

# pixelPATT™

Joining Robe's line of retro style lighting products is pixelPATT, the latest addition to the PATT family. In spite of its eye catching retro design, pixelPATT is based on modern LED pixel controlled technology.

**Light source**

7x 40W RGBW multichips

**Effects**

Individual control of each RGBW pixel,  
Tungsten lamp emulation



The pixelPATT is composed of 7x 40W RGBW LED multi-chips, one in the centre surrounded by a ring of six, housed in a super-slim and lightweight brushed metal frame. Aesthetically it keeps the dimensions and attractive curvature of the PATT 2013 and the picklePATT, and this will also make it desirable for its physical appearance as well as for a light source. In order to make the pixelPATT elegant and a lightweight design, it has a remote Power and Data box PATT Driver, which is connected with the pixelPATT through an industry standard colour scroller cable with 4-pin XLR connectors. For easy installation the pixelPATT can be connected or disconnected from the PATT Driver under power. The pixelPATT is an ideal fixture for television broadcasts, concerts, fashion shows or any type of event from awards to brand activations.

# Technical Specification

## Source

- Light source type: 7x 40W RGBW multichips
- LED life expectancy: min. 50.000 hours
- Typical lumen maintenance: L70/B50 @ 50.000 hours

## Optical system

- 7x 200mm parabolic aluminium reflector with special gold-brown coating
- 7x half-ball diffuser dome distributing light evenly from RGBW LED source inside of the reflector

## Dynamic Effects and Features

- Colour mixing mode RGBW or CMY
- Individual control of each RGBW pixel
- Variable CTO: 2.700K - 8.000K
- Virtual Colour Wheel: with 66 preset swatches
- Pre-programmed pixel effects with colour, dimming and strobe chases, waves and pulses at variable speed and direction
- Shutter: Electronic with variable speed strobe (max. 20 flashes per second)
- Pre-programmed random strobe & pulse effects
- High resolution electronic dimming: 0 - 100%

## Control and programming

- PATT Driver: external
- Setting & Addressing: two-row LCD display & 4 control buttons
- Protocols: USITT DMX-512, RDM, ArtNet, Kling-Net, sACN
- Wireless CRMX™ technology from Lumen Radio
- DMX Protocol modes: 6
- Control channels: 13, 32, 40, 47, 53, 60
- RGBW or CMY: 8 or 16 bit (internal 18 bit)
- Dimmer: 8 or 16 bit (internal 18 bit)

## Thermal specification

- Maximum ambient temperature: 45 °C (113 °F)
- Maximum surface temperature: 65 °C (149 °F)
- Minimum operating temperature: -5 °C (23 °F)

## Electrical specification and connections

- PATT Driver:
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  - Power supply: Electronic auto-ranging
  - Input voltage range: 100 - 277 V, 50/60 Hz
  - Power consumption: 240 W
  - Power in/out connector: Neutrik powerCON TRUE1 in/out
  - DMX and RDM data in/out: Locking 3-pin & 5-pin XLR
  - Embedded Ethernet switch 10/100 Mbps: 1x IN/1x Out
  - Ethernet port in/out: RJ45
  - Power and Data out: Locking 4-pin XLR (from PATT Driver to the pixelPATT)
- pixelPATT:
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  - Power and Data in: Locking 4-pin XLR

## Approvals

- CE Compliant
- cETLus Compliant (pending)

## Mechanical specification

- PATT Driver:
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  - Height: 358 mm (14.1")
  - Width: 82 mm (3.2")
  - Depth: 162 mm (6.4")
  - Weight: 3.0 kg (6.6 lbs)
- pixelPATT:
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  - Height: 959 mm (37.75")
  - Width: 870 mm (34.3")
  - Depth: 158 mm (6.2")
  - Weight: 12.1 kg (26.67 lbs)

## Rigging

- Mounting points:
  - Driver: 1x Half-couple clamp, 1x Safety attachment point
  - pixelPATT: 1x 13mm hole for Clamp mounting
- Operating position:
  - PATT Driver: Floor standing on mounted on truss in vertical position
  - pixelPATT: any operating and mounting position

## Included items

- User Manual

## Optional accessories

- PATT Driver:
  - Standard version 10055002
  - Wireless version 10055004
- Tripod: 10980374
- Floor stand: 10980259
- Spigot: 10980260
- Mounting bracket: 10980435
- Doughty Trigger Clamp: 17030386
- Safety wire 36 kg: 99011963
- Mains Cable powerCON TRUE1 In/Schuko, 2m, Indoor: 13052405
- Mains Cable powerCON TRUE1 In/US, 2m, Indoor: 13052406
- Mains Cable powerCON TRUE1 In/CEE 16A, 2m, Indoor: 13052445
- Mains Cable powerCON TRUE1 In/Open ended, 2m, Indoor: 13052407
- 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
- Data cable 4-pin XLR 10m, ferite, EU: 13052797
- Data cable 4-pin XLR 5m, ferite, EU: 13052798
- Data cable 4-pin XLR 10m, ferite, US: 13052799
- Data cable 4-pin XLR 5m, ferite, US: 13052800

- Dual Top Loader Case: 10120212

## Legal

- pixelPATT™ is a trademark of Robe lighting s.r.o.
- pixelPATT™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patent