



## Features

- Die-Cast Aluminum
- Nationstar Copper LED
- 4-Layer PCB
- IP65 Rating
- Precision Assembly (<0.1mm)
- Adjustable Cabinet Lock
- 3 Years Standard Warranty (extendable up to 5 years)

The Orion P2.5 Outdoor Rigel Series is built to deliver outstanding visual performance and reliability in outdoor environments. The power supply is provided by Chuangliang, and control is managed through the trusted Nova system. Designed for durability and precision, the series uses die-cast aluminum cabinets with an attractive and functional design, including adjustable locks with less than 0.1mm tolerance for seamless alignment. A specially engineered louver design enhances contrast without compromising the wide viewing angle, making it suitable for both indoor and outdoor use. Advanced surface mount technology ensures accurate and consistent paste application, with automatic rejection of flawed prints, increasing production efficiency.

### Technical Specification

S.NO.	Product Parameter	SMD P2.5
1	Pixel Pitch in mm	2.5
2	Pixel Density in sqm	160,000
3	Module Size in mm	320X160
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	4,500
8	Color Depth	14 bit
9	Refresh Rate in Hz	≥3840
10	Voltage	220v
11	Avg. Power Consumption (W)	300
12	Max Power Consumption (W)	700
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 P2.5
1	LED Chip	Nationstar Copper
2	PCB	4 layer
3	Driver IC	ICN/DP/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](http://www.orion-led.com).



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