



Features

- Die-Cast Aluminum
- 4-Layer PCB
- IP65 Rating
- Chuangliang Power Supply
- High Yield Rate
- 3 Years Standard Warranty (extendable up to 5 years)

The Orion P10 Outdoor Rigel Series is built for strong and reliable outdoor performance. With an IP65-rated cabinet, it is protected against dust and water, while delivering high brightness and clear visibility in all lighting conditions.

Made with high-quality PCBA material and 4-layer PCBs, the boards are heat-treated before LED mounting to ensure long life and durability. It also features color-coded cables and a built-in fuse in every cabinet for safe and easy installation and maintenance.

Technical Specification

S.NO.	Product Parameter	SMD P10
1	Pixel Pitch in mm	10
2	Pixel Density in sqm	10,000
3	Module Size in mm	320 x 160
4	Cabinet Size in mm	960 x 960
5	Cabinet Weight in KG	27
6	Viewing Angle in H/V	140/140
7	Brightness in cd/sqm	6000
8	Color Depth	14 bit
9	Refresh Rate in Hz	≥3840
10	Voltage	220v
11	Avg. Power Consumption (W)	225
12	Max Power Consumption (W)	650
13	Service Excess	Rear
14	IP Grade Front/Rear	65/54
15	Operating Temperature (-/+)	-10°C~+65°C
16	Operating Humidity	0-99%
17	Life Time in hrs	100,000
18	MTBF in hrs	5,000

S.No.	Component Parameter	SMD P10
1	LED Chip	Nationstar Copper
2	PCB	4 layer
3	Driver IC	ICN/MBI
4	Power Supply	Chuangliang
5	Controller	Nova
6	Cabinet Material	Die Cast

Specifications and product information are subject to change without prior notice due to ongoing innovation and development. For the most up-to-date details, please visit www.orion-led.com.

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