



STELLARI

LED COLLECTION

Outdoor LED Display

DOOH High Resolution Series, P3.91



Finest Crafted LED

Overview



Designed to last, this High Resolution DOOH LED combines durability with enhanced visual performance. Built around superior components such as cooper-wire diodes, chipsets and aerospace aluminium, it delivers a peak brightness of 4,500 nits and ensures optimal visibility in direct sunlight.

The precision-engineered full aluminium architecture provides superior heat dissipation, protecting every component and extending the product's lifetime.

Its advanced colour calibration ensures outstanding uniformity across the entire display surface without compromising image quality.

The result is a reliable LED display, designed for 24/7 operation.

Key Features



Enhanced Picture Quality

- 4,500nits
- Cooper wire
- Improved color uniformity



Long Lifetime Design

- Aerospace aluminum design
- Lower working temperature
- Optimized heat dissipation



Energy Efficiency

- TOP class diode
- CCT Energy saving
- $\geq 91\%$ energy conversion



Easy Installation and Maintenance

- Slim installation depth
- Lightweight cabinet
- Full front service





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Key Features



Best in class image quality

Engineered for visual perfection, the Stellari LED delivers rich, accurate colors that remain consistent across the entire display. Its wide viewing angle ensures vivid, crystal-clear images from any perspective, while the high contrast ratio brings every detail to life with remarkable depth and clarity.

The result is a true-to-life visual experience that enhances any environment — setting a new standard in LED display excellence.

Advanced CMS

Built for efficiency, the integrated CMS gives you full control over every display through one intuitive interface. Content updates, scheduling, and real-time monitoring ensure smooth, consistent operation across all locations. With remote access, smart diagnostics, and flexible management tools, Stellari LED stays reliable and effortless to manage anytime, anywhere.



Energy Saving

Designed to accommodate the latest chipset innovation.

Common Cathode Technology reduces operating temperature, minimizing performance degradation and extending component lifespan. It ensures consistent brightness across the entire display, prevents uneven illumination from current differences, and enhances color saturation and contrast for vivid, precise image quality.

Key Features



Designed to Perform

Engineered for the most demanding environments, the Stellari LED combines robust construction with premium electrical components to ensure long-term quality and hassle-free operation.

Tested to perform under the harshest conditions, Stellari LED withstands extreme temperature fluctuations and high humidity without compromising performance.

With minimal downtime and reduced maintenance requirements, it delivers dependable operation and lasting value wherever it's installed.

Outdoor Masterpiece

Crafted from **6061 aerospace-grade aluminium**, Stellari LED combines exceptional strength, light weight, and superior corrosion resistance for lasting durability in demanding environments.

This premium alloy offers:

Lightweight: 2.7 g/cm³ density,

High Strength: 276 MPa yield, 310 MPa tensile,

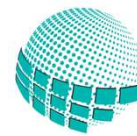
Corrosion Resistant: Built to endure harsh outdoor conditions,

Highly Machinable: Perfect for precision manufacturing.

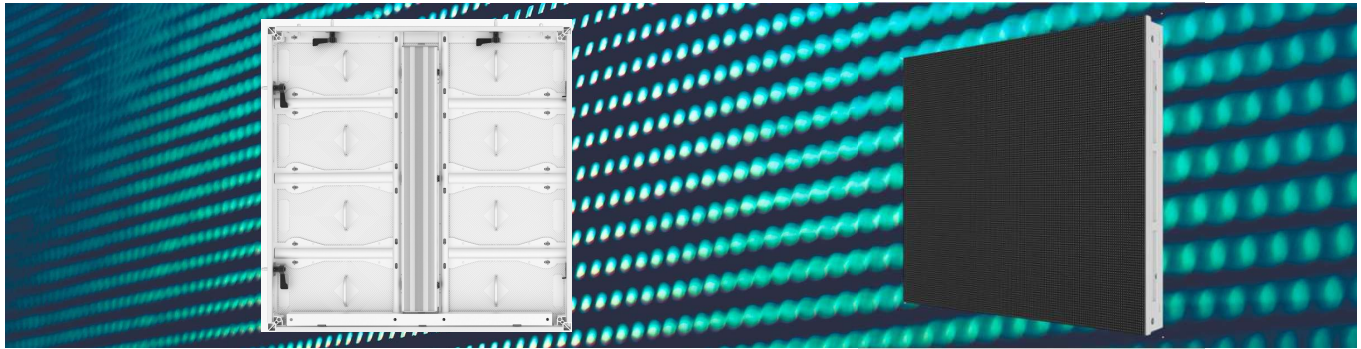
With its innovative design and premium quality materials, Stellari LED delivers proven reliability, backed by a 5-year warranty.



Product Datasheet



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	MODEL	DOOH_KLC_P3.91_CCT
Physical Parameter	Pixel Pitch	3.91mm
	Pixel Configuration	1R 1G 1B
	Pixel Density	65,536dots/m ²
	Cabinet Configuration (W*H)	256*192 pixels
	Diode Type	Kinglight Cooper Wire SMD1921
	Diode Density	196,608/m ²
	Cabinet Dimensions (W*H*D) in mm	1000*1000/750*75
	Module Resolution	128*64 pixels
	Module Dimensions (W*H) in mm	500*250
	Module Configuration (W*H)	2x4/3
	Cabinet Weight (KG)	29
	Cabinet Material	6061 Aerospace-Grade Aluminum
Optical Parameter	Brightness (After Calibration)	4,500nits
	Contrast Ratio	8,500:1
	Viewing Angle - Horizontal	140°
	Viewing Angle - Vertical	140°
	Bit Depth	16bits
	Number of Colors	16.7M
	Color Temperature - Default	6,500K (+/- 500K)
	Color Temperature - Adjustable	2,800 ~ 16,000K
	Refresh Rate	≥ 7,680 Hz
Electrical Parameter	Input Power	200~240V VAC, 50/60 Hz
	Power Consumption Maximum	550 W
	Power Consumption Typical	180 W
	Driving Mode	1/8 Scan
Operation Conditions	Working Temperature/ Humidity	-30°C to 50°C / 10~90%
	Storage Temperature/Humidity	-30°C to 60°C / 10~90%
	Cooling Techology	Module:6061 Aerospace-Grade Aluminum
	IP Rating (Front/Rear)	IP66
	LED Lifetime	>100,000 hours
	Monitoring Function	Cabinet Temperature, Receiving Card Status
Service	Service and Maintenance	Full Front&Rear
Certification	Certification	EMC Class A, CE, ROHS,
	Certification	ETL, FCC 15/B, cRUus, CCC
Package	Box Type	Heavy Duty Wooden Box
	Stacking	Maximum 2 Vertically
Warranty	Warranty	5 Years

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