

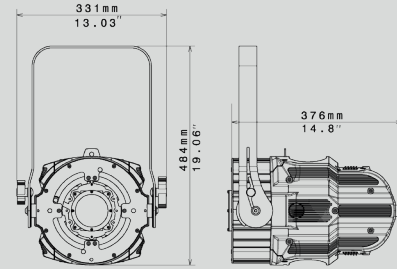
# SOPRANO 5 HDW



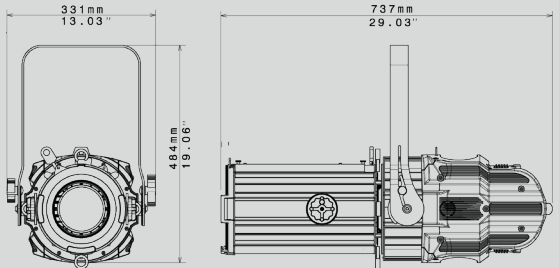
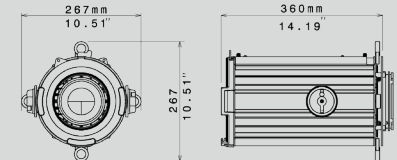
THE WHITE MANAGEMENT SYSTEM BY DTS IN A POWERFUL ELLIPSOIDAL SPOTLIGHT



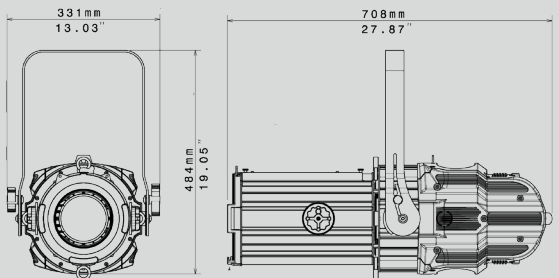
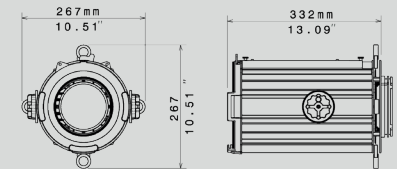
LED ENGINE



OPTICAL GROUP 15-30



OPTICAL GROUP 25-50



## FEATURES



## OPTIONALS

## CERTIFICATIONS



## CODES

**LED ENGINE - 03.TSP101.49**

## OPTICAL GROUPS

**15-30 - 03.TSP900.49**

**25-50 - 03.TSP901.49**



## TECHNICAL DATA

### OUTPUT

- Multi chip LED Source
- Lumens output: 9,600 lm (Optical group 15-30)
- Lumens output: 11,100 lm (Optical group 25-50)
- CRI: up to 98
- TLCI: up to 96
- LED Lifespan: 20,000 hours (70% lumen output)

### OPTICAL GROUP

- Changeable optics (*Led engine and optical group are sold separately*)
- Optical Group 15-30
  - 15°-30° linear zoom
- Optical Group 25-50
  - 21°-46° linear zoom

### FRAMING SYSTEM

- Framing system composed of 4 symmetric blades  
*Blades are integrated in the optical group (not removable)*
- Blades operate on three discrete planes
- 64° full system rotation (+/- 32°)

### GOBOS

- Ø external (ED): 80 mm + 0.2/-0.2 mm
- Ø of image (ID): 50 mm
- Thickness: from 0.2 to 1.5 mm

### COLOR & WHITE GENERATION

- 6-color LED engine
- Linear CCT (1800 K - 10000 K)
- Linear 'Green saturation'

### DIMMER

- Hi-Q Dimming technology
- Tungsten Emulation function

### CONTROL

- LCD graphic display + Jog Shuttle
- RDM/DMX 512 protocols
- 'Standard', 'Silent', 'Ultra Silent' and 'Automatic' fan modes
- Noise level
  - Standard: 34dBA @ 1m (normal operation, 100% power)

- Silent: 29dBA @ 1m (normal operation, 87% power)
- Ultra Silent: 26dBA @ 1m (normal operation, 70% power)
- Automatic: fans adapt to operational status (output power priority)
- Firmware updatable via DTS firmware uploader dongle

### DMX

- CCT (Default)
  - Correlated Color Temperature
- Basic
  - Dimmer 8 bit with Correlated color Temperature control

### POWER SUPPLY

- Wide range 100/240 Vac 50-60 Hz
- Power consumption: 390 W max / 230Vac
- Power Factor: PF >0.94

### CONNECTIONS

- DMX: XLR 5 pole In/Out panel connectors
- Power supply: PowerCON TRUE1 In/Out panel connectors

### CIRCUITS PROTECTIONS

- Overvoltage and overtemperature circuits protection

### OPERATING TEMPERATURE

-10° / 45° C

### STORAGE TEMPERATURE

-20° / 60° C

### PHYSICAL

- IP20
- LED engine weight:
  - 8 Kg (17.6 lbs)
- Optical group weight:
  - 15-30: 5.2 Kg (11.5 lbs)
  - 25-50: 5.9 Kg (13 lbs)
- Finishing: Black

## ACCESSORIES INCLUDED

- 1 x PowerCON TRUE1 female cable connector (code 0520P066)
- 1 x XLR 5 pins female cable connector (code 0508B147)
- 1 x XLR 5 pins male cable connector (code 0508B148)
- 1 x FilterframeBlack finishing - already installed on the projector (code 02M093424.49)

## ACCESSORIES ON REQUEST

- Gobo holder (code 03.TA229)
- Gobo Holder + Filter Soft Edge (03.TA230)
- Iris/Diaphragm (code 03.TA228)
- Barndoor 4 leaf Black finishing (code 03.TBD06.49)
- Barndoor 8 leaf Black finishing (code 03.TBD08.49)
- Outdoor DMX cable 2 x 0,25 mm2 - Flame retardant (code 0509C158)
- Aliscraf clamp for Ø 48-51 mm tube-max load 100 Kg (code 0521A033)
- Professional G-QUICK clamp - max load 100 Kg (code 0521A037)
- Safety cable 3 x 600 mm - BGV-C1 certified (code 0521A049)
  - Single stranded: Max 20 Kg (44 lbs)
  - Double stranded: Max 30 Kg (66 lbs)
- Safety cable for Barndoor / Filterframe - Ø 0,8mm (code 0521A048)
- DTS firmware uploader dongle (code 03.LA.206)

## PHOTOMETRIC DATA OPTICAL GROUP 15-30

### BEAM ANGLE 15°

### BEAM ANGLE 30°

|        | mt 2<br>ft 6.56 | mt 4<br>ft 13.12 | mt 6<br>ft 19.68 | mt 8<br>ft 26.25 | mt 10<br>ft 32.81 |                   | mt 2<br>ft 6.56 | mt 4<br>ft 13.12 | mt 6<br>ft 19.68 | mt 8<br>ft 26.25 | mt 10<br>ft 32.81 |        |
|--------|-----------------|------------------|------------------|------------------|-------------------|-------------------|-----------------|------------------|------------------|------------------|-------------------|--------|
| 3000 K | 23400           | 5850             | 2600             | 1463             | 936               | lux center (lx)   | 7920            | 1980             | 880              | 495              | 317               | 3000 K |
|        | 2175            | 544              | 242              | 136              | 87                | foot candles (fc) | 736             | 184              | 82               | 46               | 29                | 3000 K |
| 4000 K | 30560           | 7640             | 3396             | 1910             | 1222              | lux center (lx)   | 10340           | 2585             | 1149             | 646              | 414               | 4000 K |
|        | 2840            | 710              | 316              | 178              | 114               | foot candles (fc) | 961             | 240              | 107              | 60               | 38                | 4000 K |
| 5600 K | 38560           | 9640             | 4284             | 2410             | 1542              | lux center (lx)   | 12960           | 3240             | 1440             | 810              | 518               | 5600 K |
|        | 3584            | 896              | 398              | 224              | 143               | foot candles (fc) | 1204            | 301              | 134              | 75               | 48                | 5600 K |
|        | 53              | 105              | 158              | 211              | 263               | diameter (cm)     | 107             | 214              | 322              | 429              | 536               |        |
|        | 1.73            | 3.46             | 5.18             | 6.91             | 8.64              | diameter (ft)     | 3.52            | 7.03             | 10.55            | 14.07            | 17.58             |        |

## PHOTOMETRIC DATA OPTICAL GROUP 25-50

### BEAM ANGLE 21°

### BEAM ANGLE 46°

|        | mt 2<br>ft 6.56 | mt 4<br>ft 13.12 | mt 6<br>ft 19.68 | mt 8<br>ft 26.25 | mt 10<br>ft 32.81 |                   | mt 2<br>ft 6.56 | mt 4<br>ft 13.12 | mt 6<br>ft 19.68 | mt 8<br>ft 26.25 | mt 10<br>ft 32.81 |        |
|--------|-----------------|------------------|------------------|------------------|-------------------|-------------------|-----------------|------------------|------------------|------------------|-------------------|--------|
| 3000 K | 16308           | 4077             | 1812             | 1019             | 652               | lux center (lx)   | 3960            | 990              | 440              | 248              | 158               | 3000 K |
|        | 1516            | 379              | 168              | 95               | 61                | foot candles (fc) | 368             | 92               | 41               | 23               | 15                | 3000 K |
| 4000 K | 21280           | 5320             | 2364             | 1330             | 851               | lux center (lx)   | 5160            | 1290             | 573              | 323              | 206               | 4000 K |
|        | 1978            | 494              | 220              | 124              | 79                | foot candles (fc) | 480             | 120              | 53               | 30               | 19                | 4000 K |
| 5600 K | 26760           | 6690             | 2973             | 1673             | 1070              | lux center (lx)   | 6520            | 1630             | 724              | 408              | 261               | 5600 K |
|        | 2487            | 622              | 276              | 155              | 99                | foot candles (fc) | 606             | 151              | 67               | 38               | 24                | 5600 K |
|        | 74              | 148              | 222              | 297              | 371               | diameter (cm)     | 170             | 340              | 509              | 679              | 849               |        |
|        | 2.43            | 4.86             | 7.30             | 9.73             | 12.16             | diameter (ft)     | 5.57            | 11.14            | 16.71            | 22.28            | 27.85             |        |