DML-1200 w/Axon

12,000 field lumens digital luminaire with DLP projector onboard

















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%. This makes sure that your fade to black is a true black and not video black. 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 Axon Media Server, controlled by Art-Net 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 with pure creativity at their fingertips, whether for fixed or professional rental and staging applications.

Rental & Staging

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

Fixed installations

- · Theater (Broadway shows)
- · Clubs
- · Theme parks



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° - Tilk: 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 DIP with 3x speed RGBW color wheel Operation mode selection Video mode: Native (rectangular) or circular Light mode: Circular Uight mode: Circular Weight Weight 75 kg (Ixture only) Noise Level 49 dB(A) (at + 25°) Operating temperature max. 1832 W Ac power 200 - 240 V, 10 A, 50-60 Hz, input via 2m cable without connector Imputs RGBHV - Component - HDSDI/SDI - DVI Native image resolution		
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 Change time 0,3 second, or as timed by control console Motion range Pan: 540° - Till: 270° Motion speed 68° per second 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 Udeo 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 Native image resolution SAGA+ (1,400 x 1,050 pixels)	Light Output	Video mode: 10,000 ANSI lumens Light mode: 12,000 field lumens
Lamp warranty Lamp lifetime (typical) Lamp lifetime (typical) Lamp replacement Click-in, no alignment needed Color Reproduction System substractive color mix (cyan, magenta, yellow) with dichroic filters Color Change time native 6200°K - 3000°K with dichroic filters Color change time 0.3 second, or as timed by control console Motion range Pan: 540° - Till: 270° Motion speed 68° per second 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 DIP with 3x speed RGBW color wheel 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 Power consumption max. 1832 W AC power 200 - 240 V, 10 A, 50-60 Hz, input via 2m cable without connector Inputs Native image resolution SXGA+ (1,400 x 1,050 pixels)	Contrast ratio	min. 1,200:1 - average 1,400:1
Lamp lifetime (typical) Lamp replacement Click-in, no alignment needed 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 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	Lamp	4 x 300 W (High Pressure Mercury Lamps)
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 Video mode: Native (rectangular) or circular Light mode: Circular Light mode: Circular Usually 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)	Lamp warranty	750 actual running hours (proportional refund)
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: C	Lamp lifetime (typical)	1,500 hours
Color Temperature Color change time 0.3 second, or as timed by control console Motion range Motion speed See per second 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 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 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	Lamp replacement	Click-in, no alignment needed
Color change time O.3 second, or as timed by control console Motion range Pan: 540° - Tilt: 270° Motion speed Com range defocused: 11°-40° - focused: 12°-38° Position accuracy and repeatability O.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 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)	Color Reproduction System	substractive color mix (cyan, magenta, yellow) with dichroic filters
Motion range Motion speed 68° per second 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 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 Power consumption 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)	Color Temperature	native 6200°K - 3000°K with dichroic filters
Motion speed 68° per second 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 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 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)	Color change time	0.3 second, or as timed by control console
Zoom rangedefocused: 11°-40° - focused: 12°-38°Position accuracy and repeatability0.375° on encoders (error correction); <0.1° in normal movement	Motion range	Pan: 540° - Tilt: 270°
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 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 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)	Motion speed	68° per second
Image generationSingle-chip DLP with 3x speed RGBW color wheelOperation mode selectionVideo mode: Native (rectangular) or circular Light mode: CircularIntensity controlVisually linear and full field operation (0-100%) combined digital mechanicalWeight75 kg (fixture only)Noise Level49 dB(A) (at +25°)Operating temperaturemax. 40°Power consumptionmax. 1832 WAC power200 - 240 V, 10 A, 50-60 Hz, input via 2m cable without connectorInputsRGBHV - Component - HDSDI/SDI - DVINative image resolutionSXGA+ (1,400 x 1,050 pixels)	Zoom range	defocused: 11°-40° - focused: 12°-38°
Operation mode selectionVideo mode: Native (rectangular) or circular Light mode: CircularIntensity controlVisually linear and full field operation (0-100%) combined digital mechanicalWeight75 kg (fixture only)Noise Level49 dB(A) (at +25°)Operating temperaturemax. 40°Power consumptionmax. 1832 WAC power200 - 240 V, 10 A, 50-60 Hz, input via 2m cable without connectorInputsRGBHV - Component - HDSDI/SDI - DVINative image resolutionSXGA+ (1,400 x 1,050 pixels)	Position accuracy and repeatability	0.375° on encoders (error correction); <0.1° in normal movement
Light mode: Circular 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)	Image generation	Single-chip DLP with 3x speed RGBW color wheel
Weight75 kg (fixture only)Noise Level49 dB(A) (at +25°)Operating temperaturemax. 40°Power consumptionmax. 1832 WAC power200 - 240 V, 10 A, 50-60 Hz, input via 2m cable without connectorInputsRGBHV - Component - HDSDI/SDI - DVINative image resolutionSXGA+ (1,400 x 1,050 pixels)	Operation mode selection	Video mode: Native (rectangular) or circular Light mode: Circular
Noise Level 49 dB(A) (at +25°) max. 40° 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)	Intensity control	
Operating temperaturemax. 40°Power consumptionmax. 1832 WAC power200 - 240 V, 10 A, 50-60 Hz, input via 2m cable without connectorInputsRGBHV - Component - HDSDI/SDI - DVINative image resolutionSXGA+ (1,400 x 1,050 pixels)	Weight	75 kg (fixture only)
Power consumptionmax. 1832 WAC power200 - 240 V, 10 A, 50-60 Hz, input via 2m cable without connectorInputsRGBHV - Component - HDSDI/SDI - DVINative image resolutionSXGA+ (1,400 x 1,050 pixels)	Noise Level	49 dB(A) (at +25°)
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)	Operating temperature	max. 40°
Inputs RGBHV - Component - HDSDI/SDI - DVI SXGA+ (1,400 x 1,050 pixels)	Power consumption	max. 1832 W
Native image resolution SXGA+ (1,400 x 1,050 pixels)	AC power	200 - 240 V, 10 A, 50-60 Hz, input via 2m cable without connector
	Inputs	RGBHV - Component - HDSDI/SDI - DVI
Blanking horizontal & vertical, controlled over DMX	Native image resolution	SXGA+ (1,400 x 1,050 pixels)
	Blanking	horizontal & vertical, controlled over DMX
Scenergics horizontal & vertical edge blending, 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)	Output image manipulation	
Protocol DMX512 / Artnet	Protocol	DMX512 / Artnet



Connections	5-pin XLR (in, through), 2x RJ-45 (1GB in, through), 2x USB
Number of image layers	1 global layer and up to 9 media layers
Optical 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
Playback Device	Axon Media Server v2.0

