



Features

- Die-Cast Aluminum
- Black SMD 1515
- Anti-Reflection Mask
- Side Lock Design
- Front Access
- Wall Mountable Design
- 3 Years Standard Warranty (extendable up to 5 years)

The Orion P1.8 Indoor Rigel Series is a high-precision LED display designed for exceptional indoor visual performance. It features black SMD 1515 LEDs and a fine pixel pitch of 1.875 mm, delivering clear, high-contrast visuals with great depth and gradation. Designed for convenience, it supports full front access and wall mounting for easy servicing. A specialized mask reduces light reflection, while a durable plastic back shell protects the PCB from physical damage. Installation is streamlined with flight plugs and side locks, and the fanless metal cooling system ensures silent operation with effective heat dissipation. This display offers a reliable and flexible solution for professional indoor LED applications.

Technical Specification

S.NO.	Product Parameter	SMD P1.8
1	Pixel Pitch in mm	1.86
2	Pixel Density in sqm	284,444
3	Module Size in mm	320X160
4	Cabinet Size in mm	640X480
5	Cabinet Weight in KG	6.5
6	Viewing Angle in H/V	160/140
7	Brightness in cd/sqm	850
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	Front
14	IP Grade Front/Rear	31/31
15	Operating Temperature (-/+)	0°C~+50°C
16	Operating Humidity	0-50%
17	Life Time in hrs	100,000
18	MTBF in hrs	5,000

S.No.	Component Parameter	SMD P1.8
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.



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