



Features

- IP65 protection
- High brightness
- Surface mount technology
- Heat-treated PCB
- Precision cabinet
- Wide viewing
- 2 Years Standard Warranty (extendable up to 3 years)

The Orion P2.5 Outdoor Bellatrix Series is engineered to deliver exceptional performance in demanding outdoor environments. It features high-quality Atenti SMD LED chips, a durable 2-layer PCB, and reliable ICN/SM/DP driver ICs, all powered by Rong and controlled through Nova systems. Built with a precision die-cast aluminum cabinet and adjustable locking mechanism, it ensures seamless alignment with less than 0.1mm tolerance. Its unique louver design enhances visibility during daytime use without compromising the viewing angle. With cutting-edge surface mount technology and a strict quality control process, including 24-hour PCB heat treatment, the series guarantees stability, consistency, and superior image performance.

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	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	4,000
8	Color Depth	14 bit
9	Refresh Rate in Hz	≥3840
10	Voltage	220v
11	Avg. Power Consumption (W)	350
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	50,000
18	MTBF in hrs	5,000

S.No.	Component Parameter	SMD P2.5
1	LED Chip	Atenti SMD
2	PCB	2 layer
3	Driver IC	ICN/SM/DP
4	Power Supply	Rong
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.

ATENTI | ORIGINS

ATENTI ORIGINS PHOTOELECTRICITY CONSORT PVT.LTD.

Reg. Office: 504, 5th Floor ABW Elegance Tower, Jasola District Centre, Jasola, New Delhi - 110025

Branch Offices: Lucknow, Mumbai, Hyderabad

Factory : B-10, Sector-88, Noida - 201301

