# SOFT LED 4



DATASHEET

DeSisti

# SOFT LED 4

## LED Softlight 180W - CRI>95

White light, either Tungsten or Daylight balanced



## OVERVIEW

*The SOFT LED 4 180W is the DE SISTI answer to the increasing demand of COMPACT FIXTURES for SOFTLIGHTING.*
*It is available with a FIXED WHITE CCT either Tungsten balanced or Daylight balanced (CRI>95)*
*It provides a super even - soft beam projection and the following main features:*

- *a controlled Beam and SOFT White Source, ideal for multiple camera use in the studio, with more effective control of the beam projection and effective Honeycombs*
- *a beautiful EVEN DISTRIBUTION and a real quality projection with precise reference white.*
- *NO PIXEL EFFECT from the LED (which is a problem from many other Brand's LED PANELS in the market).*
- *Contained Size, reduced weight and exceptional efficiency for energy savings and lit Talent comfort.*
- *Choice of Manual or Pole operation, the full dimming is through DMX and the LEDs are supplied with DC throughout the 0 to 100% dimming range, for a full FLICKER FREE operation and super smooth cross fades.*
- *The unit is self contained and requires no other external power supplies or devices....both Mains and DMX connections are DAISY Chainable.*

| MODEL | DESCRIPTION |
|---|---|
| S4T.MO | SoftLED 4 T - Tungsten CCT, Manual Operated |
| S4T.PO | SoftLED 4 T - Tungsten CCT, Pole Operated |
| S4D.MO | SoftLED 4 D - Daylight CCT, Manual Operated |
| S4D.PO | SoftLED 4 D - Daylight CCT, Pole Operated |

## WHAT'S INSIDE

### FIXTURE HEAD

*POWERCON IN & OUT PANEL CONNECTORS.*
*XLR 5 Pin DMX IN & OUT PANEL CONNECTORS.*
*180W LED engine*
*Built In Universal Power Supply 90-250V 50/60Hz DMX controlled.*

### YOKES

**Manual Operated Versions**
*Mod. S4MO.110.40 M.O. stirrup with 28,57 mm. spigot (B.S. 1-1/8"), with top end for "C" clamp*

**Pole Operated Versions**
*Mod. S4MO.110.40 P.O. yoke with 28,57 mm. spigot (B.S. 1-1/8"), with top end for "C" clamp*

### ACCESSORIES

*Mod. S4DIF Diffuser Panel for SOFT LED 4*

### CABLES

*Mod. 5403.135 3 mt. (9.8 ft) detachable Blue POWERCON power cable with bare ends.*

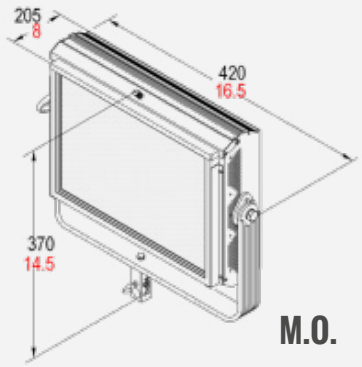
*DMX cable is not included, to be ordered separately*

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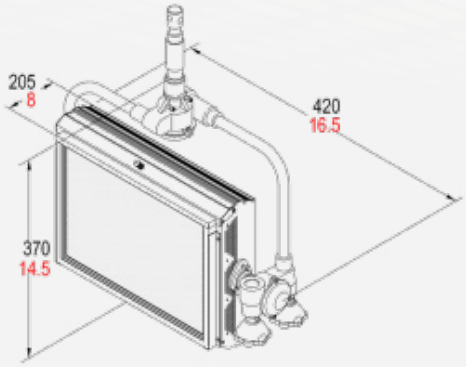
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| FEATURES | |
|---|---|
| **Power to LED** | *180W - DC current to the LED - flicker free* |
| **Rated Voltage & PFC** | *90-250V 50-60Hz PFC 0,96* |
| **Power consumption** | *200W @ 230V \| 205W @120V* |
| **Power Connection** | *powerCON IN & OUT* |
| **DMX Data link USITT DMX512-A** | *5-pin XLR for DMX in & out.*<br>*Use shielded data cables.*<br>*Do not overload the daisy chain.*<br>*Up to a maximum of 32 devices can be used on a single DMX chain.* |
| **DMX Channels** | *1 @ 8bit \| 2 @ 16bit* |
| **LED BOARDS Lifetime** | *50.000 hours with 70% Lumen Maintenance.*<br>*The LED BOARDS are tested and certified up to LM80* |
| **CCT** | **T:** *3.200°K*<br>**D:** *5.600°K* |
| **CRI / TLCI** | **T:** *96 / 96*<br>**D:** *96 / 96* |
| **Protection Type** | *IP22* |
| **Max. Housing Surface Temperature** | *70° C* |
| **Weight of Fixture with yoke (integrated PSU)** | **M.O.** *5,5 Kg (12.1 lb)*<br>**P.O.** *6,7 Kg (14.8 lb)* |

## DIMENSION




M.O.




P.O.

## FEATURES

*Rugged and Lightweight Aluminium extrusion housing with Black Oxidation low glare finishing*

*High efficiency, silent passive heat management. Thermal stabilization of the LED operating temperature is managed by an internal thermal sensor and CPU, variable fan speed and heat sink to maintain the LEDs at optimal constant temperature.*

*DMX (or local) control of the Light intensity from 0 to 100% with smooth transition and theatrical quality dimming....flicker free at any dimming level.*

*100% flicker free system with universal Power Supply unit 90-250V to work in every condition and frame rate.*

*The accessories are secure regardless of the orientation of the fixture. Accessories have been designed for one hand installation.*

*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.*

*Honeycombs and intensifier accessories work perfectly to shape and control the beam spread.*

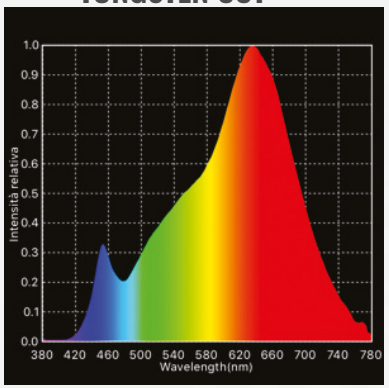
*DMX daisy chaining and Power Pass Through features allow for quicker installations of the lighting system.*

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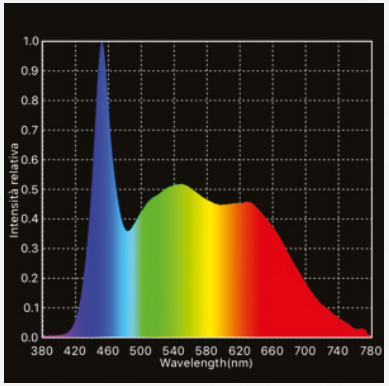
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## SPECTRUM

### TUNGSTEN CCT




### DAYLIGHT CCT




## PHOTOMETRICS

C.C.T. (Correlated Color Temperature) balanced to match 3.200°K TUNGSTEN LAMPS - 180W (CRI>95 - TLCI>96)

| 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) | 6.102 cd | 1.526 lux 142 FC | 678 lux 63 FC | 244 lux 23 FC |
| SL4 Tungsten with Medium Black H.Comb Central Light intensity (Candle Power) | 5.211 cd | 1.303 lux 121 FC | 579 lux 54 FC | 208 lux 19 FC |
| SL4 Tungsten with Narrow Black H.Comb Central Light intensity (Candle Power) | 4.992 cd | 1.248 lux 116 FC | 555 lux 52 FC | 200 lux 19 FC |

C.C.T. (Correlated Color Temperature) balanced to match 5.600°K DAYLIGHT LAMPS - 180W (CRI>95 - TLCI>96)

| 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) | 7.749 cd | 1.937 lux 180 FC | 861 lux 80 FC | 310 lux 29 FC |
| SL4 Daylight with Medium Black H.Comb Central Light intensity (Candle Power) | 6.618 cd | 1.654 lux 154 FC | 735 lux 68 FC | 265 lux 25 FC |
| SL4 Daylight with Narrow Black H.Comb Central Light intensity (Candle Power) | 6.339 cd | 1.585 lux 98 FC | 704 lux 65 FC | 254 lux 24 FC |

BEAM COVERAGE ON SOFT LED 4 - 180W

| | | | | |
|---|---|---|---|---|
| Light beam Width with Beam Angle w/o accessories | 110° | 5,71 mt 18.7 ft | 8,57 mt 28.1 ft | 14,28 mt 46.9 ft |
| Light beam Height with Beam Angle w/o accessories | 96° | 4,44 mt 14.6 ft | 6,66 mt 21.9 ft | 11,11 mt 36.4 ft |
| Light beam Width with Beam Angle with Medium Black H.Comb | 60° | 2,31 mt 7.6 ft | 3,46 mt 11.4 ft | 5,77 mt 18.9 ft |
| Light beam Height with Beam Angle with Medium Black H.Comb | 55° | 2,08 mt 6.8 ft | 3,12 mt 10.2 ft | 5,21 mt 17.1 ft |
| Light beam Width with Beam Angle with Narrow Black H.Comb | 35° | 1,26 mt 4.1 ft | 1,89 mt 6.2 ft | 3,15 mt 10.3 ft |
| Light beam Height with Beam Angle with Narrow Black H.Comb | 35° | 1,26 mt 4.1 ft | 1,89 mt 6.2 ft | 3,15 mt 10.3 ft |

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## OPTIONALS & ACCESSORIES

| | |
|---|---|
| **S4PX.XO.DIN** | *adder code to order DIN Spigot* |
| **S4-HCN** | *BLACK Honeycomb for SOFT LED 4 fixtures, 1/4" black honeycomb, NARROW.* |
| **S4-HCM** | *BLACK Honeycomb for SOFT LED 4 units, 1/2" black honeycomb, MEDIUM.* |
| **S4-IN** | *Intensifier for SOFT LED 4 fixtures* |
| **S4-CF** | *Color Frame for SOFT LED 4 fixtures* |
| **S4-CYC** | *Cyclorama HOOD for asymmetrical emission of SOFT LED 4 fixtures to illuminate backgrounds & cycs.* |
| **S4MO.110.40** | *Manual Operated Stirrup with B.S. spigot for SOFT LED 4 fixtures* |
| **S4MO.220.40** | *Manual Operated stirrup (w/o spigot) for SOFT LED 4 fixtures* |
| **S4PO.110.40** | *Pole Operated Stirrup with B.S. spigot for SOFT LED 4 fixtures* |
| **S4PO.300.40** | *Pole Operated Stirrup with DIN spigot for SOFT LED 4 fixtures* |