

# ProMotion™

Take your bar, club and retail promotions to the next level with the futuristic Robe ProMotion™ moving head effects and video projector.

**Light source**

High power RGB LED engine, Full HD resolution

**Light output**

comparable with 5000 lumen lamp projectors

**Zoom range**

17° (throw ratio 3.5:1), 26° (throw ratio 2.3:1 wide lens option)

**Effects**

digital gobo wheel, effect wheel, videos, in-air effects, live input



Compact, stylish yet fast moving, this projector produces 1000 ANSI Lumens of creative output with its long-lasting LED source. With RGB and CMY colour mixing capability; digital gobos and graphic effects images and videos; dynamic range of in-built effects, the only limit is your creativity.

The ability to upload custom artwork, photographs and videos is enhanced by the live streaming input facility from external high definition multimedia interfaces. With keystone, iris and motorised focus, you have total control of your visual creations.

We offer a choice of two sets of base covers. The standard covers are suitable for stage applications, while the optional installation covers hide the control display and cables at the back of the base for an aesthetically pleasing finish.

ProMotion™ can be optionally equipped with an ADM™ Automatic Distance Meter, to keep the projection absolutely sharp and focused automatically without any user alteration.

# Technical Specification

## Source

- Light source type: RGB LED device
- Lifetime:
  - 20.000 hours
  - Eco mode: extended life time of LED source

## Projector specification

- Light output: 1000 ANSI lumens (Comparable with 5000 Lumen lamp projectors)
- Aspect ratio: 16:9
- Resolution: 1920 x 1080
- Beam angle: 17°
- Throw ratio: 3.5:1
- Contrast ratio: 500:1
- Display colours: 16.7 million colours
- Optional wide lens: 26°
- Throw ratio wide lens: 2.3:1

## Main features

- Colour mixing mode RGB/CMY
- White light: Variable CCT 3.200K - 9.500K
- Colour effect wheel with wide range of in-built effects (colour transitions and cross-fades, multiple colour images, rainbow effects)
- Digital gobo wheel 1: with standard gobos, images and videos
- Digital gobo wheel 2: with user's gobos, images and videos
- Gobo rotation and indexing
- Video on/off and speed control
- Live input via external High Definition Multimedia Interface
- Effect wheel with wide range of graphic effects (Kaleidoscopic effect, fish eye, iris, zoom, swirl effect, pixelation effect, cross-stitching, posterization, and more...)
- Effect speed control
- Horizontal/Vertical keystoneing
- ADM™ Automatic distance meter: On request
- Grey box correction
- Motorized focus
- Pre-programmed random strobe & pulse effects
- Dimmer: 0 - 100%

## Control and programming

- Setting & Addressing: Robe Graphic Touch Screen (50x40mm / 1.97" x 1.57")
- Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN
- REAP™ - Robe Ethernet Access Portal
- Wireless CRMX™ technology from Lumen Radio - on request
- DMX Protocol modes: 2
- Control channels: 25, 33
- RTC (real-time clock): built-in device to keep track of actual time in order to start and stop playback at given time
- Stand-alone operation

## Content management

- Upload and projection of custom artwork, still photographs and videos from USB memory stick
- Remote content management
- Internal storage: high speed internal memory for user content – 32 GB
- NAS client: automatic content synchronization tool
- Live video stream: from remote source

## **Movement**

- Pan movement: 540°
- Tilt movement: 250°
- Movement control: Standard and Speed
- Controllable speed of Pan/Tilt movement
- Automatic Pan/Tilt position correction

## **Hardware**

- Raspberry Pi, Model 3, 1GB

## **Operating system**

- Linux OS

## **Thermal specification**

- Maximum ambient temperature: 40°C (104°F)
- Maximum surface temperature: 60°C (140°F)
- Minimum operating temperature: 0°C (32°F)

## **Electrical specification and connections**

- Power supply: Electronic auto-ranging
- Input voltage range: 100-240 V, 50/60 Hz
- Power consumption: 140 W
- Power connector in/out: Neutrik powerCON TRUE1 in/out
- DMX and RDM data in/out: Locking 5-pin XLR
- Ethernet port in/out: RJ45
- 2x USB 2.0 connector (series A)
- External video input 1x High Definition Multimedia Interface
- Embedded Ethernet switch 10/100 Mbps: 1 x in / 1 x out

## **Approvals**

- CE Compliant
- cETLus Compliant

## Mechanical specification

- Height: 508 mm (20") - head in vertical position
- Width: 328 mm (12.9")
- Depth:
  - 283 mm (11.14") - base with stage covers
  - 364 mm (14.3") - base with installation covers
- Weight: 12 kg (26.5 lbs)

## Rigging

- Mounting points: 1 pair of 1/4-turn locks
- 1x Omega adaptor with 1/4-turn quick locks
- Universal operating position
- Safety cable attachment point

## Included items

- User Manual
- Omega Adaptor CL-regular 2 pcs: 10980033
- Power cord including powerCON TRUE1 In connector

## Optional accessories

- Doughty Trigger Clamp: 17030386
- CRMX Wireless Receiver: 13030894
- Safety wire 36 kg: 99011963
- Wide angle lens: 26° 10980547
- Installation base covers black: 10980548
- Ceiling mounting kit black: 10980551
- Daisy Chain powerCON TRUE1 In/Out, EU, 2m, Indoor: 13052439
- Daisy Chain powerCON TRUE1 In/Out, US, 2m, Indoor: 13052440
- Daisy Chain powerCON TRUE1 In/Out, EU, 5m, Indoor: 13052444
- ADM™ Automatic distance meter: 10980549
- Single Top Loader Case: 10120265
- Quad Top Loader Case: 10120266
- Foam Shell: 20020378

## Legal

- ProMotion™ is a Trademark of Robe lighting s. r. o.
- ProMotion™ is patented by Robe lighting s. r. o. and protected by one or more pending or issued patents