

# SYNERGY 7

## PROFILE Hi-CRI

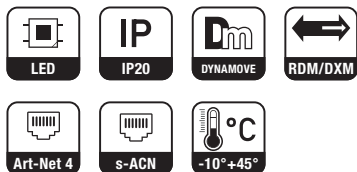
High-performance 1050 W LED projector, ideal for theatres, TV studios, live events, and professional installations. It delivers 31,500 lumens of luminous output, motorized 7°–52° zoom with autofocus, dual prism, customizable gobo wheels, and a 4-blade framing system. With excellent color rendering (CRI >95, TLCI >95) and ultra-silent mode (36 dBA), it's also perfect for noise-sensitive environments. Fully compatible with major control protocols (DMX, RDM, Art-Net, sACN), it offers maximum flexibility and precision in every application.



### APPLICATIONS

**Theatres and musicals:** For precise, silent and dynamic lighting effects, essential during live performances.  
**Television and broadcast studios:** High color rendering (CRI >95 and TLCI >95), ideal for high-quality video recording.  
**Concerts and live tours:** Powerful light output, zoom and framing system perfect for large stages and complex scenic setups.  
**Corporate events and trade shows:** Professional look, versatile optics and remote control, ideal for temporary installations and branding.  
**Indoor architectural installations:** Dynamic effects and long-term reliability to enhance spaces like museums, churches or historical venues.  
**Theme park shows:** DMX/RDM control, animated effects and mechanical robustness for synchronized, repeated shows.  
**Fashion shows and runways:** Precise beam and natural color rendering to highlight fabrics and details under spotlights.  
**Museums and exhibitions:** Ultra-silent operation and fine light adjustment for controlled display environments.

### FEATURES



### FINITURES



SYNERGY 7 PROFILE HI-CRI Rev. 04.2025

### CERTIFICATIONS

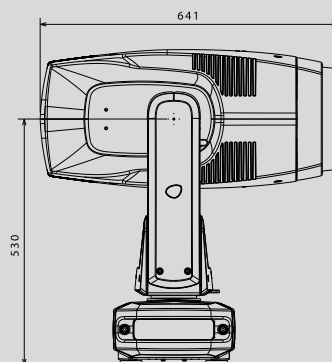
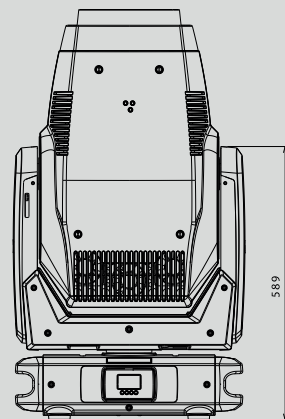


WHITE SOURCE LED  
 MOVING HEAD  
 WITH FRAMING SYSTEM



### FAMILY

| SYNERGY | 5 | 5 SPOT | 6 | 6 HI CRI | 7 | 7 HI CRI |
|---------|---|--------|---|----------|---|----------|
|         |   |        |   |          |   | ●        |



### SKILLS

- 1050 W LED – 31,500 lumens
- High color rendering (CRI >95, TLCI >95)
- 7°–52° linear zoom with autofocus
- 4 rotating blade shutter system
- 2 customizable rotating gobo wheels
- Dual prism (24-facet circular + 6-facet linear)
- Ultra-silent mode (36 dBA @ 1 m)
- Advanced control: DMX, RDM, Art-Net, sACN
- Pan 540° / Tilt 260° with 16-bit resolution
- LCD display with backup battery

### CODE

03.MP003.H



MADE IN ITALY

## TECHNICAL DATA

### OUTPUT

- 1050 W pure white LED source (6000 K 31,500 Lumens output)
- CRI >95
- R9>90
- TLCI>95
- Average LED life: 50000 hours (L70B10)

### OPTICAL GROUP

- 55,000 Lux (7°@ 5 m)
- 7° - 52° linear zoom with autofocus
- Linear Frost filter
- Electronic dimmer / shutter / strobe (0.3 to 33.3 flash/sec)

### COLOR GENERATION

- Linear CMY
- Linear CTO (3000 K - 7000 K)
- Gel filter emulation
- 4-color wheel (white correction + UV)
- 5-color wheel (two-color generation)

### IRIS

- Linear 16-blade Iris (15% ÷ 100%)

### DYNAMIC EFFECTS

- Dynamove FX Engine (DTS patent)
- Virtual Animation Wheel
- 2 customizable rotating 6-gobo wheel
- Circular 24-facet rotating prism
- Linear 6-facet rotating prism

### ROTATING FRAMING SYSTEM

- 4-blade rotating framing system
- Real 'curtain' effect for each blade
- 60° rotation for each blade (+/- 30°)
- 90° full system rotation (+/- 45°)

### USER INTERFACE

- LCD graphic display + 4 soft-keys; Auto-flip; Key-Lock function
- Li-Fe backup battery for controlling the display settings even when the unit is not powered

### CONTROL

- Art-Net 4, sACN, RDM/DMX 512 protocols
- 52 DMX channels (Default)
- 61 DMX channels:
  - 16 bit index for insertion and rotation of each blade
  - 16 bit index for blade system rotation
- Standard, Silent, Ultra-silent operation modes:
  - Noise level at Ultra-silent mode 36dBA @ 1m (normal operation, full power)
- Internal operating system updatable via DTS dongle firmware uploader

### PAN & TILT

- Pan: 540°
- Tilt: 260°
- Tri-phase stepper motor technology
- 16-bit resolution
- Pan / Tilt lock

### POWER SUPPLY

- Wide range 100-240Vac 50-60 Hz
- Power consumption: 1400 W max
- Power Factor: PF >0.90

### CONNECTIONS

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

### INTERNAL PROTECTION DEVICES

- Overvoltage and overtemperature circuits protection
- Auto-parking: internal collision protection system

### OPERATING TEMPERATURE

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

### PHYSICAL

- Finishing: Black
- Weight: 46.5 Kg (102.5 lbs)
- IP rating: IP20

### TEST AND CERTIFICATION

- CE

## ACCESSORIES

### ACCESSORIES INCLUDED

- 1x powerCON TRUE1 female cable connector (code 0520P066)
- 2 x Kit Omega clamp "Fast Lock" (code 02K00549)

### ACCESSORIES ON REQUEST

- Flightcase for 1 units (code 0521C080)
- Aliscaf clamp for tube diameter 48-51 mm - max. load. 200 Kg (code 0521A033)
- G-QUICK clamp Professional - max. load 100 Kg (code 0521A037)
- 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<br>ft 16.40 | mt 10<br>ft 32.81 | mt 15<br>ft 49.21 | mt 20<br>ft 65.62 | mt 25<br>ft 82.02 |
|---------------|---------------------|------------------|-------------------|-------------------|-------------------|-------------------|
| BEAM ANGLE 7° | lux center ( lx )   | 55000            | 13750             | 6111              | 3438              | 2200              |
|               | Foot candles ( ft ) | 5112             | 1278              | 568               | 319               | 204               |
|               | Diameter cm         | 61               | 122               | 183               | 245               | 306               |
|               | Diameter ft         | 2,01             | 4,01              | 6,02              | 8,03              | 10,03             |

|                |                     | mt 3<br>ft 9.84 | mt 6<br>ft 19.68 | mt 9<br>ft 29.53 | mt 12<br>ft 39.37 | mt 15<br>ft 49.21 |
|----------------|---------------------|-----------------|------------------|------------------|-------------------|-------------------|
| BEAM ANGLE 52° | lux center ( lx )   | 6389            | 1597             | 710              | 399               | 256               |
|                | Foot candles ( ft ) | 594             | 148              | 66               | 37                | 24                |
|                | Diameter cm         | 293             | 587              | 880              | 1173              | 1466              |
|                | Diameter ft         | 9,60            | 19,20            | 28,80            | 38,40             | 48,00             |