

# DOMINO

the master of the elements



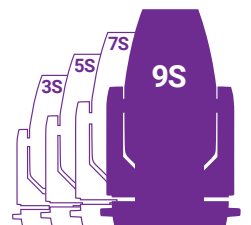
**AYRTTON**  
Digital Lighting





## The master of the elements can dominate the most extreme conditions

Domino was designed to confront hot or cold temperatures, wind, rain, hail, sand, dust... It can withstand arid environments, heavy rainfall, and sudden climatic variations.





**N**o other luminaire has performed so effortlessly in hostile weather conditions.

**Domino is the master of the elements.**

A new member of Ayrton's IP65 multi-function luminaire family designed for intensive outdoor use, Domino is a marvel of technology that combines extraordinary light power with full-featured standard equipment. Ayrton has integrated all the weatherproof features of Perseo in this new luminaire and borrowed from the same minimalist design. With its new high-efficiency power supply and die-cast aluminium frame, the luminaire uses the same original design in a reduced visual footprint.



**In the realm of light,  
Domino reigns supreme**

Designed around the exceptional optics of Huracán-X, this fixture was specifically developed to achieve an optimal resolution-to-performance-to-efficiency ratio. These optics deliver an extremely uniform flat beam with no hot spot and reproduce high-definition images impeccably.

Fitted with a 178 mm frontal lens, the proprietary optical system uses 13 lenses delivering a 10-to-1 zoom ratio and a zoom range of 6° to 60°.

**IP65**  
Water-resistant





## The master of the elements can weather all situations

Domino is equipped with an entirely new 1000 Watt monochromatic high-efficiency L.E.D. emitter. The luminaire comes in two versions:

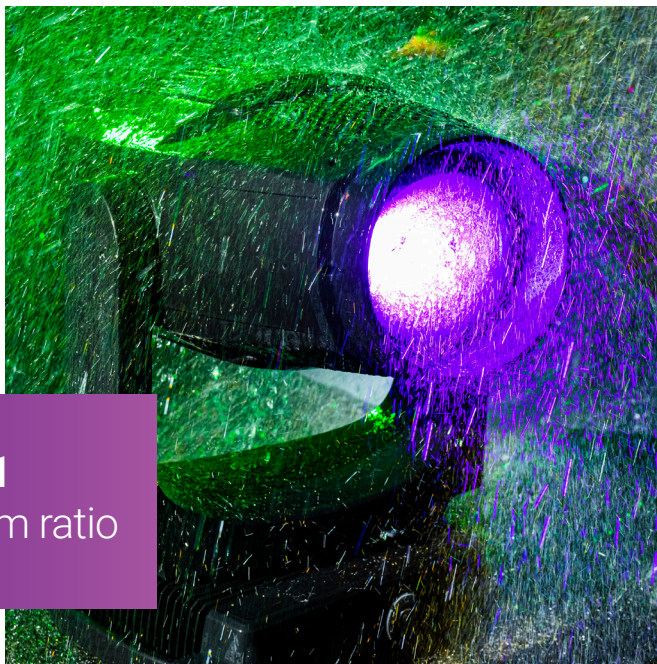
Domino-S is designed for scenic applications. It can deliver powerful metallic white light with record-breaking output of 51,000 lumens at a colour temperature of 7000 Kelvin.

Domino-TC will amaze colour aficionados with its C.R.I. greater than 90 and extremely high TM30 readings, at a colour temperature of 6000 Kelvin.

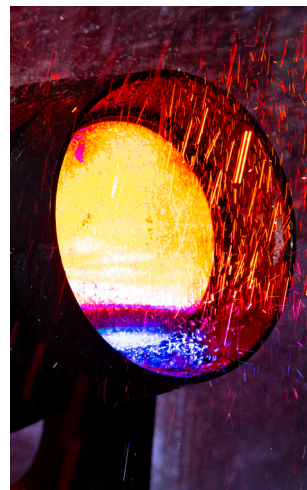


**14 HD**  
glass gobos

9 Series - Source	Lumens	Native CRI	Front Lens	Weight
<b>1,000 W - 7000 K</b>	<b>51,000</b>	<b>greater than 90</b>	<b>178 mm</b>	<b>52 Kg</b>
Domino-S	Domino-S	Domino-TC		



**10:1**  
zoom ratio



## Domino delivers a deluge of effects, all equally spectacular

The framing section allows accurate positioning of four individual shutter blades on a 100% surface area in all positions, so that the user can frame any object regardless of the luminaire's position.

The effects section includes two wheels with seven interchangeable rotating high-definition glass gobos; two graphics animation effect wheels: one CMY multi-layered, the other black and white with continuous rotation in both directions and a lightning-fast 15-blade iris diaphragm.

## Feature-rich from the factory

Domino includes: a CMY colour mixing system, which, combined with a variable CTO and a wheel with six complementary colours, produces an infinite palette of vivid pastels and saturated colours; two filters for optimising colour rendering index and TM30 readings.



**A luminaire  
that dominates  
the most  
unpredictable  
situations  
and delivers  
stunning effects**

Water effects by Aquatique Show

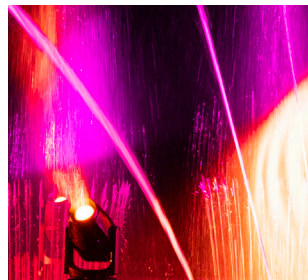
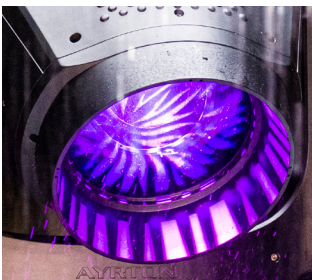


## **Water, sun, earth and air obey only one master: Domino**

Additional standard features in Domino include light and heavy frost filters; two combinable rotating prisms one circular with five facets, one linear with four facets; a dynamic animation effect with speed and fade adjustment; an electronic dimmer allowing perfect light adjustment from 0 to 100%. Domino offers a new water-resistant menu navigation system. For maximum effectiveness, Domino has a liquid cooling system fitted with six submersible fans outside its weatherproof enclosure.

The master of the elements performs outstandingly in the most unexpected, atypical situations. Ayrton, in the endless pursuit of challenging the elements.

A machine you can  
count on in **the most  
hostile environments**



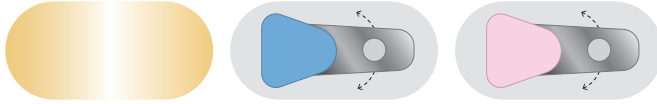




## Colours



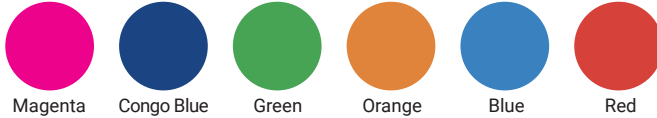
CMY colour mixing system



Variable CTO

1/4 CTB Flag

1/2 CTP Flag



Magenta

Congo Blue

Green

Orange

Blue

Red

## Gobos

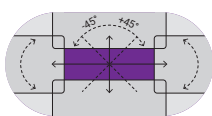
Gobos Ø 30 mm | Image Ø 25 mm



Framing system

Iris diaphragm

Frost filters



100% surface area



15% to 100% open



Light

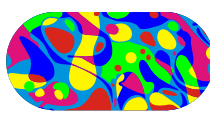
Heavy

Graphical animation effects wheel

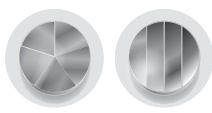
Sparkle effect



Monochromatic



CMY &amp; RGB Colours



Circular

Linear

Dimmer



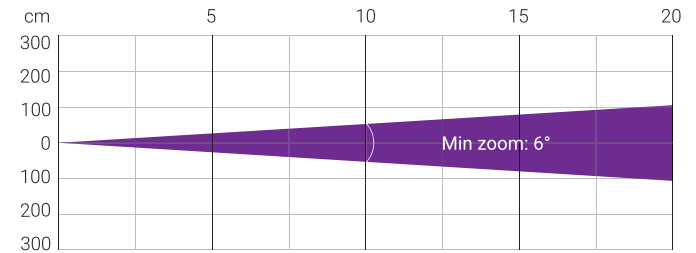
0 to 100 %

Strobe

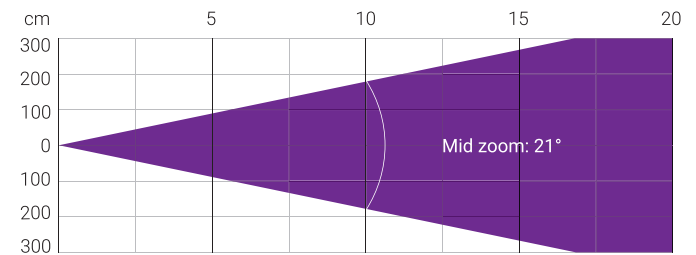


1 to 25 fl/sec.

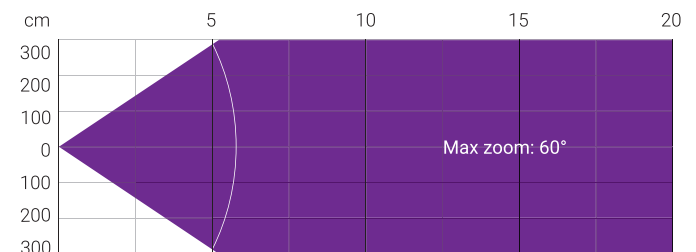
## Photometry



Distance (m)	5		10		15		20	
Unit	lux	Ø	lux	Ø	lux	Ø	lux	Ø
Domino-S	96,000	0.52	24,100	1.04	10,700	1.56	6,000	2.08
Domino-TC	72,000		18,000		8,000		4,500	



Distance (m)	5		10		15		20	
Unit	lux	Ø	lux	Ø	lux	Ø	lux	Ø
Domino-S	18,100	1.85	5,000	3.62	2,000	5.3	1,100	7.1
Domino-TC	12,600		3,250		1,450		810	



Distance (m)	5		10		15		20	
Unit	lux	Ø	lux	Ø	lux	Ø	lux	Ø
Domino-S	2,750	5.83	790	11.66	300	17.49	165	23.32
Domino-TC	1,750		525		230		125	

Version	Domino-S	Domino-TC
Total Flux (Integrating sphere)	51,300 lm (zoom at 41%)	36,400 lm (zoom at 41%)
CCT LED Source	8000 (±400 K)	7000 (±400 K)
CCT Luminaire	7000 (±400 K)	6500 (±400 K)
Ra Luminaire	71 (Ra: 70)	91 (Ra: 90±2)
TLCI	48	88
TM-30	Rf: 69 Rg: 92.7	Rf: 86.1 Rg: 96.8
Fan Mode (Noise Level)	Domino-S	Domino-TC
Auto Mode: 48 dBA	50,600 lm	36,100 lm
Silence Mode: 39 dBA	31,400 lm	22,800 lm
Stage Mode: 53 dBA	51,300 lm	36,400 lm
Studio Mode: 44 dBA	41,000 lm	29,500 lm

Note: noise measured at 1m distance, static status, ambient 31dBA



## OPTICS

- 13-element 10:1 zoom high-resolution optic system
- Beam aperture: 6.0° to 60°
- Fast motorised linear zoom
- Tempered anti-reflective coated lenses
- 178 mm frontal lens for greater performance

## LIGHT SOURCE

### Domino-S

- 75,000-lumen 8000 K white light engine
- Total luminaire output: up to 51,000 lumens
- Colour temperature output: 7000 K
- CRI: greater than 70

### Domino-TC

- 56,000-lumen 7000 K white light engine
- Total luminaire output: up to 36,400 lumens
- Colour temperature output: 6500 K
- CRI: greater than 90

### Domino-S & Domino-TC

- Rated life (L70): up to 40,000 hours
- Flicker-free source management suitable for TV applications and all video-recorded events

## MOVEMENT

- Extremely accurate positioning
- Moving-head operated via either 8- or 16-bit resolution
- High-resolution stepper motors operated via microprocessors to ensure extreme accuracy and smooth movement
- Pan and tilt automatic repositioning
- Moving-head range: 540° (pan), 270° (tilt)

## COLOURS

- Sophisticated colour mix system providing CMY colour mixing
- Variable CTO colour temperature correction
- Fixed colour wheel with six complementary colours
- 2 CRI and TM30 optimizer filters

## GOBOS

- 2 indexable rotating gobo wheels with 7 high-precision glass gobos, plus open position
- Adjustable-speed rotating gobo in both directions
- Gobo diameter: 30.0 mm
- Image diameter: 25.0 mm
- Gobo thickness: 1.1 mm

## FRAMING SYSTEM

- 4 individually positionable shutter blades on a 100% surface area in all positions
- Rotation of the framing system module: +/- 60°

## IRIS DIAPHRAGM

- Fast iris diaphragm with adjustable dynamic effects
- Iris range: 15% to 100% open

## FROST

- 2 frost filters: one light, one heavy

## EFFECTS

- Focusable black & white graphic animation effect-wheel with continuous rotation in both directions
- Focusable colour graphic animation effect-wheel with continuous rotation in both directions
- 2 rotating and indexable prisms: one 5-facet circular, one 4-facet linear
- Sparkle effect: dynamic animation effect with speed and fade adjustment

## DIMMER / STROBE

- Electronic dimmer, allowing perfect light adjustment from 0 to 100% without colour variation
- Strobe effect, with speed adjustment from 1 to 25 flashes per second

## SOFTWARE FEATURES

- Local DMX addressing of luminaire and optional parameters through its built-in LCD control panel
- Remote DMX addressing of luminaire and optional parameters through a standard RDM DMX controller
- Information menu including hour counter, temperature, software version

## HARDWARE FEATURES

- Graphic LCD display for addressing and special function settings, with flip function
- 5 menu buttons to set the functions
- Excess temperature protection
- Integrated wireless CRMX TiMo™ RDM receiver from LumenRadio™
- IP65 XLR 5-pin connectors for DMX connection
- IP65 RJ45 IN / OUT connectors for ArtNet™ connection
- IP65 PowerCON TRUE1 TOP male connector for power connection

## CONTROL

- DMX 512 protocol, cable or a wireless system
- DMX-RDM compatible
- Stand-alone mode and Master/Slave modes
- ArtNet™ & sACN protocol through Ethernet cable
- Local control panel, with IP65 LCD display
- Choice of 3 DMX modes (from 44 to 66 DMX channels)

## POWER SUPPLY

- Electronic supply with active PFC
- 110 to 240 Volts – 50/60Hz
- Power: 1700 W maximum

## COOLING SYSTEM

- Advanced liquid cooling system
- IP68 self-adjusting variable speed fans for quiet operation (Auto mode)
- Selectable ventilation user modes with a new Silent Mode
- Safety protection against temperatures excesses

## HOUSING

- Moving-head skeleton made of die-cast aluminium
- Base in die-cast aluminium
- Heatsinks in aluminium and copper
- Moulded covers in in die-cast aluminium
- Two-side handles for transportation
- Four heavy-duty feet for better stability
- IP65 protection rating
- Exterior finish: black (Carbon)

## INSTALLATION

- Fastening brackets system: two Omega ¼ turn brackets designed for use with standard clamps
- Mounting points: eight ¼ turn locking fittings allowing installation of Omega brackets on luminaire
- Safety cable attachment point

## OPERATING PARAMETERS

- Operating positions: all (device on floor or fixed to a support)
- Maximum permitted ambient temperature (Ta max): 45° C (113° F)
- Minimum permitted ambient temperature (Ta min): -20° C (-4° F)
- Minimum usage distance: 3.0 m (9.84 ft)

## COMPLIANCE

### EU (EMC&LVD):

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU

### US (Safety & EMC):

- UL 1573
- FCC Part 15, Subpart B: 2018

## SIZE

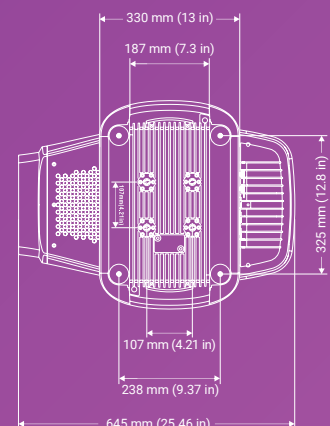
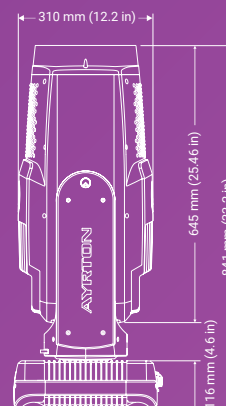
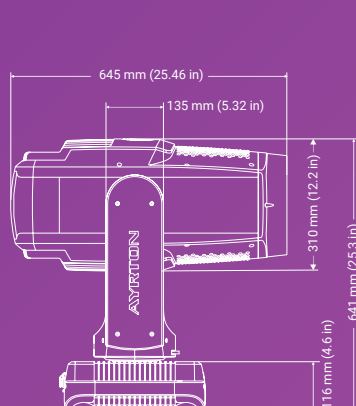
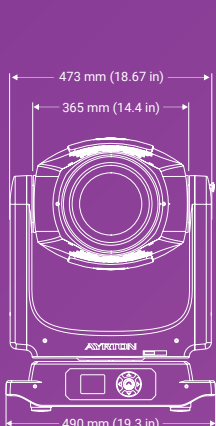
- Product: 490 x 841 x 330 mm (l x h x d)
- Flight-case foam: 715 x 665 x 555 mm (l x h x d)

## WEIGHT

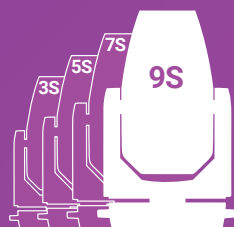
- Product: 52 kg

## PRODUCT CODES

- 012640: DOMINO-S - CLASSICAL IP65 9 SERIES
- 012650: DOMINO-TC - CLASSICAL IP65 9 SERIES







[www.ayrton.eu](http://www.ayrton.eu)

07.2020