

onePATT



ROBE[®]

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onePATT

Retro style lighting series

Another member of the extended PATT family of retro-style lighting fixtures, onePATT is a RGBW multichip, high-powered, multicolored LED fixture housed in a super slim, lightweight, brushed metal retro-style frame.

The unit's high light output can be pixel mapped and therefore controlled and used for large scale matrix applications, as well as individual illuminating needs.

It features an integrated intelligent electronic Control System that guarantees flicker-free driving, protection from overheating and together with remote addressing, calibration and status messaging with a Power Supply unit, ensuring easy, remote maintenance and long-term reliability. For easy installation the onePATT can be connected or disconnected from the PATT Driver under power.

Seven onePATTs can be connected to the PATT Driver – a power and data box specifically designed for the pixlePATT, PATT 2017 and onePATT family of products.

Source

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

Optical System

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

Dynamic Effects

- Colour mixing mode RGBW or CMY
- 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 flashes per second)
- Pre-programmed random strobe & pulse effects
- High resolution electronic dimming: 0–100 %
- Cpulse™ special flicker free management

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 / 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)

Electrical Specification

- PATT Driver:
- Power supply: Electronic auto-ranging
 - Input voltage range: 100–277 V, 50/60 Hz
 - Power consumption: 240 W at 230 V / 50 Hz
 - 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 onePATT)

- onePATT:
- 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)
- onePATT:
- Height: 321 mm (12.6")
 - Width: 309 mm (12.1")
 - Depth: 150 mm (5.9")
 - Weight: 2.1 kg (4.6 lbs)

Rigging

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

Included Items

- User Manual

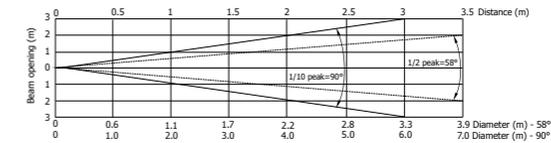
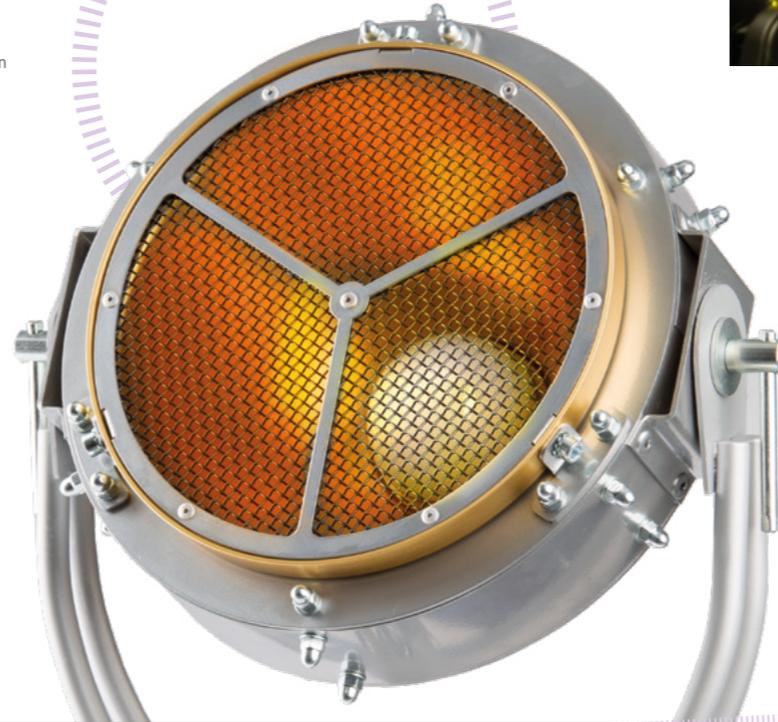
Accessories

- PATT Driver: Standard version 10055002 Wireless version 10055004
- Doughty Trigger Clamp: 17030386
- Safety wire 35 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
- onePATT Top Loader Case 7-pack set: 10120231

Legal

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

PATT Driver



Distance (m)	0.5	1	1.5	2	2.5	3	3.5	Intensity (center) Lux/footcandle
Red	96/8.9	24/2.2	11/1.0	6/0.6	4/0.4	3/0.2	2/0.2	
Green	176/16.4	44/4.1	20/1.8	11/1.0	7/0.7	5/0.5	4/0.3	
Blue	32/3	8/0.7	4/0.3	2/0.2	1.3/0.1	0.9/0.1	0.7/0.1	
White	320/30	80/7.4	36/3.3	20/1.9	13/1.2	9/0.8	7/0.6	
R+G+B+W	576/54	144/13.4	64/5.9	36/3.3	23/2.1	16/1.5	12/1.1	

