

MAGICDOT NEO

Inspiring sphere



AYRTON

Digital Lighting



MAGICDOT NEO **Inspiring sphere**

Step into a new creative sphere, both inspiring and radical. This new luminaire, heir to the MagicDot R, is a fixture with a singular design, capable of delivering stunning effects.

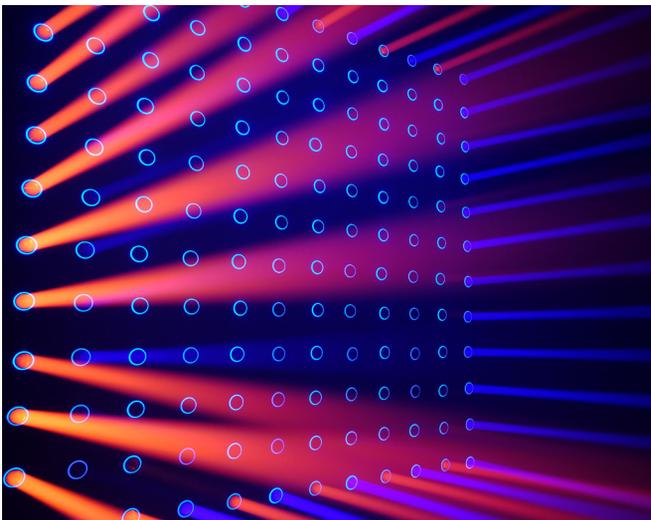
Very compact, lightweight, ultra-fast and powerful, MagicDot Neo represents the ultimate evolution of this innovative family of fixtures.

Designed for stage lighting and engineered for mixed indoor and outdoor use—even in saline environments—it features a brand-new 120 W multi-chip RGB-L LED source paired with a high-efficiency 100 mm optic, delivering a total output of 3 000 lm for just 160 W of power consumption. The high output of this LED source required a bespoke cooling solution based on a phase-change heat pipe.



A luminaire with a unique visual signature, standing out as an obvious choice

MagicDot Neo switches from Beam to Wash in an instant, offers a 10:1 zoom ratio and covers a wide beam angle from 3° to 30°. Continuous dual rotation on the pan and tilt axes allows fixtures to be clustered so that each light source can be individually controlled in every direction, and the minimal spacing between units makes previously impossible configurations achievable.



Infinite pan and tilt rotation



Enables spectacular stage productions

The intense beam, combined with the High-Definition Liquid effect—featuring 60 RGB LEDs around the beam’s periphery—creates mesmerising multi-colour effects. MagicDot Neo generates organic light and astonishingly complex volumetric effects, enabling truly breathtaking stage presentations. Extensive Ethernet connectivity supports unlimited system configurations.



Creative Series Source

120 W RGB-L

Zoom Aperture

3 ° to 30 °

Illuminance at 5 m

16,000 lux

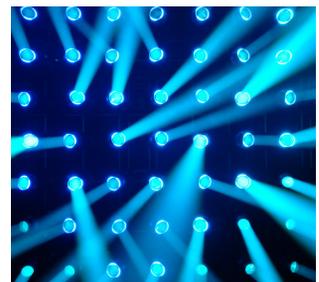
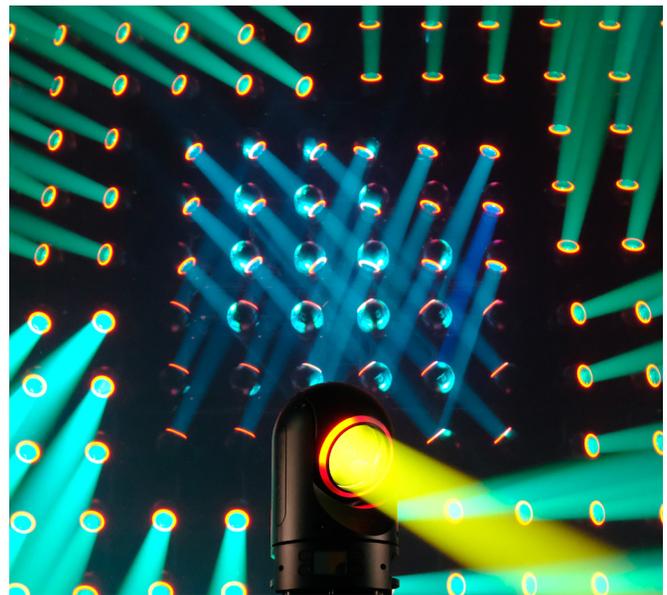
Front Lens

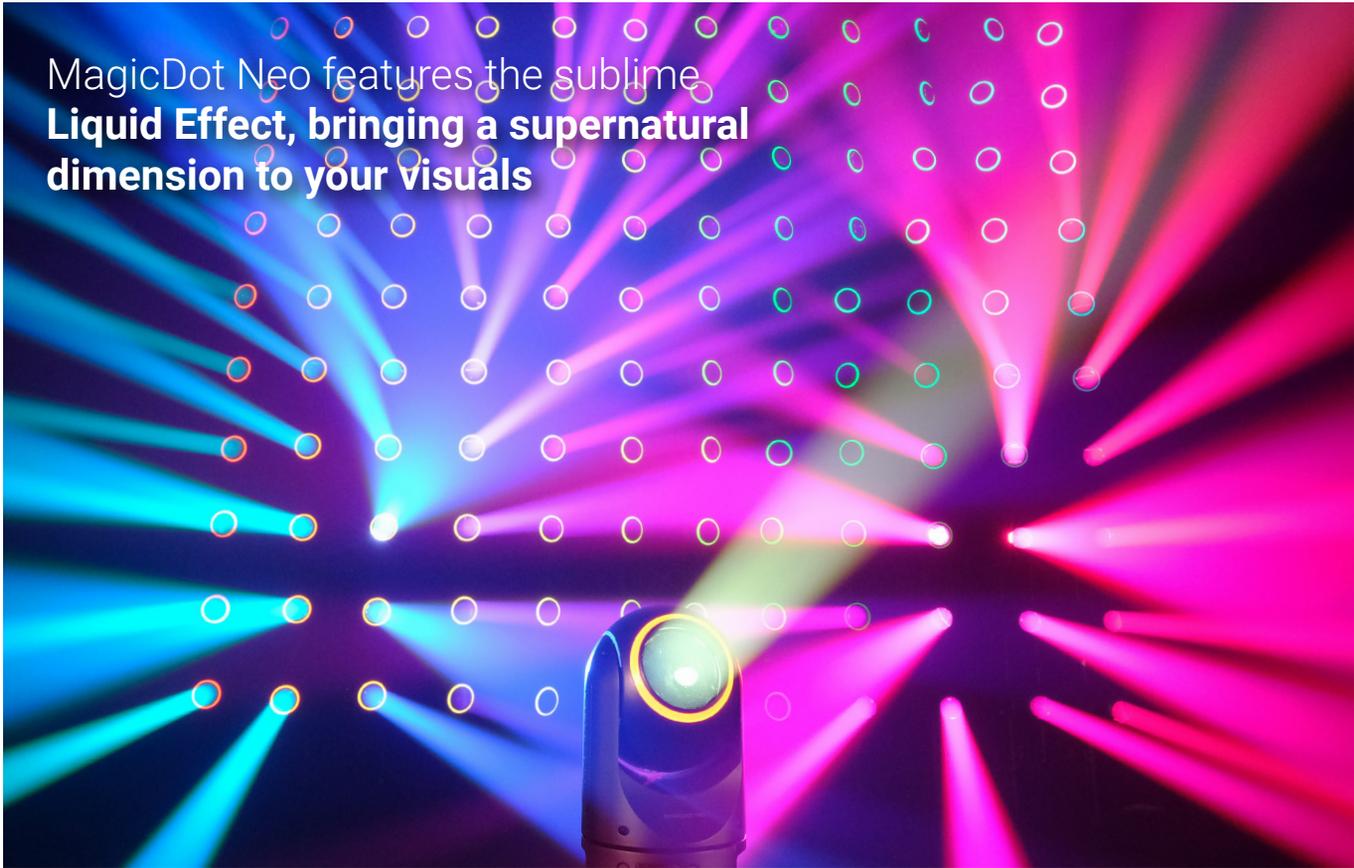
100 mm

Weight

6.6 kg

16,000 lux
at 5 m





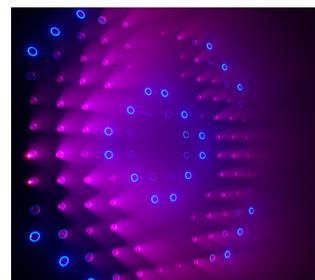
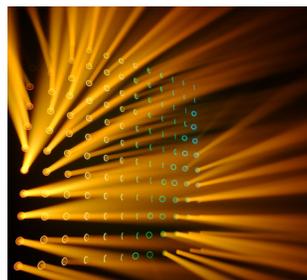
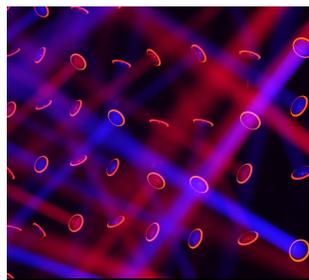
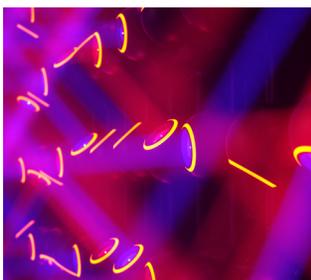
MagicDot Neo features the sublime **Liquid Effect, bringing a supernatural dimension to your visuals**

MagicDot Neo is probably one of the most emotionally charged luminaires of its generation

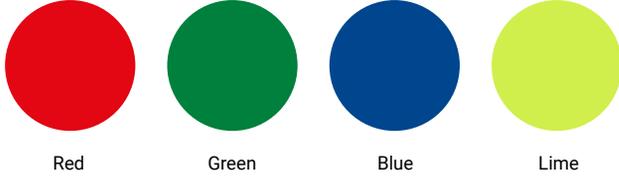
By drastically reducing the thickness of aluminium components, optimising the cooling system, simplifying lens mounts and integrating low-density optical parts, the overall weight has been significantly reduced to just 6.6 kg. The fixture's performance stems from its singular design, extreme miniaturisation and minimalist cylindrical form. Enter a new creative sphere that is as inspiring as it is radical. An elegant, meticulously crafted projector with a unique visual signature, MagicDot Neo is the obvious choice—a technological powerhouse in a compact package, capable of delivering spectacular stage effects.



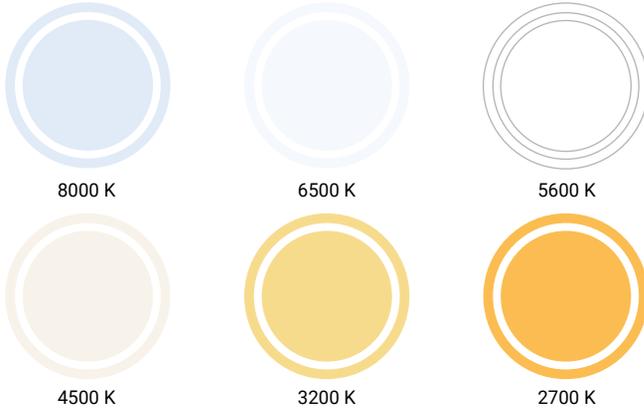
Rich saturated and **pastel colour-hues**



Colours



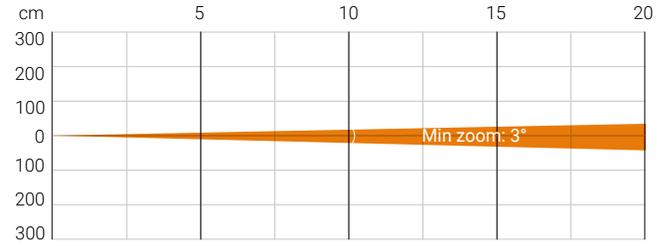
Virtual CTC channel



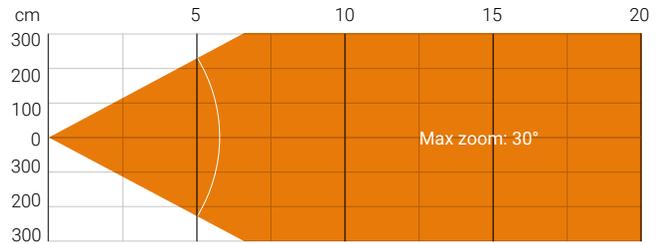
Liquid effect



Photometry



Distance (m)	5		10		15		20	
Unit	lux	∅	lux	∅	lux	∅	lux	∅
Red	2,941	0.35	735	0.7	368	1.05	184	1.4
Green	6,228		1,557		779		389	
Blue	865		216		108		54	
Lime	10,380		2,595		1,298		649	
RGB+L	17,300		4,325		2,163		1,081	



Distance (m)	5		10		15		20	
Unit	lux	∅	lux	∅	lux	∅	lux	∅
Red	71	5.54	18	11.09	9	16.63	4	22.17
Green	151		38		19		9	
Blue	21		5		3		1	
Lime	252		63		32		16	
RGB+L	420		105		53		26	

Total Flux	3,000 lm (Sphere, fan mode Stage, wide zoom)		
CCT White (RGB-L White)	6500 (±100K)		
Ra White (RGB-L White)	77 (±2)		
TLCI White (RGB-L White)	66 (±2)		
TM-30 White (RGB-L White)	Rf: 80,9 Rg: 116		
Fan Mode	Noise Level (dBA)	Flux (lm)	Flux (lm)
Auto Mode	38.9	1,500	2,700
Stage Mode	45.7	1,700	3,000
Silence Mode	30.5	1,230	2,200
Super Silence Mode	29.2	1,000	1,600

Note: noise measured @1m distance, static status, ambient 10 dBA



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