68 FC</i>	183 lux <i>17 FC</i>
SPOT	77.043 cd	8.560 lux <i>795 FC</i>	3.082 lux <i>286 FC</i>	770 lux <i>72 FC</i>
5.600°K DAYLIGHT BALANCED C.C.T. (Correlated Color Temperature) 160W (CRI 96) - TLCI: 97				
FLOOD	20.304 cd	2.256 lux <i>210 FC</i>	812 lux <i>75 FC</i>	203 lux <i>19 FC</i>
SPOT	81.098 cd	9.011 lux <i>837 FC</i>	3.244 lux <i>301 FC</i>	811 lux <i>75 FC</i>



Fresnel Lens
diameter 175mm - 7"

Light beam diameter with Beam Angle
(50% of center value)

Beam Sizes

FLOOD	53°	2.99 mt <i>9.8 ft</i>	4.99 mt <i>16.4 ft</i>	9.97 mt <i>32.7 ft</i>
SPOT	13°	0.68 mt <i>2.2 ft</i>	1.14 mt <i>3.7 ft</i>	2.28 mt <i>7.5 ft</i>

Light beam diameter with Field Angle
(10% of center value)

FLOOD	69°	4.12 mt 13.5 ft	6.87 mt 22.5 ft	13.75 mt 45.1 ft
SPOT	22°	1.17 mt 3.8 ft	1.94 mt 6.4 ft	3.89 mt 12.8 ft

$$\text{LUX AT ANY DISTANCE} = \text{Candle Power: } [\text{Distance(in m.)}]^2$$
$$\text{FC, AT ANY DISTANCE} = \text{Candle Power: } [\text{Distance(in ft)}]^2$$

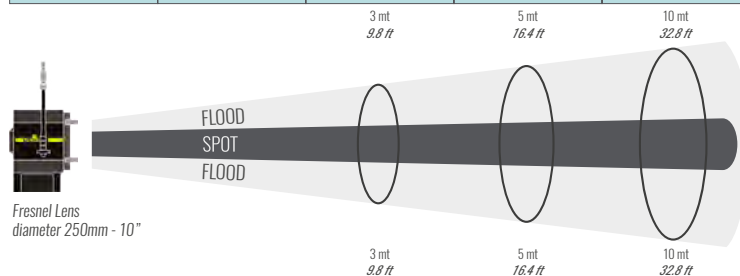
// SUPER LED F 10 HP RP

Central Light intensity (Candle Power)

Illumination center values at Distances

3.200°K TUNGSTEN BALANCED C.C.T. (Correlated Color Temperature) - 330W (CRI 97) - TLCI: 97

FLOOD	24.488 cd	2.721 lux <i>253 FC</i>	980 lux <i>91 FC</i>	245 lux <i>23 FC</i>
SPOT	124.724 cd	13.858 lux <i>1,287 FC</i>	4.989 lux <i>463 FC</i>	1.247 lux <i>116 FC</i>
5.600°K DAYLIGHT BALANCED C.C.T. (Correlated Color Temperature) - 330W (CRI 95) - TLCI: 95				
FLOOD	25.380 cd	2.820 lux <i>262 FC</i>	1.015 lux <i>94 FC</i>	254 lux <i>24 FC</i>
SPOT	154.395 cd	17.155 lux <i>1,594 FC</i>	6.176 lux <i>574 FC</i>	1.544 lux <i>143 FC</i>



Fresnel Lens
diameter 250mm - 10"

Light beam diameter with Beam Angle
(50% of center value)

Beam Sizes

FLOOD	54°	3.06 mt 10.0 ft	5.10 mt 16.7 ft	10.19 mt 33.4 ft
SPOT	12°	0.63 mt 2.1 ft	1.05 mt 3.4 ft	2.10 mt 6.9 ft

Light beam diameter with Field Angle
(10% of center value)

FLOOD	77°	4.77 mt 15.7 ft	7.95 mt 26.1 ft	15.91 mt 52.2 ft
SPOT	22°	1.17 mt 3.8 ft	1.94 mt 6.4 ft	3.89 mt 12.8 ft

$$\text{LUX AT ANY DISTANCE} = \text{Candle Power: (Distance in m.)}^2$$
$$\text{FC, AT ANY DISTANCE} = \text{Candle Power: } [\text{Distance(in ft)}]^2$$

// SUPER LED F14 HPRP

Central Light intensity (Candle Power)

Illumination center values at Distances

3.200°K TUNGSTEN BALANCED C.C.T. (Correlated Color Temperature) - 580W (CRI 97) - TLCI: 96

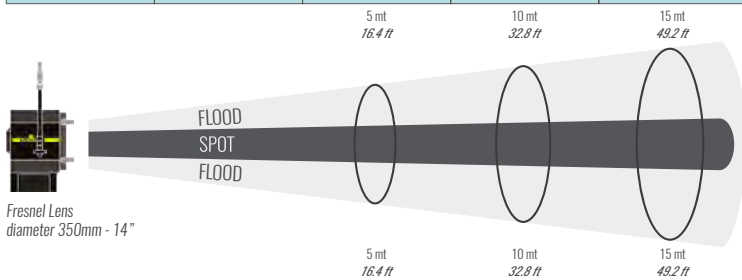
FLOOD	42.113 cd	1.685 lux <i>156 FC</i>	421 lux <i>39 FC</i>	187 lux <i>17 FC</i>
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SPOT	200.344 cd	8.014 lux <i>745 FC</i>	2.003 lux <i>186 FC</i>	890 lux <i>83 FC</i>
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5.600°K DAYLIGHT BALANCED C.C.T. (Correlated Color Temperature) - 580W (CRI 95) - TLCI: 95

FLOOD	48.730 cd	1.949 lux <i>181 FC</i>	487 lux <i>45 FC</i>	217 lux <i>20 FC</i>
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SPOT	193.227 cd	7.729 lux <i>718 FC</i>	1.932 lux <i>180 FC</i>	859 lux <i>80 FC</i>
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Light beam diameter with Beam Angle
(50% of center value)

Beam Sizes

FLOOD	51°	4.77 mt <i>15.6 ft</i>	9.54 mt <i>31.3 ft</i>	14.31 mt <i>46.9 ft</i>
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SPOT	12°	1.05 mt <i>3.4 ft</i>	2.10 mt <i>6.9 ft</i>	3.15 mt <i>10.3 ft</i>
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Light beam diameter with Field Angle
(10% of center value)

FLOOD	74°	7.54 mt <i>24.7 ft</i>	15.07 mt <i>49.4 ft</i>	22.61 mt <i>74.2 ft</i>
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SPOT	22°	1.94 mt <i>6.4 ft</i>	3.89 mt <i>12.8 ft</i>	5.83 mt <i>19.1 ft</i>
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LUX AT ANY DISTANCE = Candle Power: [Distance(in m.)]²

FC: AT ANY DISTANCE = Candle Power: [Distance(in ft)]²



PHOTOMETRIC DATA

LED FRESNEL VARI-WHITE

NEW GENERATION WITH ADJUSTABLE CORRELATED COLOR TEMPERATURE



The Super LED Vari-White range maintains the high efficiency De Sisti Internationally Patented optical system. The innovative variable white Fresnel provides the ability to modulate the color temperature from 2800°K to 6600°K. The light output has an enhanced CRI (Color Rendering Index) greater than 94 and with continuous output throughout the color temperature range.

THE LIGHTING FIXTURE IS DMX CONTROLLED FOR:

- 0 to 100% with a super smooth Dimming
- STEP MODE for CCT Control: Increments of 400°K every 10% of DMX variation
- CONTINUOUS MODE for CCT control.

The fixtures combine the classical SPOT/FLOOD beam control to a conventional tungsten lamp Fresnel, with excellent barndoor cutting.

The Fresnel range utilizes standard accessories from the De Sisti range of equivalent tungsten Fresnel, such as barndoor, color frame, cones, and scrims.

MAIN FEATURES

- // CRI Greater than 94 at any CCT throughout the range
- // Universal A/C input voltage from 90-250V
- // High quality, shock resistant borosilicate glass Fresnel lens on spring supports.
- // Smooth 100-0% dimming via DMX 512 with no shift in color temperature
- // High efficiency self stabilizing silent active cooling: automatic, thermal stabilization of the LED operating temperature is managed by an internal thermal sensor and CPU, variable speed fan and heat sink to maintain the LED array's constant temperature at a maximum of 65°C. The hydro dynamic bearing fan operates silently with a very low RPM.
- // Helix Screw driven focus mechanism which guides the LED engine via teflon bushings along 2 rods. This ensures smooth operation during focusing, in any tilting position of the fixture.
- // Available with either positive lock manual yokes for comfort and ease of handling, or pole operated yokes which can be used via the lighting pole for panning and tilting the lights.
- // Modular design construction for maintenance and future upgrades.



// Super LED F4.7 VARI-WHITE

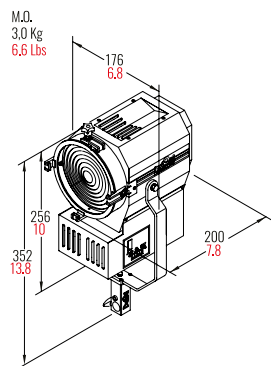


// Super LED F6 VARI-WHITE

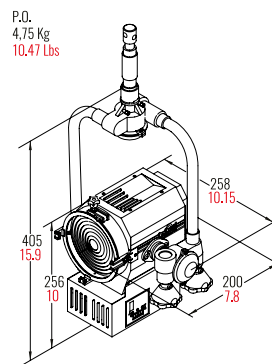


// Super LED F10 VARI-WHITE





// M.O. VERSION
Mod. F4.7VW. MO



// P.O. VERSION
Mod. F4.7VW. PO



< Kit Soft case with three Super LEDs F4.7 VW

Kit case in reinforced molded polyetilen >



60W from 2800°K to 6600°K

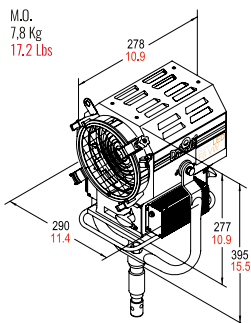
SUPER LED F4.7 VARI-WHITE

ACCESSORIES





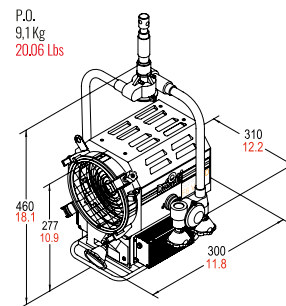
RSI - CH // LED Fresnel VW Installation



// M.O. VERSION
Mod. F6VW.MO



120W from 2800°K to 6600°K



// P.O. VERSION
Mod. F6VW.PO

< Super LED F6 VARI-WHITE M.O. with barndoor

New Graphic Display of Super LED F6 VARI-WHITE >

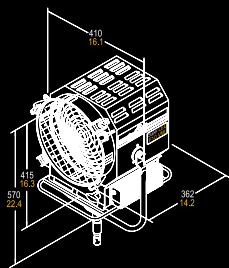


ACCESSORIES





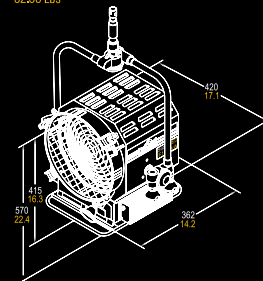
M.O.
13.5 Kg
29,76 Lbs



// M.O. VERSION
Mod. F10VW.MO



P.O.
14.8 Kg
32,63 Lbs



// P.O. VERSION
Mod. F10VW.PO

200W from 2800°K to 6600°K



< Super LED F10 VARI-WHITE M.O. with barndoor

New Graphic Display of Super LED F10 VARI-WHITE >



ACCESSORIES



Colorframe



Set of scrims



8 leaf barndoor



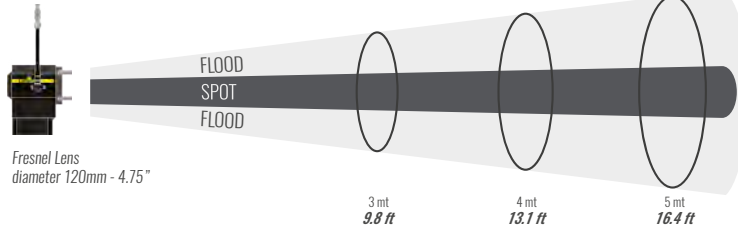
4 leaf barndoor

SUPER LED F10 VARI-WHITE



// SUPER LED F4.7VW

Central Light intensity (Candle Power)		Illumination center values at Distances		
FULL FLOOD - C.C.T tunable from 2.800°K to 6.600°K - 60W (CRI >95) - TLCI: 96				
FLOOD @ 2.800°K CCT	5.058 cd	562 lux <i>52 FC</i>	316 lux <i>29 FC</i>	202 lux <i>19 FC</i>
FLOOD @ 6.600°K CCT	5.697 cd	633 lux <i>59 FC</i>	356 lux <i>33 FC</i>	228 lux <i>21 FC</i>
FULL SPOT - C.C.T tunable from 2.800°K to 6.600°K - 60W (CRI >95) - TLCI: 96				
SPOT @ 2.800°K CCT	29.556 cd	3.284 lux <i>496 FC</i>	3.005 lux <i>279 FC</i>	1.923 lux <i>179 FC</i>
SPOT @ 6.600°K CCT	36.702 cd	4.078 lux <i>379 FC</i>	2.294 lux <i>213 FC</i>	1.468 lux <i>136 FC</i>



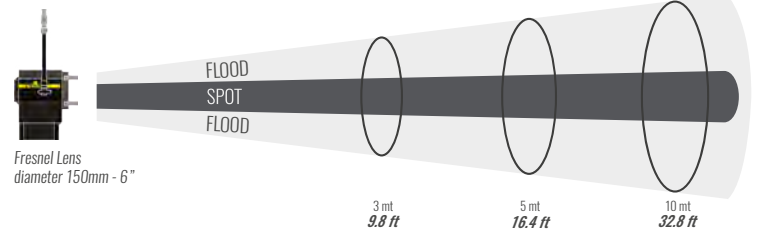
Light beam diameter with Beam Angle (50% of center value)		Beam Sizes		
FLOOD	57°	3.26 mt 10.7 ft	4.34 mt 14.3 ft	5.43 mt 17.8 ft
SPOT	12°	0.63 mt 2.1 ft	0.84 mt 2.8 ft	1.05 mt 3.4 ft

Light beam diameter with Field Angle (10% of center value)				
FLOOD	69°	4.12 mt 13.5 ft	5.50 mt 18.0 ft	6.87 mt 22.5 ft
SPOT	20°	1.06 mt 3.5 ft	1.41 mt 4.6 ft	1.76 mt 5.8 ft

LUX AT ANY DISTANCE = Candle Power: [Distance(in m.)]²FC. AT ANY DISTANCE = Candle Power: [Distance(in ft)]²

// SUPER LED F6 VW

Central Light intensity (Candle Power)		Illumination center values at Distances		
FULL FLOOD - C.C.T. tunable from 2.800°K to 6.600°K - 120W (CRI >95) - TLCI: 96				
FLOOD @ 2.800°K CCT	8.460 cd	940 lux 87 FC	338 lux 31 FC	85 lux 8 FC
FLOOD @ 6.600°K CCT	11.205 cd	1,245 lux 116 FC	448 lux 42 FC	112 lux 10 FC
FULL SPOT - C.C.T. tunable from 2.800°K to 6.600°K - 120W (CRI >95) - TLCI: 96				
SPOT @ 2.800°K CCT	52.830 cd	5,870 lux 545 FC	2,113 lux 196 FC	528 lux 49 FC
SPOT @ 6.600°K CCT	68.400 cd	7,600 lux 706 FC	2,736 lux 254 FC	684 lux 64 FC



Light beam diameter with Beam Angle (50% of center value)		Beam Sizes		
FLOOD	60°	3.46 mt 11.4 ft	5.77 mt 18.9 ft	11.55 mt 37.9 ft
SPOT	12°	0.63 mt 2.1 ft	1.05 mt 3.4 ft	2.10 mt 6.9 ft

Light beam diameter with Field Angle (10% of center value)				
FLOOD	76°	4.69 mt 15.4 ft	7.81 mt 25.6 ft	15.63 mt 51.3 ft
SPOT	20°	1.06 mt 3.5 ft	1.76 mt 5.8 ft	3.53 mt 11.6 ft

LUX AT ANY DISTANCE = Candle Power: [Distance(in m.)]²FC. AT ANY DISTANCE = Candle Power: [Distance(in ft)]²

// SUPER LED FIO VW

Central Light intensity (Candle Power)

Illumination center values at Distances

FULL FLOOD - C.C.T. tunable from 2.800°K to 6.600°K - 200W (CRI >95) - TLCI: 96

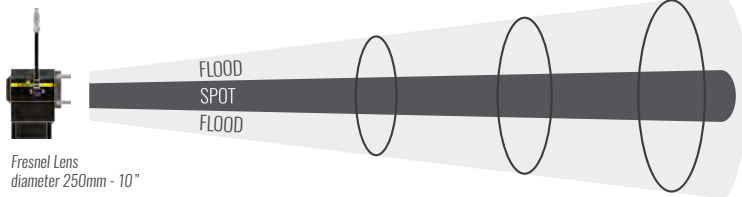
FLOOD @ 2.800°K CCT	12.807 cd	1.423 lux <i>132 FC</i>	512 lux <i>48 FC</i>	128 lux <i>12 FC</i>
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FLOOD @ 6.600°K CCT	17.100 cd	1.900 lux <i>177 FC</i>	684 lux <i>64 FC</i>	171 lux <i>16 FC</i>
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FULL SPOT - C.C.T. tunable from 2.800°K to 6.600°K - 200W (CRI >95) - TLCI: 96

SPOT @ 2.800°K CCT	137.700 cd	15.300 lux <i>1,421 FC</i>	5.508 lux <i>512 FC</i>	1.377 lux <i>128 FC</i>
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SPOT @ 6.600°K CCT	178.200 cd	19.800 lux <i>1,839 FC</i>	7.128 lux <i>662 FC</i>	1.782 lux <i>166 FC</i>
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Fresnel Lens
diameter 250mm - 10"

Light beam diameter with Beam Angle
(50% of center value)

		3 mt <i>9.8 ft</i>	5 mt <i>16.4 ft</i>	10 mt <i>32.8 ft</i>
FLOOD	53°	2,99 mt <i>9.8 ft</i>	4,99 mt <i>16.4 ft</i>	9,97 mt <i>32.7 ft</i>
SPOT	11°	0,58 mt <i>1.9 ft</i>	0,96 mt <i>3.2 ft</i>	1,93 mt <i>6.3 ft</i>

Light beam diameter with Field Angle
(10% of center value)

		3 mt <i>9.8 ft</i>	5 mt <i>16.4 ft</i>	10 mt <i>32.8 ft</i>
FLOOD	77°	4,77 mt <i>15.7 ft</i>	7,95 mt <i>26.1 ft</i>	15,91 mt <i>52.2 ft</i>
SPOT	19°	1,00 mt <i>3.3 ft</i>	1,67 mt <i>5.5 ft</i>	3,35 mt <i>11.0 ft</i>

LUX AT ANY DISTANCE = Candle Power: [Distance(in m.)]²

FC: AT ANY DISTANCE = Candle Power: [Distance(in ft)]²



PHOTOMETRIC DATA



BSkyB Studios - UK // LED Fresnel Installation

De Sisti LED Fresnels // Lighting quality first

When choosing a FRESNEL you expect:

- Wide focus range from spot to flood
- Single shadows and their consistency within the Flood Field
- Even and wide Flood with excellent barndoor cuts

This is exactly what you get with the line of DE SISTI SUPER LED FRESNELS. Our internationally patented optical system optimizes the LED source. The reflector design in combination with a Fresnel lens gives us the highest optical efficiency in the industry. De Sisti is able to achieve similar outputs to our competitors with half the power requirements. Our Super LED Fresnels produce the exact light you've come to expect from a traditional Fresnel.

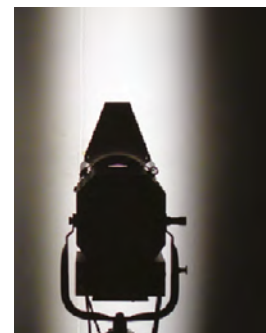
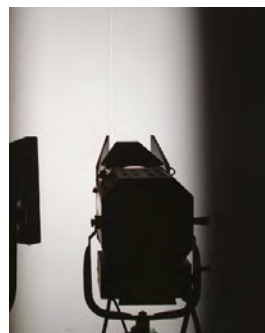
DE SISTI LED FRESNELS are 4K Flicker Free operation tested with Phantom Camera model VEO 640S at 40.000 fps and 2 μ s exposure time.

LED Lighting, Green Energy

These LED based products introduce Energy Savings greater than 92%. LED light engines last longer, are more durable than incandescent lighting and offer comparable or better light quality than other types of lighting. Dimmable LEDs also allow accurate color temperature and longevity over decades.



The light beam shown in full flood (60deg) has a even and flat field without any hot spots or drop off.



Barndoor cuts using DE SISTI LED FRESNELS matches what you see with Tungsten heads.





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