

TENORE 5 HQS

Thanks, its multi-chip source technology, the Tenore 5 HQS offers superior light quality, both white with an optimal Colour Rendering Index of **98**, Television Lighting Consistency Index of **96** and saturated colours palette with **100** gel filter presets.

The Tenore 5 HQS is part of the DTS product family with 6-color LED-Multi-chip source together with its small brother Tenore 3 HQS, the Soprano 3 and 5 HQS family and the Alchemy series.

These products are calibrated one by one with a sophisticated calibration software owned by DTS, reaching very high levels of colour homogeneity and consistency, characteristics that every Light Designer or Director of Photography would like to have.

With its sleek and compact design with only 9,3 kg, the Tenore 5 HQS projector is perfect for any space, whether it be a small meeting room or a large auditorium. Its advanced features and superior light quality make it the ideal choice for professional installations where performance and reliability are paramount.

Overall, the Tenore 5 HQS sets the standard for quality and performance in the world of Fresnel Lights Technology, making it a top choice for Theatre, Auditorium, Conference Hall, TV studio and Virtual Production Sets.

The Tenore 5 HQS, is an ideal choice for anyone who needs a powerful, flexible and high-quality light source. With its high performance and reliability, it is a product that will certainly satisfy the most demanding needs of the professional lighting sector.

Thanks to the advanced technology and the quality of the materials used, the Tenore 5 HQS is a resistant and reliable product, capable of guaranteeing excellent performance over time. Furthermore, its compact and lightweight design makes it easy to transport and install, allowing it to be adapted to different lighting needs.

Last but not least, it is completely designed and assembled in Italy, in the DTS production factory in the province of Rimini.



APPLICATIONS

Theatres, TV Studios, Virtual Production Studios, Auditoriums, Conference Rooms

FEATURES



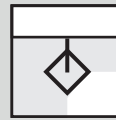
CERTIFICATIONS



FINITURES



TENORE 5 HQS Rev. 08.2025

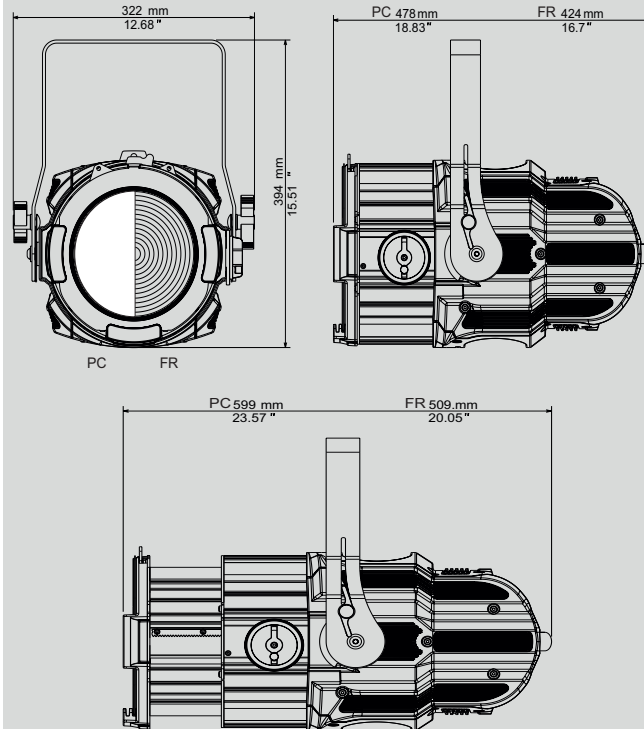


FRESNEL / PC LENS
BRACKET INSTALLATION
FULL COLOR



FAMILY

SOPRANO	1	3	5
HQS			●
HDW			
WH			



SKILLS

- High-quality multichip LED source
- Flexible optical system with linear zoom
- Advanced color mixing with 6-color LED engine
- Hi-Q linear, step-free dimmer
- Silent operation and smart thermal management
- Professional and updatable control system
- Low power consumption and high efficiency
- Robust build and professional finishes



CODE

03.TTN 100 HQS 49 BLACK .F FRESNEL
65 WHITE .A PC



TECHNICAL DATA

OUTPUT

- Multi chip LED Source
- Lumens output: 9900 lm (Fresnel lens)
- Lumens output: 7180 lm (PC lens)
- CRI: up to 98
- TLCI: up to 96
- LED Lifespan: 50000 hours (L70B10)

OPTICAL GROUP

- Ø 175 mm Fresnel lens or Antihalo (PC) lens
- Ø 150 mm PC lens
- Linear zoom:
 - 12° - 62° with Fresnel lens
 - 6.5° - 45° with PC lens

COLOR GENERATION

- 6-color LED engine
- Linear CCT (1800 K - 10000 K)
- Linear 'Green saturation'
- 100 gel filters emulation:
 - Linear crossfade from gel filters emulation to CCT whites
 - Linear crossfade between emulated gel filters
 - True color of gel filters emulation at any CCT values
- "Raw" RGBACL color-mixing in Advanced' mode

DIMMER

- 'Hi-Q Dimming' technology – guarantees a perfect linearity in the increase / attenuation of brightness of multi-chip LED sources, even at low dimming levels, without visible 'steps' between adjacent values
- Tungsten emulation - CCT variation emulates behavior of Halo-lamps

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, 72% power)
 - Ultra Silent: 26dBA @ 1m (normal operation, 57% power)
 - Automatic: fans adapt to operational status (output power priority)
- Firmware updatable via DTS firmware uploader dongle

DMX

- 5 DMX modes:
 - CCT (Default) - Correlated Color Temperature
 - Advanced - Correlated Color Temperature + Raw control for color channels RGBACL
 - Basic - Correlated Color Temperature with priority on Gel Library and RGBACL color
 - Expo - Dimmer 8 bit; Correlated Color Temperature priority on Gel Library
 - CMY Emulation - Cyan, Magenta, Yellow and CTO emulation Mode

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

TEMPERATURE

- Operating: -10° +45° C
- Storage: -20° +60° C

PHYSICAL

- Weight:
 - FR - 9,3 Kg (20,5 lbs)
 - PC - 10,4 Kg (22,9 lbs)
- Finishing: Black - White
- IP rating: IP20

TEST AND CERTIFICATION

- CE

ACCESSORIES

ACCESSORIES INCLUDED

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

ACCESSORIES ON REQUEST

- Barndoor 4 leaf Black finishing (code 03.TBD07.49)
- Barndoor 8 leaf Black finishing (code 03.TBD09.49)
- Tophat (code 03.TA235)
- Outdoor DMX cable 2 x 0,25 mm2 - Flame retardant (code 0509C158)
- Aliscap 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

		mt 2 ft6.56	mt 4 ft 13.12	mt 6 ft 19.68	mt 8 ft 26.25	mt 10 ft 32.81	
FRESNEL	3000K	25156	6289	2795	1572	1006	lux center (lx)
		2338	584	260	146	94	foot candles (fc)
	4000K	31892	7973	3544	1993	1276	lux center (lx)
		2964	741	329	185	119	foot candles (fc)
	5600K	40072	10018	4452	2504	1603	lux center (lx)
		3724	931	414	233	149	foot candles (fc)
	BEAM ANGLE 12°	42	84	126	168	210	diameter (cm)
		1,38	2,76	4,14	5,52	6,90	diameter (ft)

		mt 2 ft6.56	mt 4 ft 13.12	mt 6 ft 19.68	mt 8 ft 26.25	mt 10 ft 32.81	
FRESNEL	3000K	3353	838	373	210	134	lux center (lx)
		312	78	35	19	12	foot candles (fc)
	4000K	4250	1063	472	266	170	lux center (lx)
		395	99	44	25	16	foot candles (fc)
	5600K	5313	1328	590	332	213	lux center (lx)
		494	123	55	31	20	foot candles (fc)
	BEAM ANGLE 62°	240	481	721	961	1202	diameter (cm)
		7,89	15,77	23,66	31,54	39,43	diameter (ft)

		mt 2 ft6.56	mt 4 ft 13.12	mt 6 ft 19.68	mt 8 ft 26.25	mt 10 ft 32.81	
PC	3000K	34650	8663	3850	2166	1386	lux center (lx)
		3220	805	358	201	129	foot candles (fc)
	4000K	45680	11419	5075	2855	1827	lux center (lx)
		4245	1061	472	265	170	foot candles (fc)
	5600K	57850	14456	6425	3614	2313	lux center (lx)
		5374	1344	597	336	215	foot candles (fc)
	BEAM ANGLE 6,5°	23	45	68	91	114	diameter (cm)
		0,38	1,49	2,24	2,98	3,73	diameter (ft)

		mt 2 ft6.56	mt 4 ft 13.12	mt 6 ft 19.68	mt 8 ft 26.25	mt 10 ft 32.81	
PC	3000K	4730	1190	530	295	189	lux center (lx)
		439	110	49	27	18	foot candles (fc)
	4000K	6300	1580	700	394	252	lux center (lx)
		586	146	65	37	23	foot candles (fc)
	5600K	7900	2000	880	495	315	lux center (lx)
		732	183	81	45	29	foot candles (fc)
	BEAM ANGLE 45°	166	331	497	663	828	diameter (cm)
		5,44	10,87	16,31	21,74	27,18	diameter (ft)

for more data scan the front page QR code