

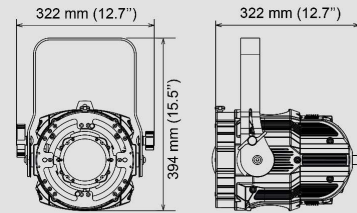
SOPRANO 5 WH



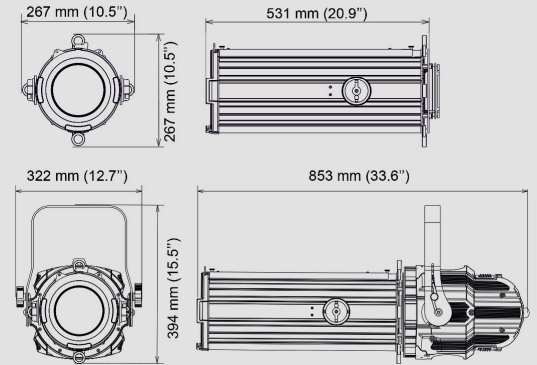
THE UN-CONVENTIONAL
ELLIPSOIDAL PROJECTOR WITH
POWERFUL WHITE SOURCE



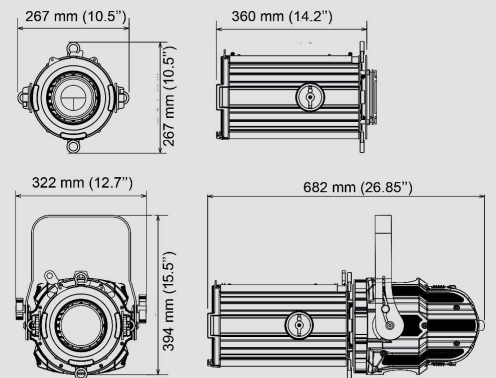
LED ENGINE



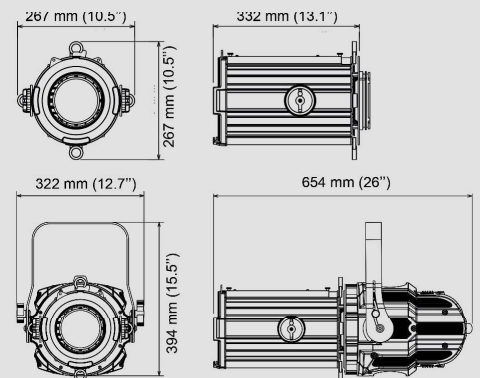
OPTICAL GROUP 8-20



OPTICAL GROUP 15-30



OPTICAL GROUP 25-50



FEATURES



OPTIONALS

CERTIFICATIONS



CODES

LED ENGINE

3000 K - 03.TSP102.49
4000 K - 03.TSP104.49
5700 K - 03.TSP103.49

OPTICAL GROUP

15-30 - 03.TSP900.49
25-50 - 03.TSP901.49
08-20 - 03.TSP902.49



TECHNICAL DATA

OUTPUT

- Single white 3000 K LED source
 - Lumens Output: 7,100 lm (Optical group 8-20)
 - Lumens Output: 8,100 lm (Optical group 15-30)
- CRI >95
- Single white 5700 K LED source
 - Lumens Output: 8,500 lm (Optical group 8-20)
 - Lumens Output: 9,900 (Optical group 15-30)
 - Lumens Output: 11,800 (Optical group 25-50)
 - CRI: >95
- Also available with 4000 K LED
 - Lumens Output: 7,300 lm (Optical group 8-20)
 - Lumens output: 8,600 lm (Optical group 15-30)
 - Lumens output: 10,100 lm (Optical group 25-50)
 - CRI: >95
- LED Lifespan: 20,000 hours (70% lumen output)

OPTICAL GROUP

- Changeable optics (*Led engine and optical group are sold separately*)
- Optical Group 8-20
 - 8°- 19° linear zoom
- 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

DIMMER

- PWM Dimming technology

CONTROL

- LCD graphic display + Jog Shuttle
- RDM/DMX 512 protocols
- 'Standard', 'Silent', 'Ultra Silent' and 'Automatic' fan modes
- Noise level
 - Standard: 30dBA @ 1m (normal operation, 100% power)
 - Silent: 26dBA @ 1m (normal operation, 100% power)
 - Ultra Silent: 25dBA @ 1m (normal operation, 90% power)
 - Automatic: fans adapt to operational status (output power priority)
- Firmware updatable via DTS firmware uploader dongle

DMX

- 4 DMX channels (Default)
 - Shutter, Dimmer 16bit and Fixture Control channel.
- 1DMX channel - Dimmer 8bit
- "Fine" mode - Dimmer 16bit

POWER SUPPLY

- Wide range 100/240 Vac 50-60 Hz
- Power consumption: 260 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: - 7.7 Kg (17 lbs)
- Optical group weight:
 - 8-20: 7 Kg (15.4 lbs)
 - 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 + Soft Edge filter holder (03.TA230)
- Gobo2 + Frost filter holder (03.TA231)
- Indexable Gobo2 holder (03.TA232)
- 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)
- Aliscaf clamp for Ø 48-51 mm tube-max load 100 Kg 8code 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 8-20

BEAM ANGLE 8°

BEAM ANGLE 19°

	BEAM ANGLE 8°					BEAM ANGLE 19°						
	mt 2 ft 6.56	mt 4 ft 13.12	mt 6 ft 19.68	mt 8 ft 26.25	mt 10 ft 32.81	mt 2 ft 6.56	mt 4 ft 13.12	mt 6 ft 19.68	mt 8 ft 26.25	mt 10 ft 32.81		
3000 K	6000	15000	6670	3750	2400	lux center (lx)	29200	7300	3250	1830	1170	3000 K
	5576	1394	620	349	223	foot candles (fc)	2714	678	302	170	109	
4000 K	64000	16000	7120	4000	2560	lux center (lx)	30400	7600	3380	1900	1220	4000 K
	5948	1487	661	372	238	foot candles (fc)	2825	706	314	177	113	
5700 K	70000	17500	7780	4380	2800	lux center (lx)	34400	8600	3830	2150	1380	5700 K
	6506	1626	723	407	260	foot candles (fc)	3197	799	355	200	128	
	29	57	86	115	143	diameter (cm)	67	134	201	268	335	
	0.94	1.88	2.82	3.76	4.70	diameter (ft)	2.20	4.39	6.59	8.78	10.98	

PHOTOMETRIC DATA OPTICAL GROUP 15-30

BEAM ANGLE 15°

BEAM ANGLE 30°

	BEAM ANGLE 15°					BEAM ANGLE 30°						
	mt 2 ft 6.56	mt 4 ft 13.12	mt 6 ft 19.68	mt 8 ft 26.25	mt 10 ft 32.81	mt 2 ft 6.56	mt 4 ft 13.12	mt 6 ft 19.68	mt 8 ft 26.25	mt 10 ft 32.81		
3000 K	37200	9300	4133	2325	1488	lux center (lx)	12400	3100	1378	775	496	3000 K
	3457	864	384	216	138	foot candles (fc)	1152	288	128	72	46	
4000 K	39200	9800	4360	2450	1568	lux center (lx)	13700	3450	1520	855	550	4000 K
	3643	911	405	228	146	foot candles (fc)	1271	318	141	79	51	
5700 K	42644	10666	4740	2667	1707	lux center (lx)	15540	3885	1727	971	622	5700 K
	3965	991	441	248	159	foot candles (fc)	1444	361	160	90	58	
	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°

	BEAM ANGLE 21°					BEAM ANGLE 46°						
	mt 2 ft 6.56	mt 4 ft 13.12	mt 6 ft 19.68	mt 8 ft 26.25	mt 10 ft 32.81	mt 2 ft 6.56	mt 4 ft 13.12	mt 6 ft 19.68	mt 8 ft 26.25	mt 10 ft 32.81		
3000 K	25200	6300	2800	1575	1008	lux center (lx)	6000	1500	667	375	240	3000 K
	2342	586	260	146	94	foot candles (fc)	558	139	62	35	22	
4000 K	26400	6600	2940	1650	1060	lux center (lx)	6400	1600	720	400	256	4000 K
	2454	613	273	153	98	foot candles (fc)	595	149	66	37	24	
5700 K	29600	7400	3289	1850	1184	lux center (lx)	7460	1865	829	466	298	5700 K
	2751	688	306	172	110	foot candles (fc)	693	173	77	43	28	
	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	