PATT2017

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ROBE®

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Extending the ROBE series of retro style lighting, **PATT 2017** is LED driven environmentally conscious and can be a playfully colourful or adaptable tungsten white-like eye candy effect for the stage and set - perfect for bands, television, fi lm and general prop lighting.

Lighting fi xtures can be more than a practical necessity – the luminaires themselves can be a piece of art and create the mood.

This fi xture is based on an idea conceived by lighting designer Tim Routledge.

The 7x40W RGBW LEDs powerfully illuminate the seek, spun aluminium body which maximises its curves to look as good on stage as the performers it illuminates.

Besides controlling the complete LED cluster as one unit, it is possible to control each single LED independently, creating smooth animations, transitions and rainbow effects on the aluminium refl ector having the special "PATT" gold-brown coating.
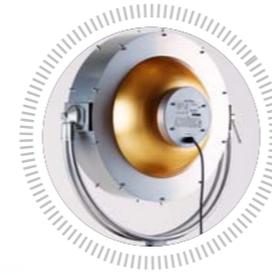
Source
- Light source type: 7x 40W RGBW multichips
- LED life expectancy: min. 20.000 hours
- Typical lumen maintenance: 70% @ 20.000 hours

Optical System
- 550mm parabolic aluminium refl ector with high refl ectivity coating
- Diffusor dome distributing light evenly from RGBW LED source inside of the refl ector

Dynamic Effects
- Colour mixing mode RGBW or CMY
- Individual control of each RGBW pixel
- Variable CTO: 2.700 K–8.000 K
- 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 fl ashes 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 (on request)
- 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 housing temperature: 70°C (158°F)
- Minimum operating temperature: -5°C (23°F)

Included Items
- User Manual

Electrical Specification
PATT Driver:
- 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
- Embeded 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)

PATT2017:
- Power and Data in: Locking 4-pin XLR

Approvals
- CE Compliant
- cETLus Compliant (pending)

Mechanical Specification
PATT Driver:
- Height: 358 mm (14.1")
- Width: 82 mm (3.2")
- Depth: 162 mm (6.4")
- Weight: 3.0 kg (6.6 lbs)

PATT2017:
- Height: 695 mm (27.3")
- Width: 680 mm (26.7")
- Depth: 358 mm (14.1")
- Weight: 10.5 kg (23.1 lbs)

Rigging
- Mounting Points:
  Driver: 1x Half-couple clamp, 1x Safety attachment point
  PATT2017: M12 mounting for clamp or spigot

Operating Position:
- PATT Driver: Floor standing on mounted on truss in vertical position
- PATT2017: any operating and mounting position

Legal
- PATT 2017™ is Trademark of Robe lighting s.r.o.
- PATT 2017™ is patented by Robe lighting s.r.o. and is protected by one or more pending or issued patents
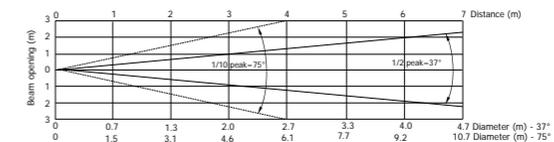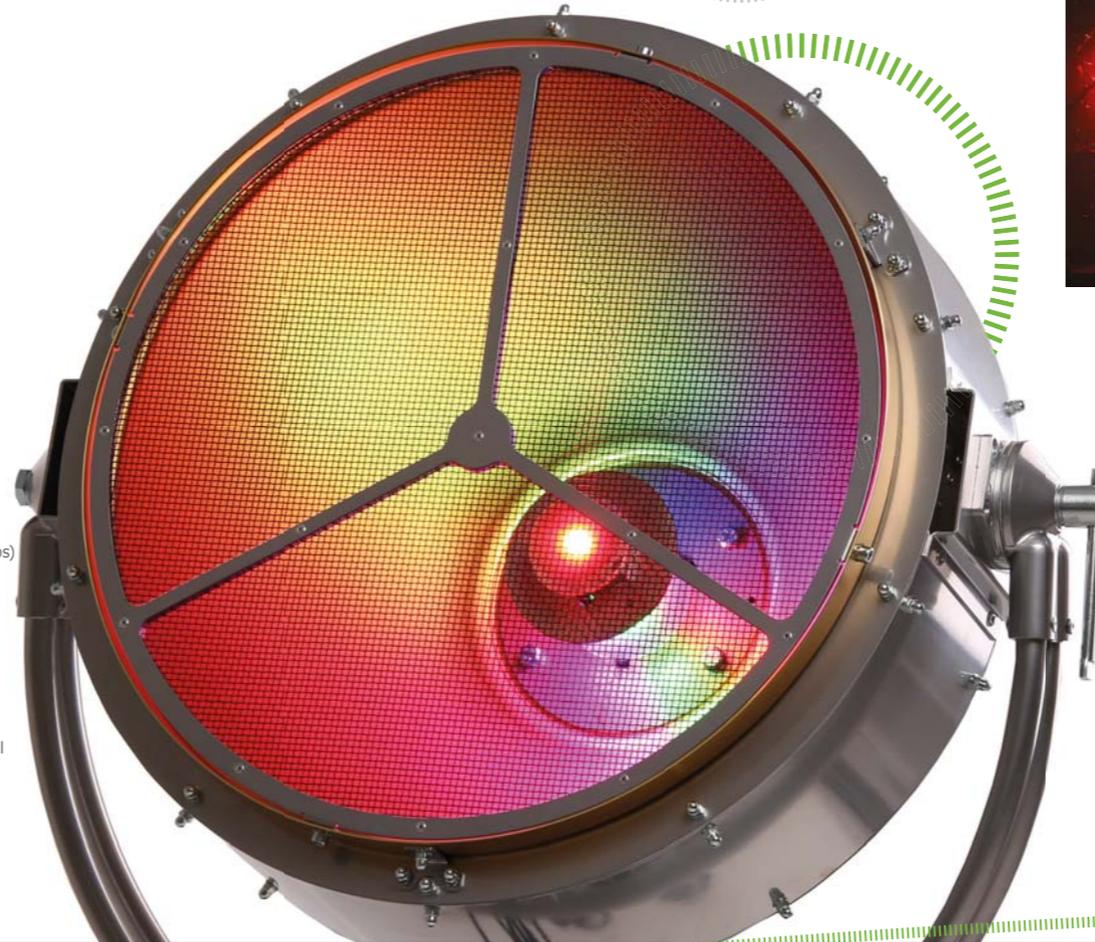
Distance (m)	1	2	3	4	5	6	7	
Red	400/37	100/9	44/4	25/2.3	16/1.5	11/1	8/0.8	
Green	550/51	138/13	61/6	34/3.2	22/2	15/1.4	11.1	
Blue	65/6	16/1.5	7/0.7	4/0.4	2.6/0.2	1.8/0.2	1.3/0.1	Intensity (center) Lux/Footcandles
White	500/47	125/12	56/5	31/3	20/1.9	14/1.3	10/0.9	
R+G+B+W	1050/98	263/24	117/11	66/6	42/3.9	29/2.7	21/2	

Illuminance distribution
Distance=5m

Red   Green   Blue   White   R+G+B+W