

DeSisti



Piccoletto
The Miniature LED Fresnel



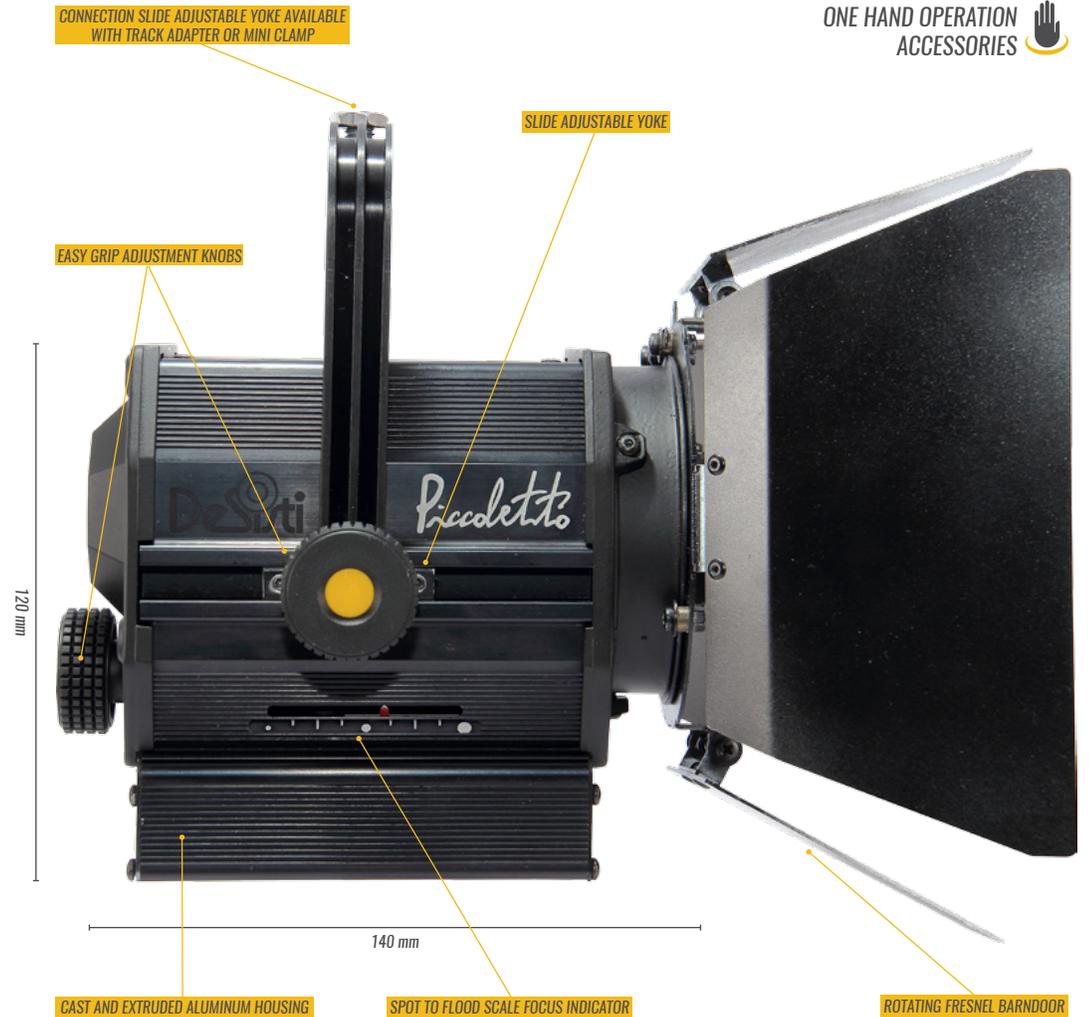
Piccoletto

Sisti

Piccoletto in Italian translates to Very Small. It was the nickname given to **Mario De Sisti** the beloved founder of DeSisti by the Cinecittà Studio gaffers in the 1950's when Mario started working at age ten. The **Piccoletto** commemorates Mario DeSisti's exceptional career and achievements in the professional lighting industry as a designer and innovator. The **Piccoletto** name is engraved with Mario's personal handwriting to help preserve his legacy as the genius behind one of the leading international lighting brands in the World.

Mario De Sisti → Piccoletto

The PICCOLETTO is a high efficiency Fresnel lens spotlight using a High Output 30W COB (Chip on Board) LED ARRAY and with an enhanced CRI (Colour Rendering Index) higher than 90 for appropriate chromacity performances. The PICCOLETTO is available with either Tungsten (3.200°K) or Daylight (5.600°K) Balanced CCT (Correlated Colour Temperature), in both cases with a CRI higher than 90. The fixture combines the classical SPOT/FLOOD beam control on an equivalent FOCUS RANGE to a conventional lamp Fresnel, with an excellent barn door cutting.



FEATURES

- // 80 mm (3 inch) diameter high quality Borosilicate glass Fresnel lens.
- // The Light Levels with the Daylight LED are in excess of 185 lux at 3 m. distance with an exceptionally wide flood (80° Beam angle) and in excess of 940 lux in full Spot. The quality of the distribution is at TOP LEVEL.
- // Rugged and Lightweight aluminium housing with low glare black epoxy powder coating, internal double walls and reinforces, an exact miniature of bigger lights.
- // 1 kg. Self Weight in battery operation configuration and 1,3 kg. in Mains operation configuration
- // 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.

PICCOLETTO P WITH MAINS PSU



PICCOLETTO P WITH BATTERY



- // Linear Bearing sliding focus mechanism which guides the LED ENGINE. This ensures smooth operation during focusing, in any tilting position of the fixture.
- // Light Intensity Control: External local potentiometer and DMX Addressing rotary switches. Miniature XLR Connector for DMX control.
- // Power Supply: Mains or Battery Operation. The Piccoletto requires 14,8V D.C. supply. The bottom of the fixture features a Fast Fit mounting system for utilizing one of the following power supply components:
 - Fast Fit Mains Power Supply: to operate with any AC Supply (90 to 270V automatically switching)
 - Fast Fit Adapter for connection to V Mount Standard Camera Batteries
 - Fast Fit Battery - direct connection to a standard 14.8V portable camera battery (Sony BP-U series)

PICCOLETTO FE WITH EXTERNAL PSU AND TRACK



PICCOLETTO F (30W), FA (20W) - WITH INTERNAL PSU

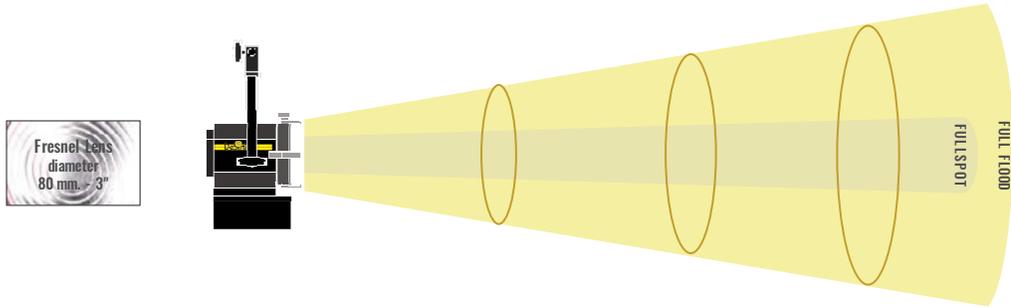


PHOTOMETRICS

PHOTOMETRIC DATA PICCOLETTO T - 30W (CRI 92)

C.C.T. (Correlated Color Temperature) balanced to match 3.200°K TUNGSTEN LAMPS

Illumination center values at Distances	2 mt	3 mt	5 mt	
Central Light intensity (Candle Power) 1.632 cd	408 lux 38 FC	181 lux 17 FC	65 lux 6 FC	
Light beam diameter with Beam Angle (50% of center value): 80,0°	3,36 mt 11,0 ft	5,03 mt 16,5 ft	8,39 mt 27,5 ft	
Light beam diameter with Field Angle (10% of center value): 96,0°	4,44 mt 14,6 ft	6,66 mt 21,9 ft	11,11 mt 36,4 ft	
FULL FLOOD	DISTANCES	2 mt 6,6 ft	3 mt 9,8 ft	5 mt 16,4 ft



Illumination center values at Distances	2 mt	3 mt	5 mt	
Central Light intensity (Candle Power) 8.291 cd	2.073 lux 193 FC	921 lux 86 FC	332 lux 31 FC	
Light beam diameter with Beam Angle (50% of center value):18,0°	0,63 mt 2,1 ft	0,95 mt 3,1 ft	1,58 mt 5,2 ft	
Light beam diameter with Field Angle (10% of center value):30,0°	1,07 mt 3,5 ft	1,61 mt 5,3 ft	2,68 mt 8,8 ft	
FULL FLOOD	DISTANCES	2 mt 6,6 f	3 mt 9,8 f	5 mt 16,4 f

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

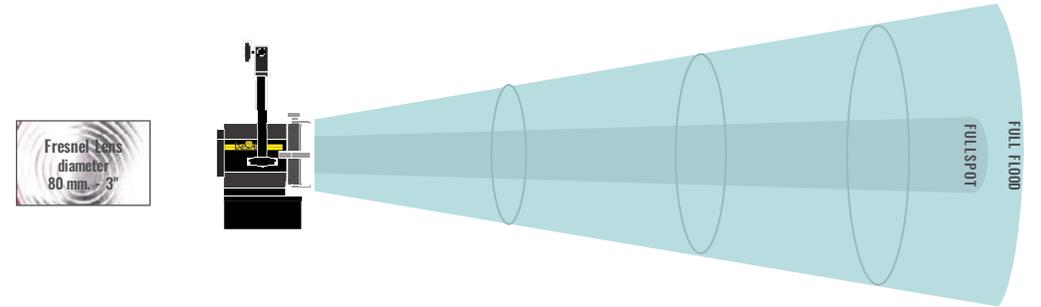
$$\text{F.C. AT ANY DISTANCE} = \text{Candle Power} : [\text{Distance}(\text{in ft.})]^2$$

PHOTOMETRICS

PHOTOMETRIC DATA PICCOLETTO D - 30W (CRI 92)

C.C.T. (Correlated Color Temperature) balanced to match 5.600°K DAYLIGHT LAMPS

Illumination center values at Distances	2 mt	3 mt	5 mt	
Central Light intensity (Candle Power) 1.665 cd	416 lux 39 FC	185 lux 17 FC	67 lux 6 FC	
Light beam diameter with Beam Angle (50% of center value): 80,0°	3,36 mt 11,0 ft	5,03 mt 16,5 ft	8,39 mt 27,5 ft	
Light beam diameter with Field Angle (10% of center value): 96,0°	4,44 mt 14,6 ft	6,66 mt 21,9 ft	11,11 mt 36,4 ft	
FULL FLOOD	DISTANCES	2 mt 6,6 ft	3 mt 9,8 ft	5 mt 16,4 ft



Illumination center values at Distances	2 mt	3 mt	5 mt	
Central Light intensity (Candle Power) 8.460 cd	2115 lux 196 FC	940 lux 87 FC	338 lux 31 FC	
Light beam diameter with Beam Angle (50% of center value): 18,0°	0,63 mt 2,08ft	0,95 mt 3,12 ft	1,58 mt 5,20ft	
Light beam diameter with Field Angle (10% of center value): 30,0°	1,07 mt 3,52ft	1,61 mt 5,27ft	2,68 mt 8,79ft	
FULL FLOOD	DISTANCES	2 mt 6,6 f	3 mt 9,8 f	5 mt 16,4 f

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

$$\text{F.C. AT ANY DISTANCE} = \text{Candle Power} : [\text{Distance}(\text{in ft.})]^2$$

DE SISTI PICCOLETTO LED FRESNEL LIGHTING QUALITY FIRST

When choosing a FRESNEL you are expecting to obtain:

- An appropriate and effective Focusing Range from Spot to Flood
- Single shadows projected by the light beam in flood and their consistency within the Field
- Even and wide Flood with appropriate Barn-door capability

These are the exact features you get with **PICCOLETTO**

The Internationally Patented Optical system specifically developed by DE SISTI 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.

Piccoletto

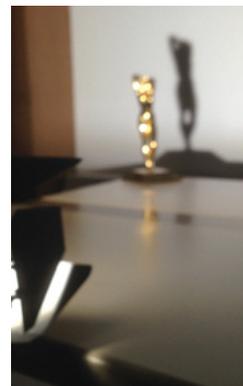
// The following are some images of the PICCOLETTO's Light beam projections:



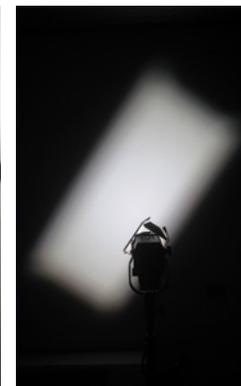
PICCOLETTO IN FULL SPOT INTENSE AND FOCUSED BEAM (BEAM ANGLE = 18°)



PICCOLETTO IN FULL FLOOD WIDE & EVEN FIELD (BEAM ANGLE = 80°)



FRESNEL SINGLE SHADOW PROJECTION



PROPER LIGHT BEAM SHAPING WITH BARNDOR



NARROW SETTING OF BARNDOR



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