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

Light Output	Video mode: 10,000 ANSI lumens Light mode: 12,000 field lumens
Contrast ratio	min. 1,200:1 - average 1,400:1
Lamp	4 x 300 W (High Pressure Mercury Lamps)
Lamp warranty	750 actual running hours (proportional refund)
Lamp lifetime (typical)	1,500 hours
Lamp replacement	Click-in, no alignment needed
Color Reproduction System	substractive 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	Pan: 540° - Tilt: 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	Video mode: Native (rectangular) or circular Light mode: Circular
Intensity control	Visually linear and full field operation (0-100%) combined digital mechanical
Weight	75 kg (fixture only)
Noise Level	49 dB(A) (at +25°)
Operating temperature	max. 40°
Power consumption	max. 1832 W
AC power	200 - 240 V, 10 A, 50-60 Hz, input via 2m cable without connector
Inputs	RGBHV - Component - HDSDI/SDI - DVI
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)
Protocol	DMX512 / Artnet
Connections	5-pin XLR (in, through), 2x RJ-45 (1GB in, through), 2x USB and VGA out for media player control
Number of image layers	Matte layer, layer1, layer2 (both A+B mixing), mask layer, master layer
Optical effects	Effects per media layer, effects on the master layer
Media type	Any media type that is supported by the Hippotizer (media is converted to MPEG-2, I-frame only)
Playback Device	Based on Hippotizer V3 technology - Developed by Green Hippo Ltd.
Video input synchronisation	genlock through additional BNC connector