



# ELM R12 DIRECTOR

## Ultimate Power and Brightness

Barco's ELM R12 DIRECTOR combines exceptional light output and high resolution with advanced signal processing to deliver a remarkable performance breakthrough for large screen video projection. Equipped with an innovative Digital Light Processing™ (DLP™) sub-system, and state-of-the-art optical system, the ELM R12 DIRECTOR delivers an ultra-high light output of 12,000 ANSI lumens. The Barco ELM R12 DIRECTOR offers the ultimate display solution for big and bright environments.

- **Ultra high brightness**  
12,000 ANSI lumens
- **Unique edge-blending software: SCENERGI<sup>X</sup>**  
Increase the amount of information by displaying panoramic images.  
Obtain smooth overlaps when projecting with multiple projectors.
- **High Contrast Mode**  
Enhances contrast ratio up to 900:1 for high demanding applications
- **Seamless source switching**  
Switch sources on the fly  
Use special transition effects like dissolve, wipe in/out ...
- **Modular future-proof structure**  
Allows quick set-up and easy serviceability
- **Optional Network Interface**  
Remote control & diagnostics



# ELM R12 DIRECTOR Specifications

## Light Output

12,000 ANSI lumens\*

## Brightness Uniformity

> 90% for the total screen area

## Digital MicroMirror Device™

3 high resolution SXGA DMDs

## Resolution

1280 x 1024 pixels

## Lamp

3.0 kW Xenon

Typical lifetime: 750 hours

Maximum lifetime: 1000 hours

## Contrast Ratio

Standard mode: 450:1 (full field)

High contrast mode: 900:1

## Lens Shift

Motorized V shift: up to 100%

Motorized H shift: up to 85%

## Available Lenses      Order No.

Fixed - QLD (1.2:1)      R9840120

Zoom - QLD (1.5 - 2.0:1) R9840130

Zoom - QLD (2.0 - 2.5:1) R9840140

Zoom - QLD (2.5 - 4.0:1) R9840150

Zoom - QLD (4.0 - 7.0:1) R9840160

Zoom - QLD (5.6 - 12:1) R9840430

## Remote Control

All controls are accessible through a soft-touch panel or a user-friendly back-lit infrared remote control:

- Source switching
- User settings per source
- Installation and service adjustments

## Other Features

- Seamless switching with crossfade effects
- Built-in light shutter
- Modular construction
- SCENERGI<sup>X</sup>: optional
- Network connection: optional

\* measured with QLD 1.5 - 2.0:1, on axis

## Compatibility

- Pixel map processor for computers and workstations with a resolution of up to 1600 x 1280 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
- Two digital input slots to allow for direct digital interfacing with current and future digital inputs

## Fixed Inputs

- 2 Multifunctional 5-cable inputs for the connection of RGB analogue signals with standard sync (BNC connectors) or tri-level sync, sync on green or separate sync, Standard Video signals, S-VHS signals
- 2 Multistandard DVI

## Modular Inputs

Two input slots for digital input modules:

- SDI (Serial Digital Input) (one provided standard)
- HD - SDI (optionally available)

## Power Consumption

Max. 3750 Watt

## AC Power

230 V +/-10%

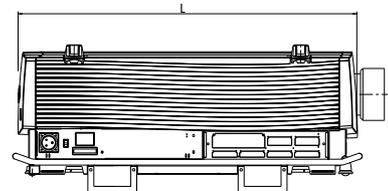
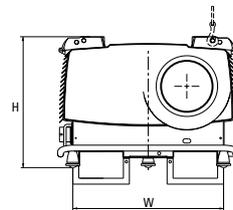
## Weight

Net weight 135 kg / 298 lbs (including rigging gear)

## Order Information

Projector body	R9002860
Spare lamp (including housing)	R9840190
Refurb lamp (returned housing)	R9840220
Video input with decoder	R9841170
SDI input card	R9840110
HD-SDI input card	R9840450
SCENERGI <sup>X</sup>	R9840870

Dimensions	inch	mm
L	55.9	1,420
W	24.9	632
H	24.6	624



BARCO Projection Systems is an ISO 9001 registered company.

The information and data given are typical for the equipment described. However any individual item is subject to change without any notice. The latest version of this Product Sheet can be found on [www.presentations.barco.com](http://www.presentations.barco.com)



**BarcoProjection - Intelligent Displays**  
 Noordlaan5 - 8520 Kuurne - Belgium  
 Fax (32) (56) 36-8651  
 E-mail: [info.presentations@barco.com](mailto:info.presentations@barco.com)

**BarcoProjection**  
 3240 Town Point Drive  
 Kennesaw, GA 30144  
 Phone 770-218-3200 Fax 770-218-3250  
 E-mail: [BP5marketing@barco.com](mailto:BP5marketing@barco.com)

[www.presentations.barco.com](http://www.presentations.barco.com)



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