

# SYNERGY7

PROFILE 7



POWER and ELEGANCE  
finally TOGETHER

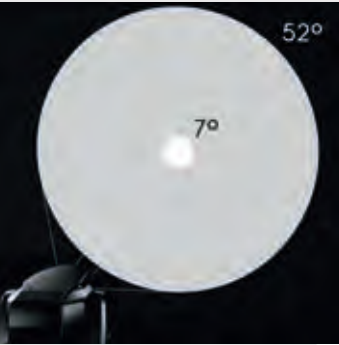
# SYNERGY7

PROFILE



Introducing “**the stallion**”:  
Our new profile moving head that offers  
power, stylish design and great versatility.

# MAIN FEATURES



## 55,000 LUMENS: INCREDIBLE OUTPUT, WIDE ZOOM RANGE

Get ready for a whole new lighting experience with the new Synergy 7. Discover the power of its 1050 W pure white LED source (7000 K 55,000 Lumens output) and a massive 101,000 Lux luminosity (7° @ 5 m). Enjoy the wider, custom-designed 7° to 52° zoom system with auto focus, evenly diffused and flat beam.

## STUNNING EFFECTS

The two gobo wheels can work together or singularly, including a new “mosaic” feature for multicolor effects.

A newly added filter wheel contains several filters that improve the use of white light on both objects and people.



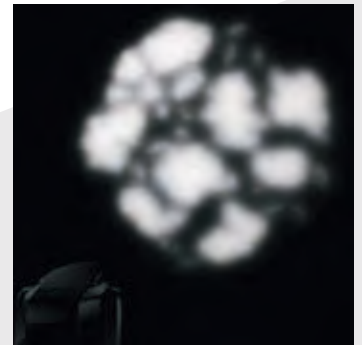
## EXCEPTIONALLY SILENT OPERATING MODE

The efficient dissipation system ensures a constant silent operation. At maximum intensity the measured noise level is only **36 dBA @ 1 m (fans setting = Ultra-Silent)**.

You can switch directly from Ultra-Silent mode to Silent or Standard via DMX.

## FOCUS IN, FOCUS OUT

Synergy 7's gobos are perfectly focused at any zoom angle and any distance, even when framed. The linear Frost filter allows you to gradually move from hard-edge to soft-edge projections. The high quality lenses and frost filter make available working with gobos even when they are frosted or out of focus.



## ADVANCED DIMMING FUNCTIONS

Synergy 7 Profile has been implemented with two new functions in order to optimize camera shootings in terms of dimming and flickering.

The Hybrid Dimming improves the dimmer response curve in terms of flickering, effectively removing it.

On the other hand, the Frequency Fine function allows the fine tuning of the LED's output frequency at any given value.

# SYNERGY RANGE FEATURES



## ROTATING FRAMING SYSTEM WITH INTEGRATED IRIS

The framing system features 4 blades operating on 4 discrete planes.

This setup allows each blade to fully enter / exit the visual field with a real 'curtain' effect, and rotate 60° (+/- 30°). Also the whole framing system can rotate 90° (+/- 45°).

Furthermore, the Iris allows to reduce the beam opening at greater distances.

## SELECTABLE CRI >90 OR >75

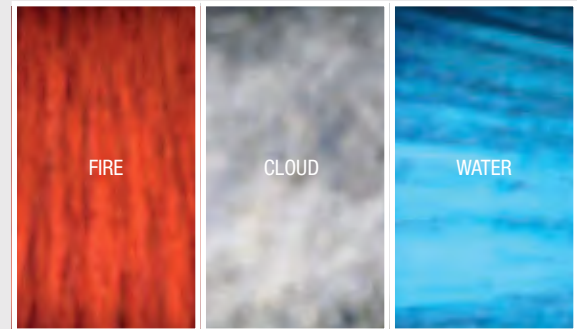
SYNERGY 7 PROFILE offers two CRI options (DMX-selectable):

- CRI >90 for life-like colors and beautifully natural skin tone in theatre and TV shootings;
- CRI >75 for a terrific luminosity up to 55,000 lumens

## DYNAMOVE FX ENGINE AND VIRTUAL ANIMATION WHEEL

Dynamove is an FX engine which delivers a range of stunning 3D-like dynamic animation effects. Powerful macros put at your fingertips a variety of ready-to-use multi-layer lighting effects.

Virtual Animation Wheel replaces the classic animation wheel, and lets you create a range of outstanding dynamic backgrounds.



## ADVANCED COLOR MIXING AND HI-Q DIMMING

The right color for your lighting design is always at hand. Just choose it in the built-in virtual color palette of gel filters emulation. The 'Hi-Q Dimming' technology guarantees a perfect linearity in the increase / attenuation of brightness of multi-chip white LED sources – even at low dimming levels – without 'steps' between adjacent values; light projections are therefore completely flicker-free in television shootings.

## TOTAL CONTROL & NETWORKING

Art-Net 4 and sACN are on board. Supporting the latest versions of these protocols means to be geared for the large scale installations for top-end Ethernet networks.





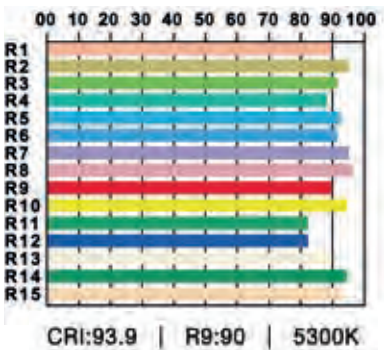
PHOTOMETRIC DATA

BEAM ANGLE 7°		mt 5 ft 16.40	mt 10 ft 32.81	mt 15 ft 49.21	mt 20 ft 65.62	mt 25 ft 82.02
	Lux Center [lx]	101000	25250	11222	6313	4040
	Foot Candles [fc]	9387	2347	1043	587	375
	Diameter [cm]	61	122	183	245	306
	Diameter [ft]	2.01	4.01	6.02	8.03	10.03

BEAM ANGLE 52°		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
	Lux Center [lx]	11389	2847	1265	712	465
	Foot Candles [fc]	1058	265	118	66	42
	Diameter [cm]	293	585	878	1171	1463
	Diameter [ft]	9.60	19.20	28.80	38.40	48.00

A FAITHFUL REPRODUCTION OF COLORS

The light generated by SYNERGY, with the Higher CRI filter inserted, has a CRI value >90, with component R9 (red) greater than 80. A high R9 value is decisive for an exact perception of any nuance. In fact, a percentage of red is present in many colors, and its accurate rendering is essential for their faithful reproduction.



OUTPUT

- 1050 W pure white LED source (7000 K 55,000 Lumens output)
- Double CRI (DMX-selectable): CRI >75 or CRI >90 (R9 > 80)
- Average LED life: 50,000 hours (70% lumen output)

OPTICAL GROUP

- 101,000 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 @ 1 m (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 connectors
- Power supply: powerCON TRUE1 panel connectors
- Art-Net / sACN: etherCON RJ45 panel connector

INTERNAL PROTECTION DEVICES

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

OPERATING TEMPERATURE

- -10° / 45° C

STORAGE TEMPERATURE

- -20° / 60° C

PHYSICAL

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

GEL FILTERS EMULATION

19 FIRE	113 MAGENTA	139 PRIMARY GREEN
20 MEDIUM AMBER	117 STEEL BLUE	147 APRICOT
25 SUNSET RED	118 LIGHT BLUE	151 GOLD TINT
68 SKY BLUE	122 FERN GREEN	154 PALE ROSE
101 YELLOW	126 MAUVE	156 CHOCOLATE
104 DEEP AMBER	132 MEDIUM BLUE	181 CONGO BLUE
105 ORANGE	136 PALE LAVENDER	200 DOUBLE CT BLUE
106 PRIMARY RED	137 LAVENDER	201 FULL CT BLUE
111 DARK PINK	138 PALE GREEN	204 FULL CT ORANGE
		341 PLUM



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