



LED

FRESNELS & SOFTLIGHTS

DeSisti®
catalog2016



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LED FRESNEL SUPER SERIES

NEW GENERATION WITH HIGHER OUTPUT AND ENHANCED CRI



The De Sisti **LED Fresnel SUPER SERIES** is a new range of Fresnel spotlights that utilizes an increased wattage to the high power Chip on Board (COB) LED Array in combination with increased design efficiency to the De Sisti internationally patented optical system. The Super Series has light output increases up to 50% in Tungsten CCT and 72% in Daylight CCT while maintaining the greater than 90 CRI, chromaticity performances and equivalent focus range of the Standard Series.

MAIN FEATURES

- // Continuous Light Output at any dimming level (no flicker at any camera speed): the LED ARRAY are supplied with DC current at any dimming level (no PWM)
- // Same Photometric and Geometrical Light Beam performances as on Standard Fresnel (single shadows, appropriate focusing and barndoor control).
- // CRI and TLCI Higher than 90 and Stable Colour Point Emission (no CCT SHIFT)
- // Automatic Thermal Stabilisation of the LED Temperature, Complete silent operation
- // Interchangeable accessories with the conventional De Sisti Range of Tungsten and HMI's



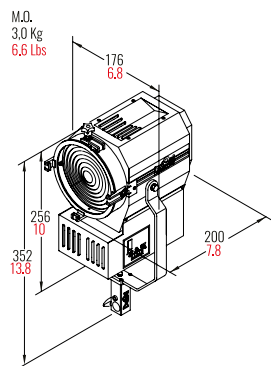


// Super LED F 4.7

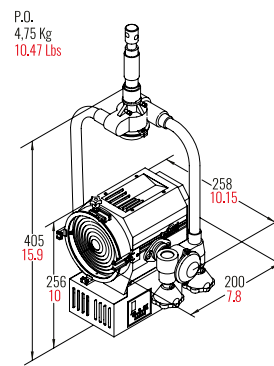
// Super LED F 6

// Super LED PICCOLO F 6

// Super LED F 10



// 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

SUPER LED F4.7



< Kit Soft case with three Super LEDs F 4.7

Kit case in reinforced molded polyetilen >



ACCESSORIES



Colorframe



Set of scrims



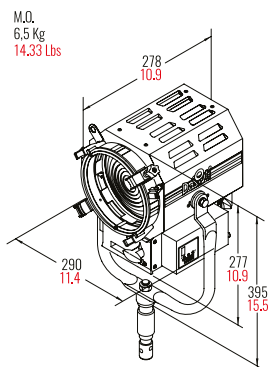
8 leaf barndoor



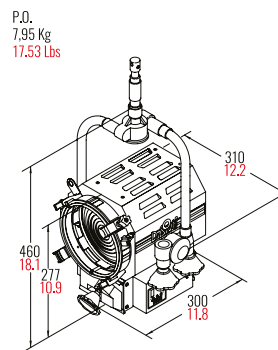
4 leaf barndoor



BSkyB Studios - UK // LED Fresnel Installation



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



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

Tungsten & Daylight
versions available 120W

SUPER LED F6



< Super LED F6 M.O. with barndoor

Rear view of Super LED F6 >



ACCESSORIES



Colorframe



Set of scrim



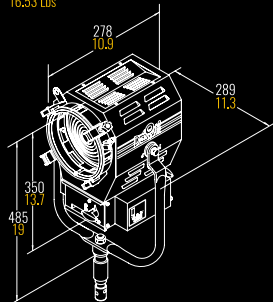
8 leaf barndoor



4 leaf barndoor



M.O.
7,5 Kg
16,53 Lbs



// M.O. VERSION
Mod. F6PicT. MO
Mod. F6PicD. MO

Tungsten & Daylight
versions available 150W

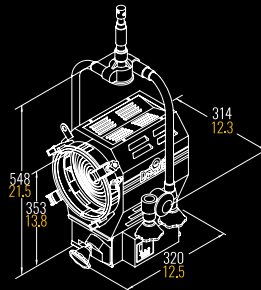
SUPER LED PICCOLO F6



< Super LED Piccolo F6 M.O. with barndoor



P.O.
7,9 Kg
17,42 Lbs



// P.O. VERSION
Mod. F6PicT. PO
Mod. F6PicD. PO

Super LED Piccolo F6 - Rear View >



ACCESSORIES



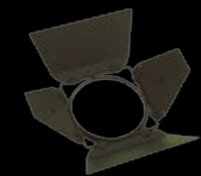
Colorframe



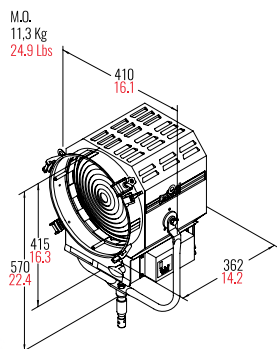
Set of scrims



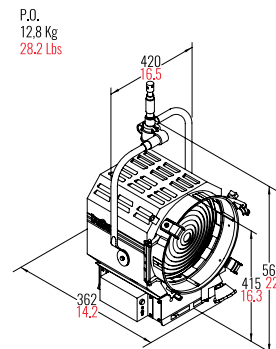
8 leaf barndoor



4 leaf barndoor



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



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

Tungsten & Daylight
versions available 165W

SUPER LED F 10



< Super LED F10 M.O. with barndoor

Super LED F10 Rear View >



ACCESSORIES



Colorframe



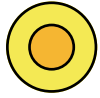
Set of scrims



8 leaf barndoor

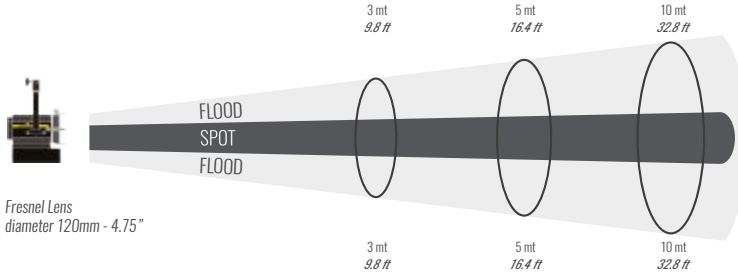


4 leaf barndoor



// 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 92) - TLCI: 91				
FLOOD	7965 cd	885 lux 82 FC	319 lux 30 FC	80 lux 7 FC
SPOT	32.220 cd	3.580 lux 333 FC	1.289 lux 120 FC	322 lux 30 FC
5.600°K DAYLIGHT BALANCED C.C.T. (Correlated Color Temperature) - 60W (CRI 95) - TLCI: 93				
FLOOD	8.010 cd	890 lux 83 FC	320 lux 30 FC	80 lux 7 FC
SPOT	33.300 cd	3.700 lux 344 FC	1.332 lux 124 FC	333 lux 31 FC



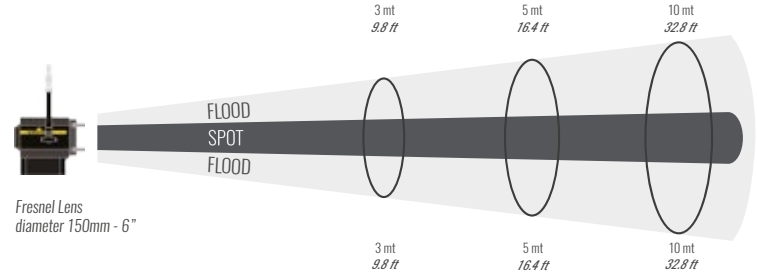
Light beam diameter with Beam Angle (50% of center value)		Beam Sizes		
FLOOD	41.0°	2.24 mt 7.4 ft	3.74 mt 12.3 ft	7.48 mt 24.5 ft
SPOT	12.0°	0.63 mt 2.1 ft	1.05 mt 3.4 ft	2.10 mt 6.9 ft
Light beam diameter with Field Angle (10% of center value)				
FLOOD	64.0°	3.75 mt 12.3 ft	6.25 mt 20.5 ft	12.50 mt 41.0 ft
SPOT	22.0°	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 F6

Central Light intensity (Candle Power)		Illumination center values at Distances		
3.200°K TUNGSTEN BALANCED C.C.T. (Correlated Color Temperature) - 120W (CRI 92) - TLCI: 90				
FLOOD	10.944 cd	1.216 lux 113 FC	438 lux 41 FC	109 lux 10 FC
SPOT	40.194 cd	4.466 lux 415 FC	1.608 lux 149 FC	402 lux 37 FC
5.600°K DAYLIGHT BALANCED C.C.T. (Correlated Color Temperature) - 120W (CRI 92) - TLCI: 90				
FLOOD	13.824 cd	1.536 lux 143 FC	553 lux 51 FC	138 lux 13 FC
SPOT	49.536 cd	5.504 lux 511 FC	1.981 lux 184 FC	495 lux 46 FC



Light beam diameter with Beam Angle (50% of center value)		Beam Sizes		
FLOOD	53.0°	2.99 mt 9.8 ft	4.99 mt 16.4 ft	9.97 mt 32.7 ft
SPOT	13.0°	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	69.0°	4.12 mt 13.5 ft	6.87 mt 22.5 ft	13.75 mt 45.1 ft
SPOT	22.0°	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 PICCOLO F6

Central Light intensity (Candle Power)

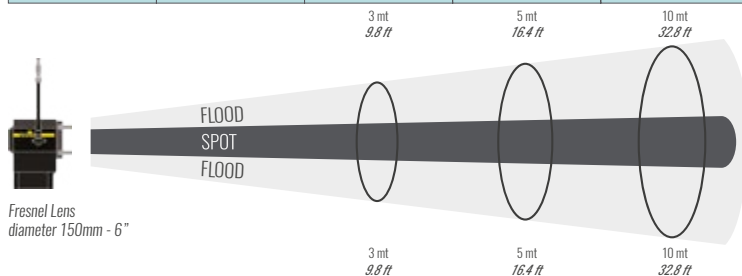
Illumination center values at Distances

3.200°K TUNGSTEN BALANCED C.C.T. (Correlated Color Temperature) - 150W (CRI 92) - TLCI: 90

FLOOD	13.788 cd	1.532 lux <i>142 FC</i>	552 lux <i>51 FC</i>	138 lux <i>13 FC</i>
SPOT	47.052 cd	5.228 lux <i>486 FC</i>	1.882 lux <i>175 FC</i>	471 lux <i>44 FC</i>

5.600°K DAYLIGHT BALANCED C.C.T. (Correlated Color Temperature) V90 (CRI Greater than 90) - TLCI: 90

FLOOD	16.317 cd	1.813 lux <i>168 FC</i>	653 lux <i>61 FC</i>	163 lux <i>15 FC</i>
SPOT	55.197 cd	6.133 lux <i>570 FC</i>	2.208 lux <i>205 FC</i>	552 lux <i>51 FC</i>



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

FLOOD	53.0°	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°	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	69.0°	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	22.0°	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)

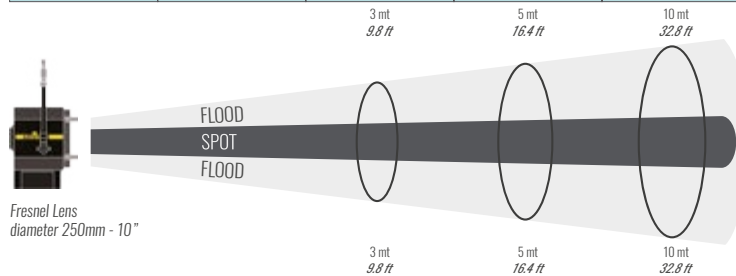
Illumination center values at Distances

3.200°K TUNGSTEN BALANCED C.C.T. (Correlated Color Temperature) - 165W (CRI 92) - TLCI: 90

FLOOD	13.419 cd	1.491 lux <i>139 FC</i>	537 lux <i>50 FC</i>	134 lux <i>12 FC</i>
SPOT	105.930 cd	11.770 lux <i>1,093 FC</i>	4.237 lux <i>394 FC</i>	1.059 lux <i>98 FC</i>

5.600°K DAYLIGHT BALANCED C.C.T. (Correlated Color Temperature) - 165W (CRI 92) - TLCI: 90

FLOOD	17.064 cd	1.896 lux <i>176 FC</i>	683 lux <i>63 FC</i>	171 lux <i>16 FC</i>
SPOT	124.785 cd	13.865 lux <i>1,288 FC</i>	4.991 lux <i>464 FC</i>	1.248 lux <i>116 FC</i>



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

FLOOD	55.0°	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°	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	76.0°	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	22.0°	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

LED FRESNEL HIGH POWER

NEW GENERATION WITH IP23 RAIN PROTECTION



De Sisti LED Fresnels go High Power and Location Ready with IP23 Rain Protection.

The De Sisti Super LED F7, F10 HP and Super LED F14 expand the existing range of Super Series Fresnels with:

HIGH POWER & HIGH LUMEN OUTPUT: these new fixtures are ideal for Outdoor Lighting as their light output is considerably higher to compete with natural daylight. With increased wattages and larger lens sizes the new Fresnels are perfect replacements for HMI (daylight lamps).

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.



MAIN FEATURES

// HIGH LUMINOUS OUTPUT:

- The Tungsten Balanced CCT version of the F7 outperforms the lighting levels of a standard 1.2kW Tungsten Fresnel, the F10HP greatly outperforms a 2kW and the F14 provides performance comparable to a 3kW 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 is slightly greater than a 1.2kW HMI.

// Fixtures are rated IP23 (Rain Protection) and are ideal for Location Work, they can be utilized under the RAIN and they are successfully tested at extreme ambient temperatures (-20°C / -4°F and + 45°C / 113°F).

// High efficiency Self Stabilizing 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.

// They are 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 having shock absorbing supports and both utilize Standard accessories from the De Sisti range of equivalent Fresnel Lens size, such as Barn door, 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



// Super LED F 10HP

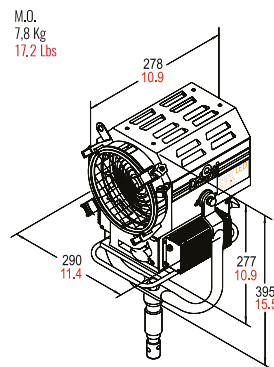
SUPER LED F7

Tungsten & Daylight
versions available 160W



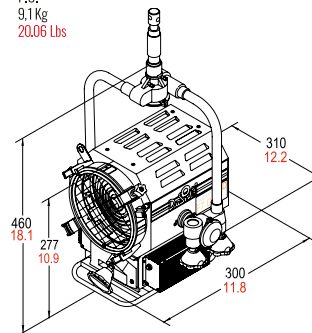
Super LED F7 M.O. with barndoor

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



// P.O. VERSION
Mod. F7T. PO
Mod. F7D. 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 F 10 HP

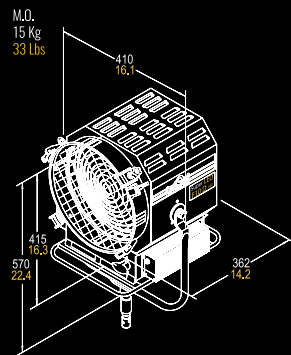
Tungsten & Daylight
versions available 230W



// M.O. VERSION
Mod. F10THP. MO
Mod. F10DHP. MO

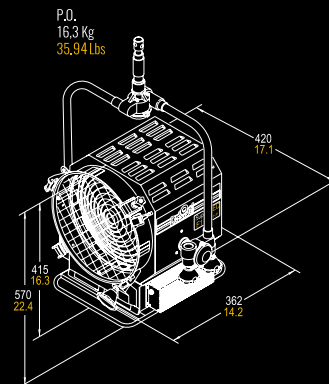


^ Super LED F10HP M.O. with barndoor



Rear view of Super LED F10HP >

// P.O. VERSION
Mod. F10THP. PO
Mod. F10DHP. PO



ACCESSORIES



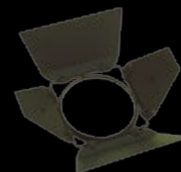
Colorframe



Set of scrims



8 leaf barndoor



4 leaf barndoor

SUPER LED F 14

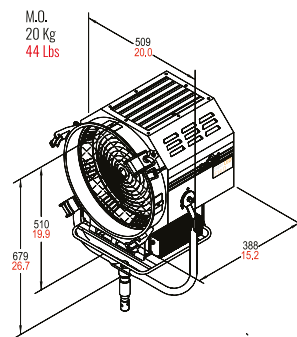
Tungsten & Daylight
versions available 360W



^ Super LED F14 M.O. with barndoor



Super LED F14 - Rear View >

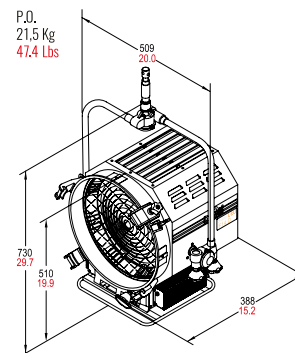


M.O.
20 Kg
44 Lbs

// P.O. VERSION

Mod. F14T. PO

Mod. F14D. PO



P.O.
21.5 Kg
47.4 Lbs



ACCESSORIES



Colorframe



Set of scrims



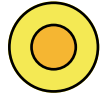
8 leaf barndoor



4 leaf barndoor

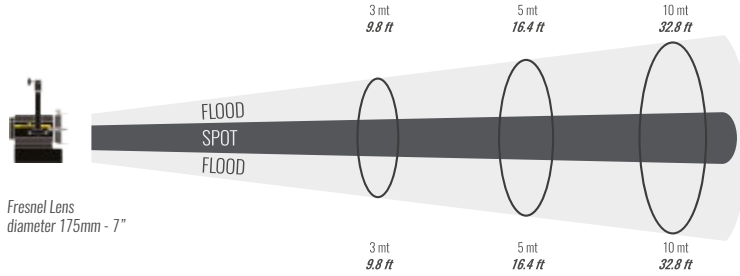


Desanti
Super LED
F14D



// SUPER LED F7

Central Light intensity (Candle Power)		Illumination center values at Distances		
3.200°K TUNGSTEN BALANCED C.C.T. (Correlated Color Temperature) - 180W (CRI 91) - TLCI: 90				
FLOOD	13.527 cd	1.503 lux 140 FC	541 lux 50 FC	135 lux 13 FC
SPOT	53.865 cd	5.985 lux 556 FC	2.155 lux 200 FC	539 lux 50 FC
5.600°K DAYLIGHT BALANCED C.C.T. (Correlated Color Temperature) - 180W (CRI 93) - TLCI: 90				
FLOOD	15.030 cd	1.670 lux 155 FC	601 lux 56 FC	150 lux 14 FC
SPOT	56.700 cd	6.300 lux 585 FC	2.268 lux 211 FC	567 lux 53 FC



Fresnel Lens
diameter 175mm - 7"

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

		Beam Sizes		
FLOOD	50.0°	2.80mt 9.2 ft	4.66mt 15.3 ft	9.33mt 30.6 ft
SPOT	14.0°	0.74mt 2.4 ft	1.23mt 4.0 ft	2.46mt 8.1 ft

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

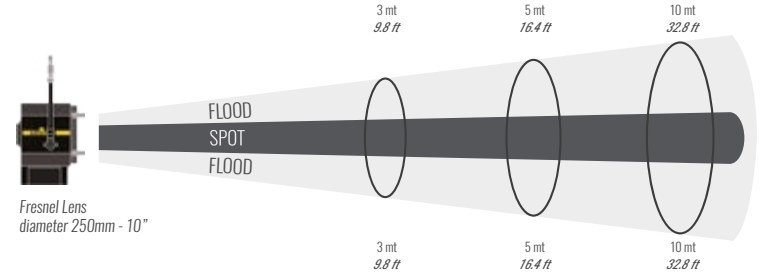
FLOOD	64.0°	3.75mt 12.3 ft	6.25mt 20.5 ft	12.50mt 41.0 ft
SPOT	24.0°	1.28mt 4.2 ft	2.13mt 7.0 ft	4.25mt 13.9 ft

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

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

// SUPER LED F10 HP

Central Light intensity (Candle Power)		Illumination center values at Distances		
3.200°K TUNGSTEN BALANCED C.C.T. (Correlated Color Temperature) - 230W (CRI 97) - TLCI: 97				
FLOOD	19.512 cd	2.168 lux 201 FC	780 lux 73 FC	195 lux 18 FC
SPOT	105.930 cd	11.770 lux 1,093 FC	4.237 lux 394 FC	1.059 lux 98 FC
5.600°K DAYLIGHT BALANCED C.C.T. (Correlated Color Temperature) - 230W (CRI 95) - TLCI: 95				
FLOOD	20.223 cd	2.247 lux 209 FC	809 lux 75 FC	202 lux 19 FC
SPOT	131.130 cd	14.570 lux 1,354 FC	5.245 lux 487 FC	1.311 lux 122 FC



Fresnel Lens
diameter 250mm - 10"

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

		Beam Sizes		
FLOOD	54.0°	3.06mt 10.0 ft	5.10mt 16.7 ft	10.19mt 33.4 ft
SPOT	12.0°	0.63mt 2.1 ft	1.05mt 3.4 ft	2.10mt 6.9 ft

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

FLOOD	77.0°	4.77mt 15.7 ft	7.95mt 26.1 ft	15.91mt 52.2 ft
SPOT	22.0°	1.17mt 3.8 ft	1.94mt 6.4 ft	3.89mt 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

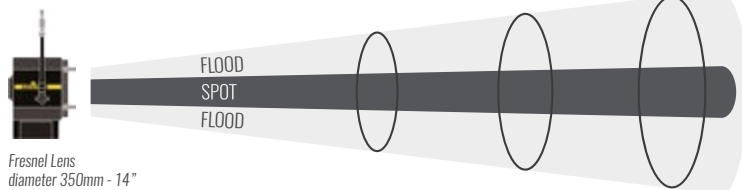
3.200°K TUNGSTEN BALANCED C.C.T. (Correlated Color Temperature) - 360W (CRI 97) - TLCI: 96

FLOOD	33.966 cd	3.774 lux 351 FC	1.359 lux 126 FC	340 lux 32 FC
SPOT	178.902 cd	19.878 lux 1,847 FC	7.156 lux 665 FC	1.789 lux 166 FC

5.600°K DAYLIGHT BALANCED C.C.T. (Correlated Color Temperature) - 360W (CRI 95) - TLCI: 95

FLOOD	39.303 cd	4.367 lux 406 FC	1.572 lux 146 FC	393 lux 37 FC
SPOT	205.560 cd	22.840 lux 2,122 FC	8.222 lux 764 FC	2.056 lux 191 FC

3 mt
9.8 ft 5 mt
16.4 ft 10 mt
32.8 ft



Fresnel Lens
diameter 350mm - 14"

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

Beam Sizes

FLOOD	51,0°	2,86 mt 9.4 ft	4,77 mt 15.6 ft	9,54 mt 31.3 ft
SPOT	12,0°	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	74,0°	4,52 mt 14.8 ft	7,54 mt 24.7 ft	15,07 mt 49.4 ft
SPOT	22,0°	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



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 for LED Fresnel. The innovative variable white Fresnel provides the ability to modulate the color temperature from a minimum of 2800°K to a Maximum of 6600°K. The light output has an enhanced CRI (Color Rendering Index) greater than 94 and with equal 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 fixture combines the classical SPOT/FLOOD beam control on an equivalent focus range to a conventional tungsten lamp Fresnel, with an excellent barn door cutting.

The Fresnel range utilizes standard accessories from the De Sisti range of equivalent Fresnel Lens size, such as Barndoor, Color Frame, Cones, and Scrims.

MAIN FEATURES

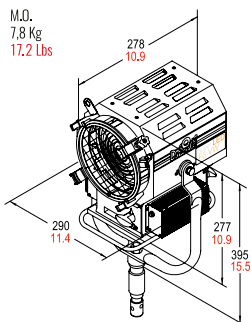
- // CRI Greater than 94 at any CCT within the range from 2,800°K to 6,600°K
- // Universal A/C input voltage from 90-250V and True smooth 100-0% Dimming via DMX 512
- // 120 mm. (4.75") diameter high quality, shock resistant Borosilicate glass Fresnel lens on spring supports.
- // Silent dimming with no color shift
- // High efficiency Self Stabilizing 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 Teflon bushings supported LED ENGINE 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 as well as manually, since the mechanical activators are equipped with clutches.
- // Modular design construction for maintenance and future upgrades.



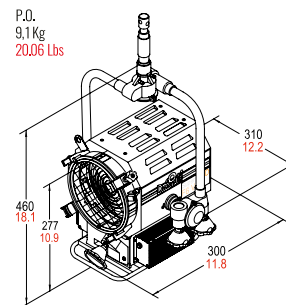
// Super LED F6 VARI-WHITE



// Super LED F10 VARI-WHITE



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



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



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

New Graphic Display of Super LED F6 VARI-WHITE >

120W from 2800°K to 6600°K

SUPER LED F6 VARI-WHITE

ACCESSORIES



Colorframe



Set of scrims



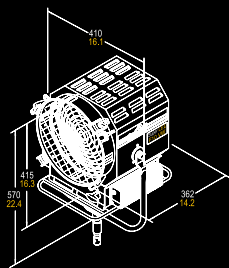
8 leaf barndoor



4 leaf barndoor



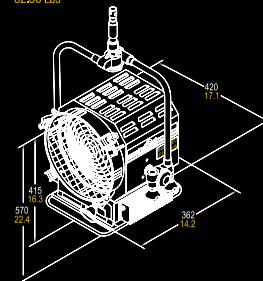
M.O.
13.5 Kg
29,76 Lbs



// 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

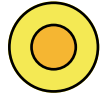


8 leaf barndoor



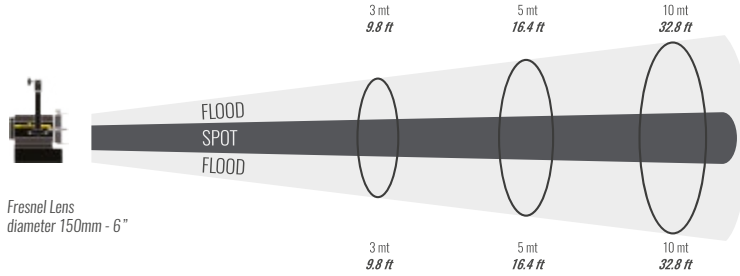
4 leaf barndoor

SUPER LED F10 VARI-WHITE



// SUPER LED 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 >94) - TLCI: 96				
FLOOD @ 2.800°K CCT	5,778 cd	642 lux 60 FC	231 lux 21 FC	58 lux 5 FC
FLOOD @ 6.600°K CCT	7,479 cd	831 lux 77 FC	299 lux 28 FC	75 lux 7 FC
FULL SPOT - C.C.T. tunable from 2.800°K to 6.600°K - 120W (CRI >94) - TLCI: 96				
SPOT @ 2.800°K CCT	48,078 cd	5,342 lux 496 FC	1,923 lux 179 FC	481 lux 45 FC
SPOT @ 6.600°K CCT	61,200 cd	6,800 lux 632 FC	2,448 lux 227 FC	612 lux 57 FC



Light beam diameter with Beam Angle (50% of center value)		Beam Sizes		
FLOOD	55,0°	3,12mt 10.2 ft	5,21 mt 17.1 ft	10,41 mt 34.2 ft
SPOT	9,0°	0,47 mt 1.5 ft	0,79 mt 2.6 ft	1,57 mt 5.2 ft

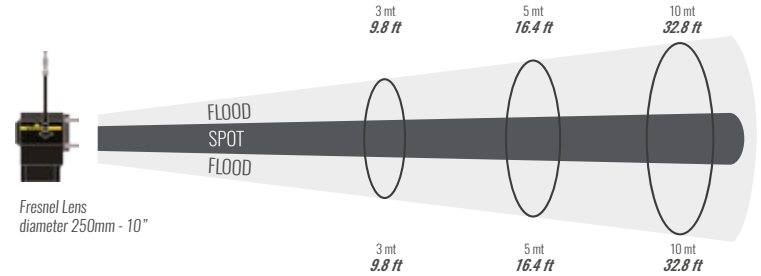
Light beam diameter with Field Angle (10% of center value)				
FLOOD	75,0°	4,60 mt 15.1 ft	7,67 mt 25.2 ft	15,35 mt 50.3 ft
SPOT	25,0°	1,33 mt 4.4 ft	2,22 mt 7.3 ft	4,43 mt 14.5 ft

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

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

// SUPER LED F10 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 >94) - TLCI: 96				
FLOOD @ 2.800°K CCT	12.735 cd	1.415 lux <i>131 FC</i>	509 lux <i>47 FC</i>	127 lux <i>12 FC</i>
FLOOD @ 6.600°K CCT	15.723 cd	1.747 lux <i>162 FC</i>	629 lux <i>58 FC</i>	157 lux <i>15 FC</i>
FULL SPOT - C.C.T. tunable from 2.800°K to 6.600°K - 200W (CRI >94) - TLCI: 96				
SPOT @ 2.800°K CCT	143.550 cd	15.950 lux <i>1,482 FC</i>	5.742 lux <i>533 FC</i>	1.436 lux <i>133 FC</i>
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>



Light beam diameter with Beam Angle (50% of center value)		Beam Sizes		
FLOOD	50,0°	2,80 mt 9.2 ft	4,66 mt 15.3 ft	9,33 mt 30.6 ft
SPOT	8,0°	0,42 mt 1.4 ft	0,70 mt 2.3 ft	1,40 mt 4.6 ft

Light beam diameter with Field Angle (10% of center value)				
FLOOD	71,0°	4,28 mt 14.0 ft	7,13 mt 23.4 ft	14,27 mt 46.8 ft
SPOT	20,0°	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.)]²

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

De Sisti LED Fresnels // Lighting quality first

When choosing a FRESNEL you are expecting:

- Appropriate and effective Focusing Range from Spot to Flood
- Single shadows and their consistency within the Flood Field
- Even and wide Flood with appropriate Barn-door capability

This is exactly what you get with the DE SISTI LED FRESNELS. The Internationally Patented Optical system specifically developed by DESISTI to optimize the use of a LED Engine Technology in combination with a Fresnel Lens (or a Plano Convex) is providing to the DE SISTI LED FRESNELS the exact same lighting projection you would expect from a Standard Fresnel.

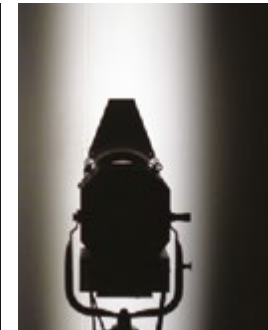
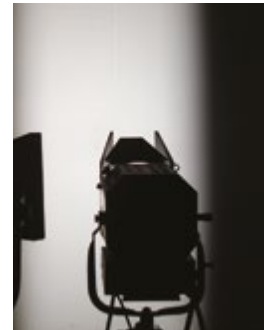
DE SISTI LED FRESNELS are 4K Flicker Free operation tested with Phantom Camera model VEO 640S at 40.000 fps and 2 μ s exposure time.

LED Lighting, Green Energy

These LED based products introduce Energy Savings bigger than 92%. LEDs light bulbs last longer, are more durable - 25 times longer, than incandescent lighting - and offer comparable or better light quality than other types of lighting. Dimmable LEDs also allow an outstanding color temperature choices and longevity that extends over decades.



The Beam in full flood is LARGE (above 60°), even and flat (No Hot Spots and rapid passage from Beam to Field Angle)



The Barndoor on the DE SISTILED FRESNEL has exactly the same functionality obtained with a PROPER FRESNEL optics

LED SOFTLIGHT SERIES

OUR TECHNOLOGY ADVANCEMENT IN LED LIGHTING



The De Sisti **LED Softlight SERIES** is a new range of LED Softlights utilizing the Remote Phosphor technology (CRI bigger than 90) with a LED color mixing chamber within the instrument to produce a smooth, even, soft beam projection, with very diffused shadow. The optical system eliminates any pixel effect which is created by all Panel type lights. The LED Softlight is ideal for multiple camera set ups and is available with various honeycomb control screens and intensifier options for extra control. All of the electronics are integrated within the fixture and feature DC DMX dimming control from 0 to 100% with zero flicker even with high speed cameras.

MAIN FEATURES

- // Super High CRI using interchangeable Remote Phosphors Technology (switching between Tungsten or Daylight Balanced CCT)
- // Continuous Light Output at any dimming level (no flicker at any camera speed): the LED are supplied with DC current at any dimming level (no PWM)
- // Shadow-less White Light Projection, with or without accessories
- // Contained Size, reduced weight and exceptional efficiency for energy savings and lit Talent comfort
- // Automatic Thermal Stabilisation of the LED Temperature and complete silent operation

INTERCHANGEABLE REMOTE PHOSPHORS PANEL TUNGSTEN OR DAYLIGHT BALANCED CCT



POLE OPERATED VERSION (SOFT LED 2 AND SOFT LED 4)

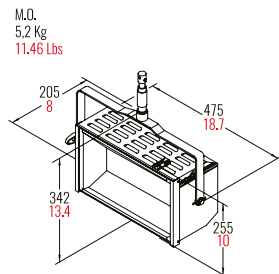


// Soft LED 4

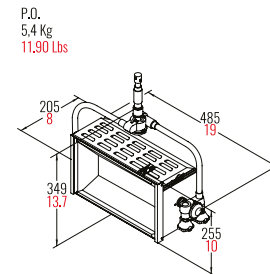


// Soft LED 2





// M.O. VERSION
Mod. LT4660
Mod. LD4660



// P.O. VERSION
Mod. LT4661
Mod. LD4661

Tungsten & Daylight
versions available 100W

ACCESSORIES

SOFT LED 2



Soft LED 2 with medium white honeycomb (1/2")



Soft LED 2 with medium black honeycomb (1/2")



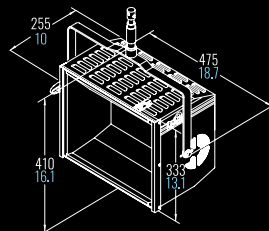
Soft LED 2 with intensifier



Soft LED 2 with narrow black honeycomb (1/4")



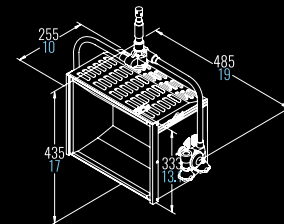
M.O.
7.2 Kg
15.87 Lbs



// **M.O. VERSION**
Mod. LT4670
Mod. LD4670



P.O.
7.4 Kg
16.31 Lbs



// **P.O. VERSION**
Mod. LT4671
Mod. LD4671

ACCESSORIES

Tungsten & Daylight
versions available 165W

SOFT LED 4

Soft LED 4 with intensifier



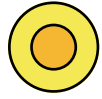
Soft LED 4 with narrow black honeycomb (1/4")



Soft LED 4 with medium black honeycomb (1/2")



Soft LED 4 with medium white honeycomb (1/2")



// SOFT LED 2



C.C.T. (Correlated Color Temperature) balanced to match 3,200°K TUNGSTEN LAMPS - 100W (CRI 95)
Illumination center values at the following distances

		2 mt 6.6 ft	3 mt 9.8 ft	5 mt 16.4 ft
SL2 Tungsten w/o Front Accessories Central Light intensity (Candle Power)	3.321 cd	830 lux 77 FC	369 lux 34 FC	133 lux 12 FC
SL2 Tungsten with Intensifier Central Light intensity (Candle Power)	4.377 cd	1,094 lux 102 FC	486 lux 45 FC	175 lux 16 FC
SL2 Tungsten with Medium Black H.Comb Central Light intensity (Candle Power)	2.836 cd	709 lux 66 FC	315 lux 29 FC	113 lux 11 FC

C.C.T. (Correlated Color Temperature) balanced to match 5,600°K DAYLIGHT LAMPS - 100W (CRI 91)
Illumination center values at the following distances

		2 mt 6.6 ft	3 mt 9.8 ft	5 mt 16.4 ft
SL2 Daylight w/o Front Accessories Central Light intensity (Candle Power)	3.510 cd	878 lux 82 FC	390 lux 36 FC	140 lux 13 FC
SL2 Daylight with Intensifier Central Light intensity (Candle Power)	4.626 cd	1,157 lux 107 FC	514 lux 48 FC	185 lux 17 FC
SL2 Daylight with Medium Black H.Comb Central Light intensity (Candle Power)	2.998 cd	749 lux 70 FC	333 lux 31 FC	120 lux 11 FC

BEAM COVERAGE ON SOFT LED 2 - 100W

Light beam Width with Beam Angle w/o accessories	87,0°	3,80 mt 12.5 ft	5,69 mt 18.7 ft	9,49 mt 31.1 ft
Light beam Height with Beam Angle w/o accessories	83,0°	3,54 mt 11.6 ft	5,31 mt 17.4 ft	8,85 mt 29.0 ft
Light beam Width with Beam Angle with Medium Black H.Comb	45,0°	1,66 mt 5.4 ft	2,49 mt 8.2 ft	4,14 mt 13.6 ft
Light beam Height with Beam Angle with Medium Black H.Comb	44,0°	1,62 mt 5.3 ft	2,42 mt 8.0 ft	4,04 mt 13.3 ft

// SOFT LED 4



C.C.T. (Correlated Color Temperature) balanced to match 3,200°K TUNGSTEN LAMPS - 165W (CRI 95)
Illumination center values at the following distances

		2 mt 6.6 ft	3 mt 9.8 ft	5 mt 16.4 ft
SL4 Tungsten w/o Front Accessories Central Light intensity (Candle Power)	5.373 cd	1,343 lux 125 FC	597 lux 55 FC	215 lux 20 FC
SL4 Tungsten with Intensifier Central Light intensity (Candle Power)	7.082 cd	1,770 lux 164 FC	787 lux 73 FC	283 lux 26 FC
SL4 Tungsten with Medium Black H.Comb Central Light intensity (Candle Power)	4.589 cd	1,147 lux 107 FC	510 lux 47 FC	184 lux 17 FC

C.C.T. (Correlated Color Temperature) balanced to match 5,600°K DAYLIGHT LAMPS - 165W (CRI 91)
Illumination center values at the following distances

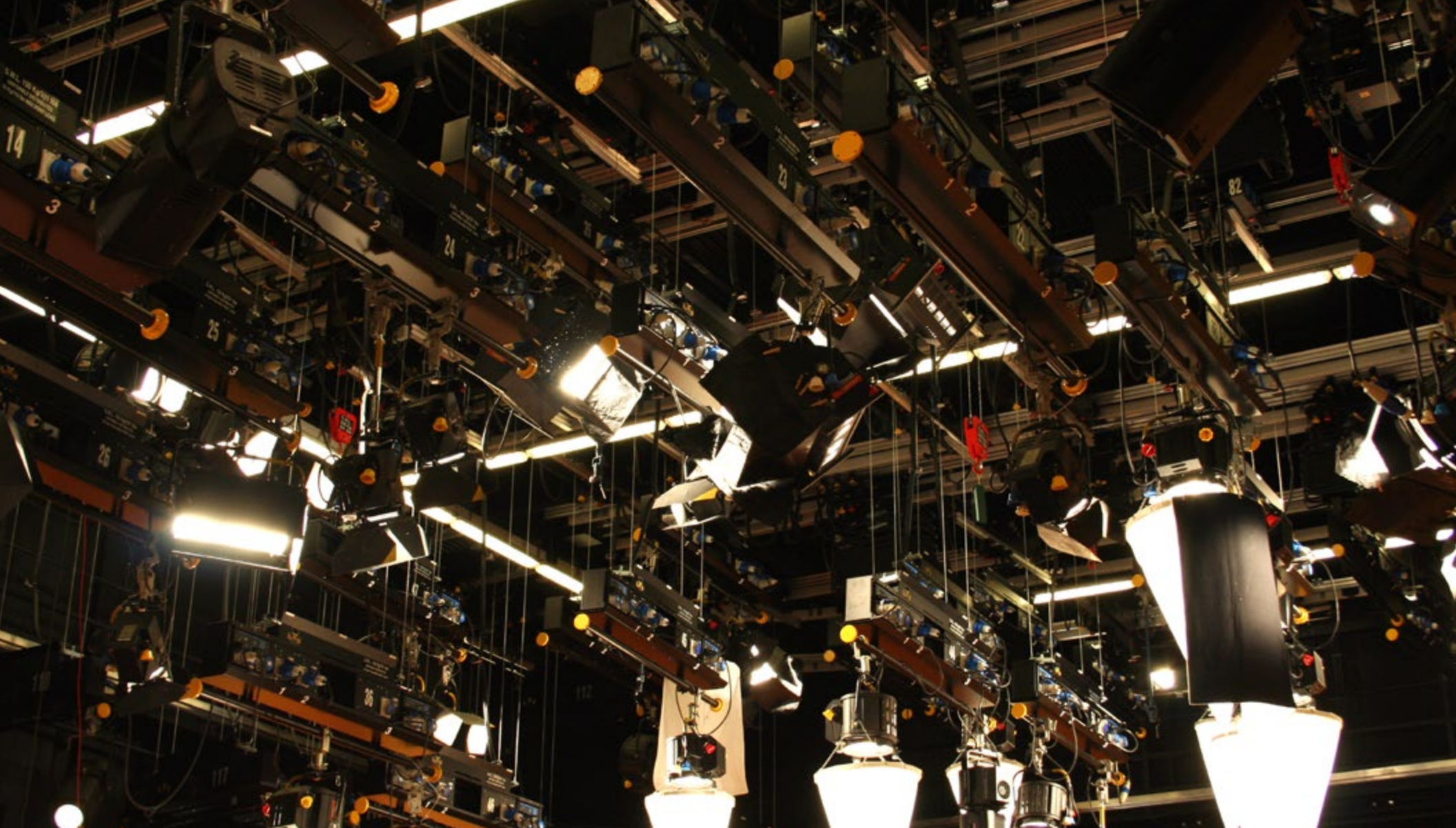
		2 mt 6.6 ft	3 mt 9.8 ft	5 mt 16.4 ft
SL4 Daylight w/o Front Accessories Central Light intensity (Candle Power)	5.985 cd	1,496 lux 139 FC	665 lux 62 FC	239 lux 22 FC
SL4 Daylight with Intensifier Central Light intensity (Candle Power)	7.888 cd	1,972 lux 183 FC	876 lux 81 FC	316 lux 29 FC
SL4 Daylight with Medium Black H.Comb Central Light intensity (Candle Power)	5.111 cd	1,278 lux 119 FC	568 lux 53 FC	204 lux 19 FC

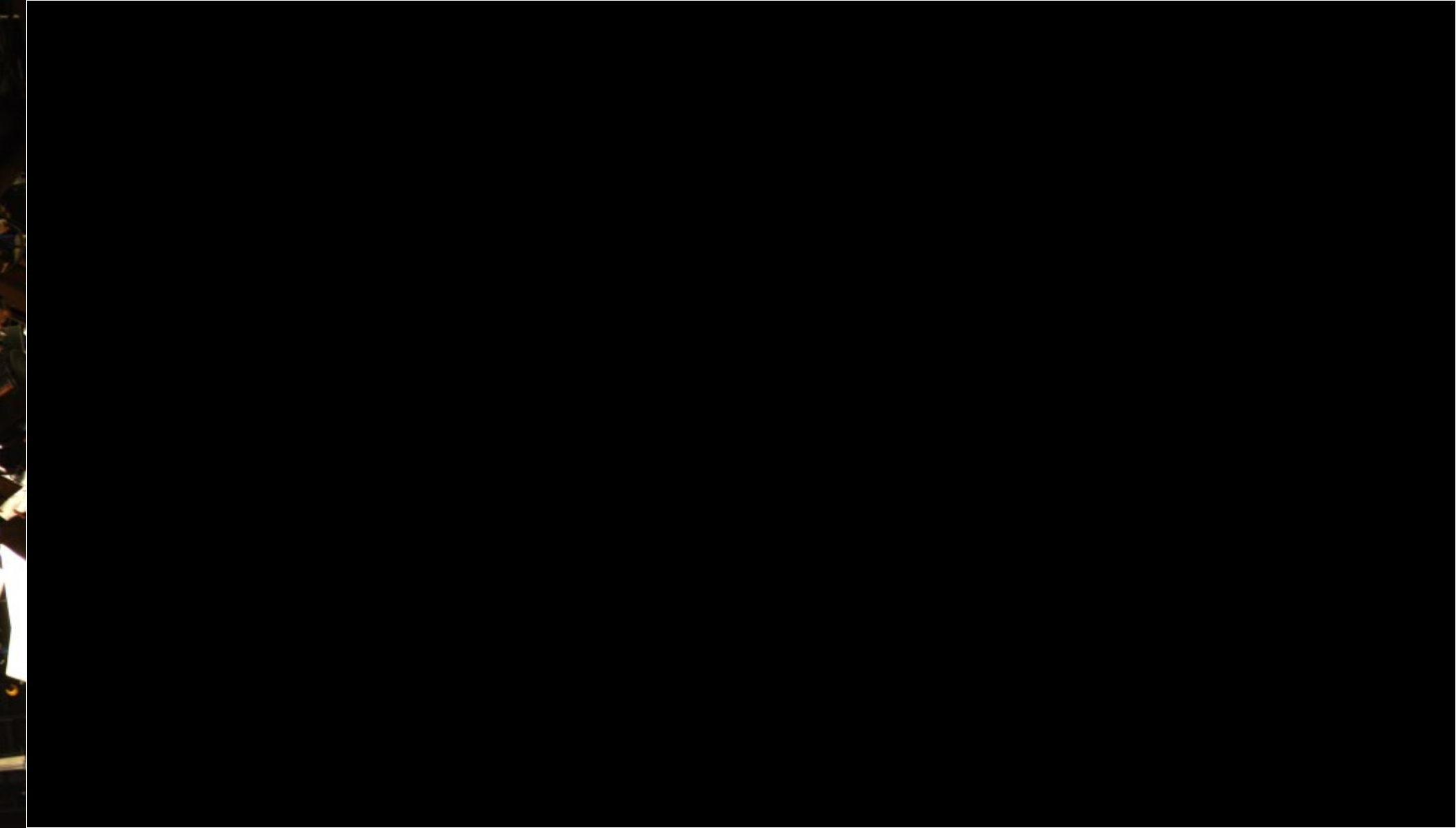
BEAM COVERAGE ON SOFT LED 4 - 165W

Light beam Width with Beam Angle w/o accessories	87,0°	3,80 mt 12.5 ft	5,69 mt 18.7 ft	9,49 mt 31.1 ft
Light beam Height with Beam Angle w/o accessories	83,0°	3,54 mt 11.6 ft	5,31 mt 17.4 ft	8,85 mt 29.0 ft
Light beam Width with Beam Angle with Medium Black H.Comb	45,0°	1,66 mt 5.4 ft	2,49 mt 8.2 ft	4,14 mt 13.6 ft
Light beam Height with Beam Angle with Medium Black H.Comb	44,0°	1,62 mt 5.3 ft	2,42 mt 8.0 ft	4,04 mt 13.3 ft



WDSU TV Studio // LED Softlights Installation







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