

SYNERGY5 SPOT

This 420W LED projector, with a 7000 K color temperature and 16,500 lumen output, is designed for professional applications requiring brightness, dynamic effects, and advanced color control. It features DMX-selectable dual CRI (CRI >90 or >75) and an average LED life of 50,000 hours (L70B10).

The 5.5°–43° linear zoom with autofocus, combined with the CMY + CTO color system (3000–7000 K) and 6-position color wheel, enables smooth and precise beam shaping. Effects include fixed and rotating gobos, two prisms (24-facet and 6-facet), and a virtual animation wheel for impactful visual scenes.

Control is via DMX, Art-Net 4, sACN, and RDM, with Standard and Silent operating modes (only 37 dBA at 1 m), and an LCD display with backup battery. Pan/Tilt movement is fast and accurate (16-bit), with lock function and selectable speed ranges.

Robust and reliable, the unit includes built-in protections against overvoltage and overheating, supports wide-range power input (100–277 Vac), and comes with professional connectors including powerCON TRUE1 and etherCON RJ45. Weight: 35 kg. CE certified.



APPLICATIONS

Live shows and theatrical performances: Delivers a powerful and precise beam with dynamic effects (gobos, prisms, animations), ideal for lighting sets, actors, and dancers with great visual impact.

TV productions and film studios: Thanks to DMX-selectable dual CRI (up to >90) and stable color rendering, it ensures accurate color reproduction and high-quality images for HD/4K filming.

Corporate events and conferences: Fast and flexible zoom, silent operation, and Art-Net/DMX connectivity allow for professional lighting of stages and speakers without disturbing the environment.

Concerts and tours: Customizable visual effects and high luminous output make this projector ideal for large indoor and outdoor venues, with shows synchronized to music and choreography.

Museum installations and galleries: Silent operation (37 dBA) and detailed beam quality are perfect for enhancing artworks and exhibits without affecting the visitor experience.

Trade shows and product presentations: Excellent color control, filter versatility, and high light quality make this unit ideal for highlighting products, booths, and display areas.

Theme park shows and attractions: Dynamic effects, DMX/Art-Net integration, and a robust structure make it well-suited for immersive scenic designs and themed indoor environments.

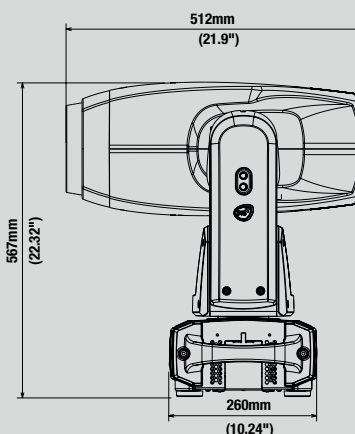
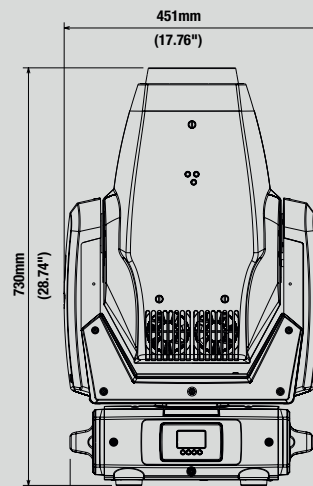


WHITE SOURCE LED
MOVING HEAD
WITH FRAMING SYSTEM



FAMILY

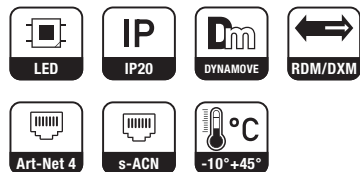
SYNERGY	5	5 SPOT	6	6 HI CRI	7	7 HI CRI



SKILLS

- High-efficiency 420W LED source
- Dual CRI selectable via DMX
- Motorized zoom 5.5°–43° with autofocus
- CMY + linear CTO color system (3000–7000 K)
- Complete dynamic effects
- Versatile and updatable control
- Silent operation modes
- Precise and fast Pan/Tilt movement
- Robust and protected construction
- Professional connectivity and universal power supply

FEATURES



CERTIFICATIONS



CODE

03.MS022

FINITURES



03.MS022 Rev. 02.2025



MADE IN
ITALY

TECHNICAL DATA

OUTPUT

- 420 W pure white LED source: 7000 K - 16,500 Lumen output
- Double CRI (DMX-selectable): CRI >90 or CRI >75
- Average LED life: 50000 hours (L70B10)

OPTICAL GROUP

- 48,500 Lux (5.5°@ 5 m)
- 5.5° - 43° linear zoom with autofocus
- Linear Soft frost filter (Medium and Heavy filter available on demand)
- Electronic dimmer / shutter / strobe (0.3 to 33.3 flash/sec)

COLOR GENERATION

- Linear CMY
- Linear CTO (3000 K – 7000 K)
- Gel filter emulation
- 6-color wheel
- Two-color generation

DYNAMIC EFFECTS

- Dynamove FX Engine (DTS Patent)
- Virtual Animation Wheel
- Customizable rotating 6-gobo wheel
- Fixed 13-gobo wheel
- Circular 24-facet rotating prism
- Linear 6-facet rotating prism

CONTROL

- LCD graphic display + 4 soft-keys; Auto-fl ip; Key-lock function
- Art-Net 4, sACN, RDM/DMX protocols
- Standard and Silent operation modes
- Noise level at Silent mode: 34dBA @ 1m (normal operation, full power)
- Firmware updatable via DTS firmware uploader dongle
- Li-Fe backup battery for controlling the display settings even when the unit is not powered

DMX

- 37 DMX channels

PAN & TILT

- Pan: 540°: 2.7 sec.
- Tilt: 240°: 1.6 sec.
- Tri-phase stepper motor technology
- 16-bit resolution
- Selectable speed ranges
- Pan / Tilt lock

POWER SUPPLY

- Wide-range 100-277 Vac 50 / 60 Hz
- Power consumption: 550 W max
- Power Factor: PF >0.90

CONNECTIONS

- DMX: XLR 3-pole and 5-pole In / Out panel connectors
- Power supply: powerCON TRUE1 panel connector
- Art-Net / sACN: etherCON RJ45 panel connector

CIRCUITS PROTECTIONS

- Overvoltage and overtemperature circuits protection

TEMPERATURE

- Operating: -10° +45° C C

PHYSICAL

- Finishing: Black
- Weight: 35 Kg (77 lbs)
- IP rating: IP20

TEST AND CERTIFICATION

- CE

ACCESSORIES

ACCESSORIES INCLUDED

- Cover L580XW490XH80 - SYNERGY 5/6 (code 0512K166.1)
- Base L580XW490XH70 - SYN 5/6-ALC 5 (code 0512K166.3)
- 1 x Soft frost filter - already mounted on the unit (code 02SK0410)
- 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)
- 2 x Kit Omega clamp "Fast Lock" (code 02K00549)

ACCESSORIES ON REQUEST

- Medium frost filter (code 02SK0428)
- Heavy frost filter (code 02SK0430)
- Flightcase for 2 units (code 0521C073)
- Aliscaf clamp for tube diameter 48-51 mm - max. load. 200 Kg (code 0521A033)
- G-QUICK clamp Professional - max. load 100 Kg (code 0521A037)
- Outdoor DMX cable 2 x 0,25 mm2 - Flame retardant (code 0509C158)
- Safety cable 5 x 600 mm - max capacity load 60 Kg (code 0521A038)
- DTS firmware uploader dongle (code 03.LA.206)

PHOTOMETRIC DATA

		mt 5 ft 16.4	mt 10 ft 32.81	mt 15 ft 49.21	mt 20 ft 65.62	mt 25 ft 82.02	
BEAM ANGLE 4,6°	Full RGBW	49940	12485	5549	3121	1998	lux center (lx)
		4641	1160	516	290	186	foot candles (fc)
	Beam angle	40	80	120	161	201	diameter (cm)
		1.32	2.64	3.95	5.27	6.59	diameter (ft)

		mt 3 ft 9.84	mt 6 ft 19.68	mt 9 ft 29.53	mt 12 ft 39.37	mt 15 ft 49.21	
BEAM ANGLE 43,1°	Full RGBW	4119	1030	458	257	165	lux center (lx)
		383	96	43	24	15	foot candles (fc)
	Beam angle	236	473	709	945	1182	diameter (cm)
		7.75	15.51	23.26	31.02	38.77	diameter (ft)