



In 2001, when we created AYRTON, we didn't know it yet, but we were going to revolutionize the world of lighting with a totally disruptive concept... DIGITAL LIGHTING.

Our achievement over the last 20 years is to have created more than 70 extraordinary digital luminaires that are as innovative as they are effective.

20 years of creation... of emotion... of design...

20 years of passion... of challenges... working with the world's greatest lighting designers, who have placed their trust in us.

20 years of innovation to bring the wildest projects to life.

The future has only just begun.

Together, we will push the limits and create the exceptional.

In the endless pursuit of another 20 years of amazing digital creations  
AYRTON continues to lead the way.

- **2021** - HURACÁN LT is the first LED luminaire in the brand new line of "LT" (Long Throw) products dedicated to long-range applications. To achieve an ultra-intense beam from a LED source, AYRTON has added 225 mm-diameter, extra-large frontal optics weighing 7 kg. The proprietary optical system has 13 lenses, delivering a 17:1 zoom ratio and a zoom range of 3,5° to 53°. Fitted with a next-generation, oversized liquid phase-change cooling system and a new high-efficiency 1000 W LED module, HURACÁN LT delivers record light output of 50,000 lumens.

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- **2021** : PERSEO BEAM is the first compact, waterproof multi-function beam effect LED luminaire. Well-suited for use indoors as well as outdoors, the fixture is equipped with an ultra-intensive 2° beam and 21x zoom ratio, making it an extraordinary tool that will help you achieve some incredibly exciting effects. PERSEO BEAM is endowed with unprecedented graphic capability, offering a wide choice of 48 fixed and rotating gobos distributed on two wheels, including 28 glass gobos for the projection of high-definition images and 20 metal gobos specifically created to sculpt light in “beam” mode.
- **2020** : A new addition to the 5 Series, EURUS is the first multi-function profile luminaire launched under the new SLIM-21 programme for miniaturising fixtures and reducing their weight. AYRTON has developed a high-efficiency 950 W power supply in an entirely new die-cast aluminium base that takes up 33% less volume than in other luminaires of the same category. A lighter internal structure and all-new miniaturised stepper motors add to the final result. Fitted with a 168 mm frontal lens, the proprietary optical system uses 13 lenses, producing an 11:1 zoom ratio and a zoom range of 4.4° to 48°.
- **2020** : A new member of AYRTON'S IP65 multi-function luminaire family designed for intensive outdoor use, DOMINO-S is a marvel of technology that combines extraordinary light power with full-featured standard equipment. Equipped with an entirely new 1000 W monochromatic high-efficiency LED emitter calibrated at 8000 K, DOMINO-S can deliver powerful metallic white light with record output of 50,000 lumens at a colour temperature of 7000 K, when operating at a steady state.
- **2020** : KARIF is a versatile new fixture in the "LT" (Long Throw) series, adding to the AYRTON product offering for long-distance applications. This is a machine with phenomenal powers capable of delivering stunning visual effects. An ultra-compact 300 W beam-spot luminaire equipped with a 168 mm frontal lens, KARIF offers an astronomical zoom ratio of 17:1 and a zoom range of 2.8° to 49°. To achieve an ultra-intense beam with an LED source, AYRTON uses an entirely new miniaturised high-efficiency low-etendue compact LED module.
- **2019** : HURACÁN PROFILE is a marvel of technology that brings exceptional light output to a standard-equipment luminaire in a class by itself – a formidable graphical tool for enhancing creativity. Fitted with a next-generation oversized cooling system and a high-efficiency 1000 W LED module, HURACÁN PROFILE produces record output of 50,000 lumens at a colour temperature of 6500 K when operating at a steady state. For this exceptional luminaire, AYRTON has developed an entirely new complex colour mixing system with a double CMY saturation level capable of generating 281 trillion colours.
- **2019** : PERSEO PROFILE is the first compact multi-function luminaire with an IP65 enclosure rating developed by AYRTON for intensive outdoor use. Equipped with a new 500 W ultra-compact monochromatic LED source calibrated at 8000 K, it can deliver metallic white light with an output of 27,000 lumens. AYRTON has specifically developed the optics in PERSEO PROFILE to achieve an optimal resolution-to-performance-to-efficiency ratio.
- **2019** : Ayrtón's latest innovation, DIABLO, is a versatile, feature-rich 300-Watt profile luminaire based on the ultra-compact MISTRAL format. The company has taken on the ambitious challenge of making Diablo the smallest, lightest and most efficient luminaire of its category. With a record output of 19,000 lumens and a total weight of 21.8 kg.
- **2018** : AYRTON has once again pushed the limits with a newly designed “profile” luminaire... KHAMSIN... squeezing a 750-Watt L.E.D. module into the highly compact GHIBLI format, while offering 60% more light output. To make the luminaire this compact, AYRTON has completely redesigned its internal structure by using cast aluminium sides. The proprietary optical system, fitted with 13 lenses, features a 158 mm frontal lens and delivers an 8:1 zoom ratio and a zoom range of 7° to 58°.
- **2018** : AYRTON launched MISTRAL – a versatile, new fully equipped 300W spot luminaire in the same ultra-compact format as MERAK. Its new 13-lens proprietary optical system delivers a 8:1 zoom ratio with a zoom range of 6.7° to 53°. The optics, equipped with a 119mm frontal lens, can achieve an extremely uniform flat beam that can render images perfectly in all conditions and at any beam angle.
- **2017** : GHIBLI™ was Ayrtón's first LED spot luminaire factory-equipped with a framing system designed to offer lighting designers unlimited creative possibilities without any compromise. Fitted with a LED module using a high-output, low-etendue monochromatic light source calibrated at 6500 K, GHIBLI could deliver light output of 23,000 lumens in a highly compact format. The proprietary optical system, equipped with a 137 mm frontal lens, had 13 high-quality lenses, delivering an 8:1 zoom ratio and a zoom range of 7° to 56°. The optics produced an extremely uniform flat beam with no hot spot.

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- **2017** : MAGICPANEL FX is the exciting new multi-function, multi-use luminaire descended from the renowned MAGICPANEL R. With a revolutionary new optical zoom system that has no visible moving parts and a stationary transmitting lens, this proprietary system has a 15:1 zoom ratio with a range of 3.6° to 53°. The front face of MAGICPANEL FX is comprised of a 5 x 5 array of squared lenses with perfectly isolated emitters – which offer exciting new possibilities for creating 2D graphical effects.
- **2016** : MAGICBURST was the first high-power graphic LED strobe with continuous, unlimited, rotation on pan and tilt. A 384 x 384 mm squared face supported 3,840 high-output LEDs grouped into 64 pixels on an 8 x 8 matrix. The strobe duration, speed and intensity of each 60-LED pixel could be individually controlled to create breathtaking stroboscopic effects. MAGICBURST could deliver peak light output of over 240,000 lumens for several seconds. With a smooth design and reduced dimensions, MAGICBURST had the form factor of the DREAMPANEL product family, allowing you to create giant graphic arrays with no visible structure.
- **2016** : INTELLIPIX XT was a refined and evolved version of Ayrton's original INTELLIPIX R. In the same creative spirit, this versatile luminaire was fitted with nine ultra-powerful, low-etendue, multichip LED emitters, which could be controlled individually. They were coupled with Ayrton's proprietary 126 mm diameter optics. This configuration pushed the limits even further with a 2° full beam and a centre-beam luminous intensity of 580 candelas per lumen – six times greater efficiency than its predecessor.
- **2015** : The DREAMPANEL TWIN is a hybrid luminaire with the MAGICPANEL on one side and the DREAMPANEL SHIFT on the other. Capable of continuous double rotation on the pan and tilt axes, the DREAMPANEL TWIN can alternate between displaying high-definition video images and 3D volumetric lighting effects. The MAGICPANEL side has improved resolution thanks to an 8 x 8 matrix featuring patented 45 mm diameter collimators that can obtain a full 6° angle and centre-beam luminous intensity of over 73 candela per lumen, a record achievement. The video side uses the same array as the DREAMPANEL SHIFT and is equipped with 4096 RGB LED emitters.
- **2015** : MAGICDOT R was the first professional moving head LED luminaire with a single optical collimator. The new high-efficiency optical system measuring 94 mm in diameter and weighing over 200 grammes required more than two years of development and perfection. The result was an intense beam of less than 5° using a multi-chip RGBW LED with a light-emitting surface of 8 mm<sup>2</sup>. With its minimalist cylindrical design, the innovative MAGICDOT R, capable of continuous double rotation on the pan and tilt axes, would allow the user to create groups of luminaires and control each light emitter individually in all directions.
- **2014** : NANDOBEAM S3 is a powerful and ultra-fast moving-head in a compact housing. Its advanced and highly efficient proprietary optical system, coupled with state-of-the-art 15 Watt RGBW LED emitters, delivers an 8° narrow beam as well as 40° wide coverage. NANDOBEAM S3 delivers a 4,000 lumen output. Its narrow angle gives a particularly effective and very powerful tight beam, while its wide angle works well for wash purposes, making NANDOBEAM S3 the perfect lighting tool for a wide range of applications. Effects capabilities can be coupled with Beam, Wash or Matrix applications to produce superb results whether performing in front of the audience or camera.
- **2014** : MAGICBLADE R was a new design that offered continuous double rotation on the pan and tilt axes. Its unique feature was the layout of its seven RGBW LED sources in-line, paired with the highly intensive angle of the optics, which allowed the creation of light curtains with genuine overall consistency. On stage, MAGICBLADE R's very high centre-beam intensity enhanced visual perception of the beams in an environment saturated with light – vital in the creation of virtual décor. Ayrton opted for a compact design for MAGICBLADE R, with the primary objective of reducing the visual footprint of its luminaires.
- **2013** : The first-born in the Creative Solutions family, MAGICPANEL 602 was a modular LED luminaire that could deliver a broad range of visual effects. Equipped with continuous unlimited rotation in pan and tilt, this fabulous fixture could not only display numbers, letters, graphic effects or images, but also act as a dazzling projector. Its display was made up of 36 15-Watt RGBW LED emitters in a 6 x 6 array, fitted with high-output 7.5° 45 mm optics. The square shape of the panel and perfect alignment of the optics, combined with the continuous double rotation movement, allowed lighting designers to create entirely new three-dimensional effects.
- **2012** : ROLLAPIX 100 was the first motorised linear LED luminaire fitted with a 4:1 double zoom system. This new generation of luminaires was designed in collaboration with Dimitri Vassiliu, a leading French lighting designer. The distinctive capability of ROLLAPIX 100 was to integrate eight independent 10-Watt RGBW LEDs using two zoom systems that could be controlled independently in order to create a multitude of effects. Using the luminaire's tilt axis motor, designers could create additional effects such as partitions,

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barriers or moveable virtual doors. The ROLLAPIX 100 was the ideal tool for creating virtual lighting decor or highlighting theatrical scenery.

- **2011** : WILDSUN 500C was provided with a four-colour LED source with neutral white calibrated at 4000 K, thus reproducing a tungsten effect sought after by many lighting designers. WILDSUN 500C was a wash light in the true sense and its optical zoom system was selected for its ability to emulate a Fresnel-type beam. With 37 RGBW 13-Watt LED emitters, the WILDSUN 500C was fitted with an active cooling system using heat transfer fluid with phase change, allowing for heavy use under extreme conditions. Leading lighting designer Jeff Ravitz judiciously chose WILDSUN 500C for Bruce Springsteen and the E Street Band on their 18-month Wrecking Ball world tour.
- **2010** : Ayrton launched its new ICECOLOR product line, consisting of three models of luminaire: ICECOLOR 250, ICECOLOR 500 and ICECOLOR 1000. These versatile static LED fixtures designed for dynamic architecture applications and the entertainment market incorporated a brand new RGBW multi-chip light emitter and revolutionary optics that could obtain an 11° native beam with a perfect colour mix. Ultra-silent, ICECOLOR luminaires were equipped with a highly advanced phase-change liquid cooling system that used a heat pipe and no fan.
- **2009** : The new modular LED imaging display, DREAMPANEL GHOST 256, is the latest development in the DREAMPANEL line. With a high resolution of 1820 pixels per m<sup>2</sup>, 23.44 mm pixel pitch, 5100-nit brightness and a transparency of over 50%, DREAMPANEL GHOST 256 offers a new performance standard for each screen segment dedicated to creating special effects. Robust, lightweight and easy to install, the DREAMPANEL GHOST 256 has been designed for both indoor and outdoor use.
- **2008** : COLORPLAYER 150 is an IP65 versatile luminaire with innovative technical features with a small footprint. Designed for both indoor and outdoor use to meet the specific needs of the live entertainment and temporary events market, COLORPLAYER 150 respects the environment thanks to its high optical efficiency of more than 75%. This enables it to produce an overall lighting flux in excess of 5,000 lumens (AWW version) from a power consumption of only 150 W.
- **2007** : Ayrton launched its new SLIMLED 150, an elegant multi-orientation wash-panel luminaire combining 54 high-power LEDs as its light source and is specially designed for architectural applications. SLIMLED 150 exists in three LED source versions. The SLIMLED 150 is designed for both indoor and outdoor use, at an orientation from 20° forward to 80° backwards in locked positions and is equipped with optional exchangeable optic filters to widen the light beam angle.
- **2006** : The ARCALINE™ LED static luminaire, the latest creation in the Ayrton family of linear units, used the new Lumiled Luxeon K2 High-Power LEDs as a light source. With a stunningly smooth and sophisticated profile, ARCALINE LED range was designed for all kinds of steady applications. Ayrton introduced ARCALINE in 12 versions. The highly innovative ARCALINE series matched any surrounding environment perfectly, whether indoor or outdoor, and offered a wide range of scene solutions.
- **2005** : AYRTON launched the DREAMPANEL FLOOR 256 as the first modular floor-standing LED video screen. The patented internal design of the video tile was specifically developed to withstand heavy loads without altering the displayed image. DREAMPANEL FLOOR 256 was perfect for the most spectacular stage design concepts – it was used as stage floor lighting for Canadian singer Celine Dion's world tour in 2008.
- **2004** : AYRTON introduced the MODULED 318, a static modular luminaire with three independent arrays, each equipped with 18-LUXEON-High-power LEDs. Each matrix-group can be individually operated to generate infinite palettes of rich and saturated colours. What characterizes this new generation of luminaires is the possibility to be used individually or in pairs thus creating ramps, wall-shapes and so forth. MODULED 318 has been designed for both, indoor and outdoor.
- **2003** : Introduction of the AYRTON brand at the Prolight + Sound trade fair in Frankfurt, Germany, and introduction of EASYCOLOR, the first professional LED-based moving head fixtures equipped with 18 high-power LUXEON LEDs. From the time of its launch and despite its limited power compared to contemporary standards, EASYCOLOR proved a great success, paving the way for a new type of fixture in the entertainment industry.
- **2002** : The year of the first times. Recruitment of the team, search for partners and subcontractors. First drawings, first models, first prototypes and finally birth of the first AYRTON product: EYECOLOR, the first professional LED-based moving head fixtures. Equipped with 192 20 mW LEDs. EYECOLOR could generate a vast palette of rich and saturated colours without resorting to a complex mechanical system.

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- **2001** : Creation and registration of the AYRTON trademark on November 21, 2001. Yvan Péard created the brand. He chose the name and colour yellow as a tribute to the outstanding Brazilian racing driver, Ayrton Senna.