



# BARCO GALAXY

## Active Stereo DLP™ Projector, Multi-channel Optimized

Next to a wide range of high-performance stereoscopic CRT and LCD projectors, Barco presents a top of the range stereoscopic DLP™ projector, the **BARCO GALAXY**. Its capability to display SXGA active stereo signals with refresh rates up to 110 Hz, and the integration of many proprietary technologies such as OPTICAL SOFT EDGE MATCHING (OSEM) and DLP™-optimized Passive Stereo polarizers, make the BARCO GALAXY the leading product in its range for multi-channel displays.

### Unequaled Versatility

- Active stereo capabilities at **SXGA up to 110 Hz**, thanks to high-performance Pixel Map Processor and dedicated DLP™ chipsets
- Barco's **SyncLock** ensures synchronization between the Image Generator, the BARCO GALAXY projector and the stereo shutter glasses
- Impressive **205 MHz A/D conversion bandwidth** ensures compatibility with high resolution and high refresh-rate sources
- Version with integrated **proprietary WARP™** also available, offering built-in Non-Linear Image Mapping, frame rate and resolution conversion at active stereo rates
- Optional **Passive stereo optimization** with DMD™ optimized polarizers enables large-venue 3D projection

### Multi-channel Optimization

- **Proprietary OPTICAL SOFT EDGE MATCHING (OSEM)**: custom-made optical filters to achieve truly seamless blending for multichannel systems, maintaining full contrast ratio
- **Proprietary ELECTRONIC SOFT EDGE MATCHING (ESEM)**: highly-flexible and reconfigurable blending with easy set-up
- Integrated **CONSTANT LIGHT OUTPUT (CLO)**, which can be linked with other BARCO GALAXY projectors for cross-channel brightness tracking
- Optimized engine ensures **matched primary colors** and maximizes addressable multi-channel color gamut

### Superior Optics

- High contrast ratio: engine developed to achieve a **contrast ratio of 800:1** which results in extremely vivid and dynamic images
- Dedicated lens range: optimized for unequalled resolution and accurate geometry; wide throw ratio range, motorized shift range and built-in **Scheimpflug correction** result in high flexibility of installations

# Features and Specifications

## Light Output

5,000 ANSI lumens

## Brightness Uniformity

> 90% for the total screen area

## Digital Micromirror Device™

Three high resolution SXGA DMD™s

## Lamp

1.2 kW Xenon illumination system  
Typical lifetime: 1000 hours  
Max. lifetime: 1500 hours  
Linked CLO

## Contrast Ratio

800:1 (full white/full black)

## Resolution

1280 x 1024 (SXGA)

## Shift

Motorized V shift: up to 118%  
Motorized H shift: up to 71%

## Lens Type

## Throw Ratio

*Fixed Lens (Manual Focus)*

TLD (0.8:1)	0.8
TLD (1.2:1)	1.2

*Motorized Zoom and Focus*

TLD (1.6-2.0:1)	1.6 and 2.0
TLD (2.0-2.8:1)	2.0 and 2.8
TLD (2.8-5.0:1)	2.8 and 5.0
TLD (5.0-8.0:1)	5.0 and 8.0

## Noise Level

< 50 dBA

## Compatibility

- Active Stereo capabilities up to SXGA at 110 Hz
- Pixel map processor for computers and workstations with a resolution of up to 1600 x 1200 pixels
- All current video sources in Composite, S-VHS, RGB or Component or Serial Digital Format
- All currently proposed HDTV, extended and improved television standards (Eureka 95, Hi-Vision, ACTV, IDTV, EDTV,...)
- Most Macintosh computers

## Fixed Analog Inputs

2 multifunctional 5-Cables input (high band width) for the connection of

- RGB analog signals with standard sync (BNC connectors) or tri-level sync, sync on green or separate sync
- Standard Video signals
- S-VHS signals

## Communication

- RS232 or RS422 loop-through input (D9-connector) for PC based projector control
- Communication input (D9 connector) for peripherals

## Power Consumption

1600 Watts  
Power dissipation < 5500 BTU/h

## AC Power

230V (tolerance 180V - 255V)

## Weight

	kg	lbs.
Net (Body only)	45	99
Shipping weight (max.)	93	205

## Ambient temperature

Max. 45°C

## Order Information

BARCO GALAXY	R9040311
BARCO GALAXY WARP™	R9040320

## Lenses:

Manual focus

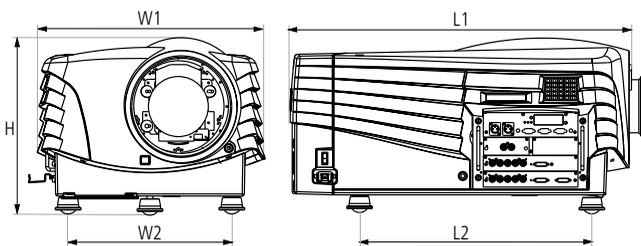
- TLD (0.8) man. R9840900
- TLD (1.2) man. R9840770

## Motorized Zoom and Focus

- TLD (1.6-2.0) mot. R9840670
- TLD (2.0-2.8) mot. R9840680
- TLD (2.8-5.0) mot. R9840690
- TLD (5.0-8.0) mot. R9840910

Frame	R9840840
New Spare Lamp	R9840740
Refurb Lamp	R9840820
Lamp power supply	R763370K
Remote	R9840170

Dimensions	inch	mm
W1	20.8	529
W2	15.0	380
H	16.0	408
L1	31.3	795
L2	21.4	545



## Barco Simulation Products

a business unit of Barco Projection Systems

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