

## DML-1200 w/Axon

Creativity at your fingertips



### Key Benefits

- All the benefits of a conventional moving light
- DLP video projection capabilities
- Exceptional brightness in both video and light modes
- Digital image content – optional built in Axon media server
- Rental & staging design

Barco's DML-1200 is a digital moving luminaire with all the benefits of a conventional moving light controlled from the lighting console. Moreover, the DML-1200 can also be used as a high quality DLP video projector.

With its brightness, unlimited image selection and the ability to seamlessly switch between video projection and light mode, cue by cue, the DML-1200 w/Axon provides designers pure creativity at their fingertips delivering a truly unique show for every event, client and purpose.

The DML-1200's low maintenance needs, unique lens design and overall versatility make it a real rental & staging product.

**BARCO**

Visibly yours

Massive Attack picture by United Visual Artists®

# DML-1200 w/Axon

## Turning the designer's dream into reality

**Video mode**  
(no mask)



**Light mode**  
(no CMY filtering)



**Light mode**  
(with Y + M filter)



**Video mode:**  
10,000 lumens  
full color images



**Video mode with circular mask:**  
6,000 lumens  
full color images



**Light mode:**  
(doubled light output)  
12,000 lumens  
monochrome images

### Why digital?

The DML-1200 is a digital device, which enables you to utilize digital gobo's and modify them instantly — with **far more speed and creativity** than can be accomplished with physical metal or glass gobos. You can create new logos within seconds instead of weeks. In lighting mode, you can have monochrome images in any color you could dream of.



Digital image generation instead of an analog GOBO

### Exceptional brightness

With the DML-1200, Barco has designed a digital light so bright that it can easily be used in combination with the existing analog lights. Furthermore, the DML-1200 features an internal color wheel that allows instant switching between light and DLP video projection mode.

In **video mode**, the DML-1200 offers a light output of **10,000 lumens**.

In **light mode**, the DML-1200 produces a perfectly circular light beam with a light output of 12,000 lumens, perceived to be the equivalent of a 1200W hard edged moving light due to the high brightness uniformity (> 90%).



### Unique lens design

Barco's DML-1200 operates with one standard lens for all applications. With a beam angle from **11 to 40 degrees**, you no longer have to switch lenses before every show. This means you only need to invest in one kind of lens to play all venues.

The lens features an internal **integrated iris** which ensures true black in stead of video black around the circular spot.



Additionally, the **zoom, focus** and **iris** control are all **belt driven** to give you more speed and accuracy during the show.

### Wide range of inputs

The luminaire comes standard with an extensive range of inputs, which can easily be controlled via DMX (or Art-Net) and Ethernet.

- RGBHV / HDSDI / DVI
- Horizontal & vertical keystone
- Integrated warping module

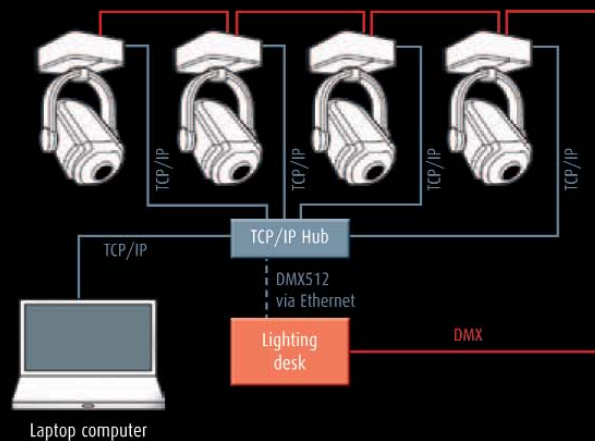
### Axon Media Server (optional)

The DML-1200 w/Axon advances the core capabilities by virtue of its Version 2.0 software, offering up to nine media layers, keystone and digital shutter features, enhanced Collage Generator™ and curved surface support, unlimited effects, and over 1,400 pieces of royalty-free stock content.



## Setup and control

Each DML-1200 configuration can be set up and controlled via Barco's control software on a regular PC.



Setup and file management handled by PC or Mac, Control by lighting desk (DMX)

## Control software

By using the control software on a regular PC, you can control and configure multiple DML-1200s.

- With the **content management application** running on your Mac, PC workstation or laptop computer, you can upload and cross-load content, upgrade software and configure multiple fixtures on the network - all remotely. New diagnostic gauges and improved menu functions assist with configuration and maintenance of the server and content.
- Setup and Diagnose the complete DML-1200 configuration easily with the **Toolset**. In addition, it allows you to create warping files. The Toolset can also be used to control a wide variety of other Barco equipment.

## Built for rental & staging

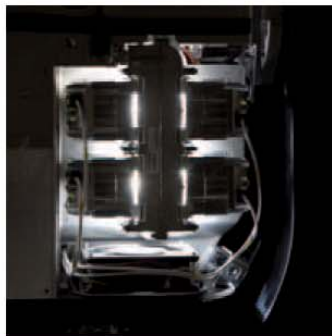
Recognized as the industry leader for over ten years in the rental & staging market, Barco understands, like no other, the needs of this demanding industry. During the design of the DML-1200, Barco has given priority to features ensuring readiness for life on the road.

### Sealed optics

- Barco's DML-1200 features fully sealed optics that offer protection against smoke and dust to ensure consistent optical performance over time
- All incoming air goes through High Efficiency Air Filters to avoid time consuming cleaning

### Multi-purpose lamps

- All lamps can be controlled individually
- No alignment required during replacement (click & play)
- Possibility to choose between 4, 2 or 1 lamp mode to reduce noise levels or to save lamp hours
- By using multiple lamps, the show can continue without interruption in case one lamp fails



### Easy to transport

The DML-1200 comes standard in a rugged flight case, certified for the toughest jobs. The case can easily be tipped over to ease floor or ceiling mounting.

### Rugged design

- Cast aluminum chassis with plastic covers
- Flexible mounting of riggings points

## DML-1200 w/Axon Media Server features

### SYSTEM

- Powerful content management and configuration software can remotely manage multiple DML-1200 w/Axon, DL.3, DL.2 and Axon fixtures.
- Supports importing of custom content including: 3D objects, media files, still images
- Royalty-free stock digital art collection featuring over 1,400 lighting-optimized files.
- Programming compatible with DL.3 fixtures and Axon Media Servers
- Software based on Windows® XP Embedded and DirectX® technology

### GRAPHICS ENGINE

- Simultaneous playback of nine discrete media streams on separate 2D/3D objects.
- 36 object parameters for graphic control of each individual media stream including:
  - A choice of multiple play modes and play speeds
  - The ability to define any segment of a video loop including Scrub capability
  - Multiple color mixing and visual effects that can be combined any way you choose
  - Chromakey effects to layer any content by keying on any colormix to make transparent
  - Full control of image Rotation, Positioning and Scaling on X, Y and Z axes
  - Visual modes let you control brightness and contrast to optimize content
  - Video input or camera capture you can apply to 2D/3D objects
- 52 Global parameters provide graphic controls to the composite image created by up to nine media streams
  - 5 effect banks allow multiple combinations of effects
  - Color effects including edge colors allow for combined image color mixing
  - Multiple mask selections with edge fading and strobe effects
  - Edge fading for creating montages
  - Keystone correction on output projection
  - Digital shutters on output projection
  - Viewpoint controls change viewing angle/perspective on images
- Multiple modes for synchronizing all networked DML-1200 with Axons, DL.3, DL.2 and/or Axon fixtures.

### CONTENT MANAGEMENT APPLICATION

- Runs locally and also can run remotely over network
- Communicates with DML-1200 w/Axon, DL.3, DL.2, and Axon fixtures over an Ethernet network
- Uploads and downloads custom digital content
- Configures fixtures with remote control of menu commands



Some of the many available effects:



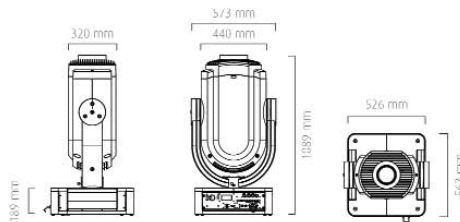
## DML-1200 w/Axon technical specifications

Light output	<b>Video mode:</b> 10,000 lumens - <b>Light mode:</b> 12,000 lumens
Contrast ratio	min. 1,200:1 - average 1,400:1
Lamp type	4 x 300 W (High Pressure Mercury Lamps)
Lamp warranty	750 actual running hours (proportional refund)
Rated lamp life	1,500 hours
Lamp replacement	click-in, no alignment needed
Color system	subtractive color mix (cyan, magenta, yellow) with dichroic filters
Color temperature	native 6200°K - 3000°K with dichroic filters
Color change time	0.3 second, or as timed by control console
Motion range	<b>Pan:</b> 540° - <b>Tilt:</b> 270°
Motion speed	68° per second
Zoom range	defocused: 11°-40° - focused: 12°-38°
Position accuracy and repeatability	0.375° on encoders (error correction); <0.1° in normal movement
Image generation	Single-chip DLP with 3x speed RGBW color wheel
Operation mode selection	<b>Video mode:</b> Native (rectangular) or circular - <b>Light mode:</b> Circular
Intensity control	Visually linear and full field operation (0-100%) combined digital mechanical
Weight (fixture only)	75 kg
Noise level	49 dB(A) (at +25°)
Max operating temperature	40°
Power consumption	max. 1832 W
AC power	200 - 240 V, 10 A, 50-60 Hz, input via 2m cable without connector
<b>INPUT</b>	
Inputs	RGBHV -Component - HDSDI/SDI - DVI
<b>VIDEO PROCESSING</b>	
Native image resolution	SXGA+ (1,400 x 1,050 pixels)
Blanking	horizontal & vertical, controlled over DMX
Scenergics	horizontal & vertical edge blending, controlled over DMX
Output image manipulation	H & V keystone, rotation (±15%), pincushion/barrel distortion, extensive freeform warping (max. 825 points)
<b>CONTROL</b>	
Protocols	DMX-512 / Art-Net
Connections	5-pin XLR (in, through), 2x RJ-45 (1GB in, through), 2x USB
<b>AXON MEDIA SERVER (optional)</b>	
Number of image layers	1 global layer and up to 9 media layers
Visual effects	3 effects per media layer, 5 effects on the global layer, collage, curved surface and keystone correction, digital shutters
Media type	MPEG-2 video and .png, .bmp, .jpg still images



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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 brochure can be found on [www.barco.com](http://www.barco.com).



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