

# DML-1200

12.000 field lumens digital luminaire, with DLP video projector capability



The DML-1200 is the first moving digital luminaire which can truly be used as both a super bright, moving light source and a high quality video projector.

**In light mode**, the DML-1200 produces a perfectly circular light beam with a light output equivalent to that of a 1200W hard edged moving light – 12.000 field lumens and **the brightest digital light** on the market today.

**In video mode**, the DML-1200 features a fully sealed DLP engine which delivers full color DLP quality video with SXGA+ (1400 x 1050 pixel) resolution. With a light output of 10,000 center lumens, the DML-1200 is **the brightest digital light** on the market today.

An internal optical dimming mechanism ensures smooth, accurate intensity control from 0 to 100% ensuring that that your fade to black is a true black, not video black (grey).

Being digital, lighting designers are no longer limited to static, pre-selected patterns and colors. Any image, static or animated can be created and projected. All images are generated by the onboard media player, controlled by DMX512 or artnet protocol, from the lighting console.

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

The DML-1200 is suitable for both fixed and professional rental & staging applications.

## Rental & Staging

- Concert touring
- Car shows
- Television productions
- Advertising & branding
- Theater (Broadway shows)

**BARCO**

Visibly yours

# Technical specifications

<b>Light Output</b>	Video mode: 10,000 ANSI lumens Light mode: 12,000 field lumens
<b>Contrast ratio</b>	min. 1,200:1 - average 1,400:1
<b>Lamp</b>	4 x 300 W (High Pressure Mercury Lamps)
<b>Lamp warranty</b>	750 actual running hours (proportional refund)
<b>Lamp lifetime (typical)</b>	1,500 hours
<b>Lamp replacement</b>	Click-in, no alignment needed
<b>Color Reproduction System</b>	subtractive color mix (cyan, magenta, yellow) with dichroic filters
<b>Color Temperature</b>	native 6200°K - 3000°K with dichroic filters
<b>Color change time</b>	0.3 second, or as timed by control console
<b>Motion range</b>	Pan: 540° - Tilt: 270°
<b>Motion speed</b>	68° per second
<b>Zoom range</b>	defocused: 11°-40° - focused: 12°-38°
<b>Position accuracy and repeatability</b>	0.375° on encoders (error correction); <0.1° in normal movement
<b>Image generation</b>	Single-chip DLP with 3x speed RGBW color wheel
<b>Operation mode selection</b>	Video mode: Native (rectangular) or circular Light mode: Circular
<b>Intensity control</b>	Visually linear and full field operation (0-100%) combined digital mechanical
<b>Weight</b>	75 kg (fixture only)
<b>Noise Level</b>	49 dB(A) (at +25°)
<b>Operating temperature</b>	max. 40°
<b>Power consumption</b>	max. 1832 W
<b>AC power</b>	200 - 240 V, 10 A, 50-60 Hz, input via 2m cable without connector
<b>Inputs</b>	RGBHV - Component - HDS/SDI/SDI - DVI
<b>Native image resolution</b>	SXGA+ (1,400 x 1,050 pixels)
<b>Blanking</b>	horizontal & vertical, controlled over DMX
<b>Scenergics</b>	horizontal & vertical edge blending, controlled over DMX
<b>Output image manipulation</b>	H & V keystone, rotation (+15%), pincushion/barrel distortion, extensive freeform warping (max. 825 points)
<b>Protocol</b>	DMX512 / Artnet
<b>Connections</b>	5-pin XLR (in, through), 2x RJ-45 (1GB in, through), 2x USB and VGA out for media player control
<b>Number of image layers</b>	Matte layer, layer1, layer2 (both A+B mixing), mask layer, master layer
<b>Optical effects</b>	Effects per media layer, effects on the master layer
<b>Media type</b>	Any media type that is supported by the Hippotizer (media is converted to MPEG-2, I-frame only)
<b>Playback Device</b>	Based on Hippotizer V3 technology - Developed by Green Hippo Ltd.
<b>Video input synchronisation</b>	genlock through additional BNC connector