

ROBE®

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pixelPATT

ROBE®

PixelPatt

Retro style lighting series

Continuing the retro style lighting design, the pixelPATT™ is a new addition to the PATT family. In spite of its eye catching retro design, pixelPATT™ is based on modern LED pixel controlled technology. The pixelPATT™ is composed of 7 x 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 lightsource. 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 cables with 4-pin XLR connectors.

The pixelPATT™ is an ideal fixture for television broadcasts, concerts, fashion shows or any type of event from awards to brand activations.



Source

- Light source type: 7 x 40W RGBW multichips
- LED life expectancy: min. 20.000 hours
- Typical lumen maintenance: 70% @ 20.000 hours

Optical System

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

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 LEE 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 (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 surface temperature: 70 °C (158 °F)
- Minimum operating temperature: -5 °C (23 °F)

Electrical Specification and Connections

- 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
 - 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: 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)
- pixelPATT:
 - Height: 924 mm (36.4")
 - Width: 870 mm (34.3")
 - Depth: 157 mm (6.2")
 - Weight: 11.8 kg (26 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
- PATT Driver

Accessories

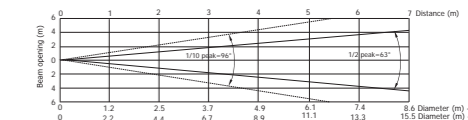
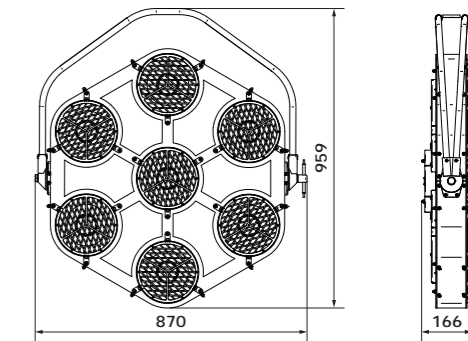
- Trigger Clamp Doughty
- Safety wire
- Line cords powerCON TRUE1 In
- Line cords powerCON TRUE1 In/Out
- Interconnecting cable 4-pin XLR 5m
- Interconnecting cable 4-pin XLR 10m
- Single Top Loader Case
- Dual Top Loader Case

Legal

- pixelPATT 2017™ is trademark of Robe lighting s.r.o.
- pixelPATT 2017™ is patented by Robe lighting s.r.o. and is protected by one or more pending or issued patents.



PATT Drive



Distance (m)	1	2	3	4	5	6	7	
Red	175/16	44/4	20/2	11/1	7/0.7	5/0.5	4/0.3	Intensity (center) Lux/footcandle
Green	300/28	75/7	33/3	19/1	12/1.1	8/0.8	6/0.6	
Blue	50/4.6	13/1.2	6/0.5	3/0.3	2/0.2	1.4/0.1	1/0.1	
White	500/47	125/12	56/5	31/3	20/1.9	14/1.3	10/0.9	
R+G+B+W	1000/92	250/23	111/10	63/6	40/3.7	28/2.6	20/2	

