



Features

- Die-Cast Aluminum
- Heat-Treated PCBs
- Built-in Fuse
- IP65 Rating
- Meanwell Power Supply
- High Yield Rate
- 3 Years Standard Warranty (extendable up to 5 years)

The Orion P6.6 Outdoor Rigel Series is engineered for reliable outdoor performance, combining durability, clarity, and safety in a refined design. Equipped with Nationstar LED chips and encapsulation, the display delivers high brightness and contrast, ideal for outdoor environments. The use of advanced surface mount technology enables precise control over solder paste application, with automated rejection of flawed prints to ensure a higher yield rate during production. The system uses high-quality 4-layer PCBs that are heat-treated for at least 24 hours before SMD LED installation, enhancing product longevity and reliability. It also features premium color-coded cables and a built-in fuse in each cabinet to support safe installation and maintenance. Powered by a trusted Meanwell power supply and driven by the ICN2153 driver IC, this series ensures stable and efficient operation across varied usage scenarios.

S.NO.	Product Parameter	SMD P6.6
1	Pixel Pitch in mm	6.6
2	Pixel Density in sqm	23104
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	5,500
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 P6.6
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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