

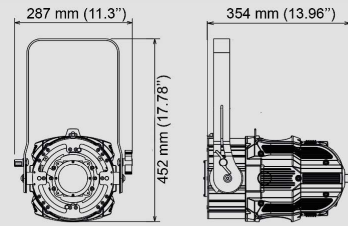
SOPRANO 3 HDW



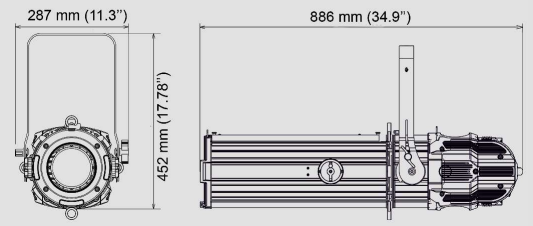
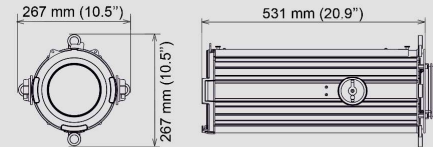
THE WHITE MANAGEMENT SYSTEM
BY DTS IN A CONVENTIONAL
ELLIPSOIDAL SPOTLIGHT



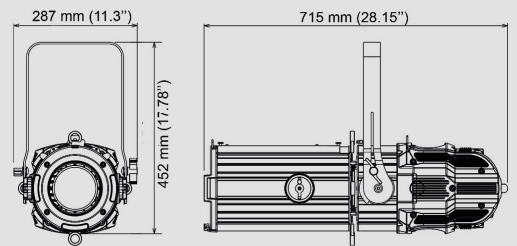
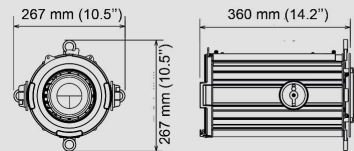
LED ENGINE



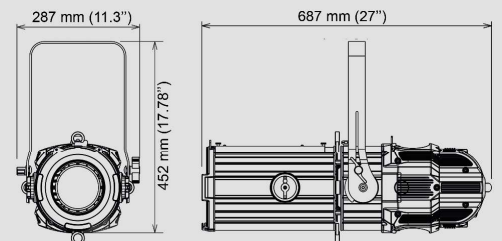
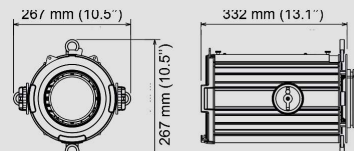
OPTICAL GROUP 8-20



OPTICAL GROUP 15-30



OPTICAL GROUP 25-50



FEATURES



OPTIONALS

CERTIFICATIONS



CODES

LED ENGINE - 03.TSP000.49

OPTICAL GROUPS

08-20 - 03.TSP902.49

15-30 - 03.TSP900.49

25-50 - 03.TSP901.49



TECHNICAL DATA

OUTPUT

- Multi chip LED Source
- Lumens output: 4,100 lm (Optical group 8-20)
- Lumens output: 5,100 lm (Optical group 15-30)
- Lumens output: 6,100 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 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

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: 24dBA @ 1m

- (normal operation, 100% power) - Silent: 23dBA @ 1m
- (normal operation, 100% power) - Ultra Silent: 22dBA @ 1m
- (normal operation, 91% power) - Automatic: fans adapt to operational status (output power priority)
- Firmware updatable via DTS firmware uploader dongle

DMX

- CCT (Default) - Dimmer 16 bit with Correlated color Temperature and Green saturation control
- Basic - Dimmer 8 bit with Correlated color Temperature control

POWER SUPPLY

- Wide range 100/240 Vac 50-60 Hz
- Power consumption: 190 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: - 6.8 Kg (15 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°

	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	31200	7800	3470	1950	1250	lux center (lx)	13600	3400	1520	850	550	3000 K
	2900	725	322	181	116	foot candles (fc)	1264	316	140	79	51	
4000 K	41200	10300	4580	2580	1650	lux center (lx)	18000	4500	2000	1130	720	4000 K
	3830	957	425	240	153	foot candles (fc)	1673	418	186	105	67	
5600 K	38800	9700	4320	2430	1560	lux center (lx)	16800	4200	1870	1050	675	5600 K
	3606	901	401	225	144	foot candles (fc)	1561	390	173	98	62	
	29	57	86	115	143	diameter (cm)	67	134	201	268	335	
	0.94	1.88	2.82	3.76	4.70	diameter (ft)	2.2	4.39	6.59	8.78	10.98	

PHOTOMETRIC DATA OPTICAL GROUP 15-30

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	15200	3800	1689	950	608	lux center (lx)	6400	1600	711	400	256	3000 K
	1413	353	157	88	57	foot candles (fc)	595	149	66	37	24	
4000 K	20400	5100	2267	1275	816	lux center (lx)	8400	2100	933	525	336	4000 K
	1896	474	211	118	76	foot candles (fc)	781	195	87	49	31	
5600 K	19200	4800	2133	1200	768	lux center (lx)	8000	2000	889	500	320	5600 K
	1784	446	198	112	71	foot candles (fc)	743	186	83	46	30	
	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 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	12000	3000	1333	750	480	lux center (lx)	3400	850	378	213	136	3000 K
	1115	279	124	70	45	foot candles (fc)	316	79	35	20	13	
4000 K	15000	3750	1667	938	600	lux center (lx)	4400	1100	489	275	176	4000 K
	1394	349	155	87	56	foot candles (fc)	409	102	45	26	16	
5600 K	14200	3550	1578	888	568	lux center (lx)	4200	1050	467	263	168	5600 K
	1320	330	147	82	53	foot candles (fc)	390	98	43	24	16	
	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	