



## ELM R18

### Large Screen Presentation Projector

A class leading digital presentation projector, ideal for HD digital movie screenings, effective business presentations, the big-screen sports spectacular and the most dynamic theater advertising on theater screens up to 15m (50ft) wide.

The ELM R18 - incorporating the highest resolution Texas Instruments DLP™ digital mirror technology - is the perfect way to introduce your audience to the benefits of digital screenings, and realise for yourself the business opportunities in the alternative uses of your theater.

Perfect pictures, first time, every time -whatever the application.

#### **Performance, reliability ...**

A unique modular construction with separate power supply (with built-in redundancy), quick change lamp and digital processing modules make the ELM R18 ideal for theatrical display.

While other features, including an advanced high contrast Movie-Mode for added image depth, are guaranteed to ensure superior film-like quality.

#### **...and flexibility**

Input source compatibility with any current analog and digital video input - and every known or proposed HDTV standard.

#### **Class Leading Performance**

A remarkable 17,500 centre lumen light output, for clear, bright images that easily meet SMPTE regulations on screens up to 15m wide.

#### **A lens for every situation**

An extensive range of high performance Barco prime lenses ensures the best quality pictures at any projection distance and format.



innovators in image processing

# Specifications ELM R18

## Light Output

17,500 centre lumen

## Brightness Uniformity:

> 90% for the total screen area

## Digital MicroMirror Device™

3 high resolution SXGA DMDs

## Resolution

1280 x 1024 pixels (SXGA)

## Lamp

2.8 kW Xenon

Typical lifetime: 500 hours

Maximum lifetime: 750 hours

## Contrast Ratio - full field

Standard mode - 450:1

Movie mode - 900:1

## Lens Shift

Motorized V shift: up to 35%

Motorized H shift: up to 25%

## Lens type

Anamorphic x 1.5

Fixed - LD (0.8:1)

Zoom - LD (1.5-2.5:1)

Zoom - LD (2.5-4.0:1)

Zoom - LD (4.0-7.0:1)

## Remote Control

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

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

## Other Features

- Seamless switching with cross fade effects
- Built-in light shutter
- Modular construction

## 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
- SDI input (Serial Digital Input)

## Optional Inputs

One free digital input slot for optional digital input modules:

- SDI
- HD - SDI

## Power Consumption

Max. 3750 Watt

## AC Power

230 V +-10%

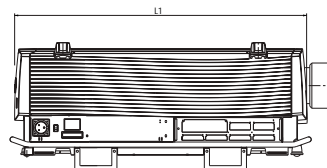
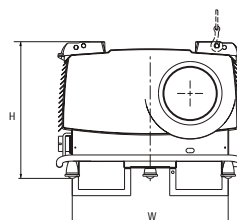
## Weight

Net weight 135 kg / 298 lbs

## Order Information

ELM R18	R9001990
Anamorphic lens 1.5	R9806140
LD (0.8:1)	R9840420
LD (1.5-2.5:1)	R9840090
LD (2.5-4.0:1)	R9840270
LD (4.0-7.0:1)	R9840280

Dimensions	inch	mm
L1	55.9	1,420
W1	24.9	632
H1	24.6	624



BARCO Digital Cinema  
Noordlaan 5, 8520 Kuurne, Belgium  
Tel: +32 56 36 84 93 Fax: +32 56 36 88 62  
E-mail: info.bdc.bps@barco.com

[www.d-cine.barco.com](http://www.d-cine.barco.com)

**BARCO**



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.



Ref. no. R599548(9) - June '01 - Printed in Belgium