

INDOOR LED DISPLAY

SIGMA SERIES



Superior
Visuals



IP31 Front
Protection



Advanced Heat
Dissipation

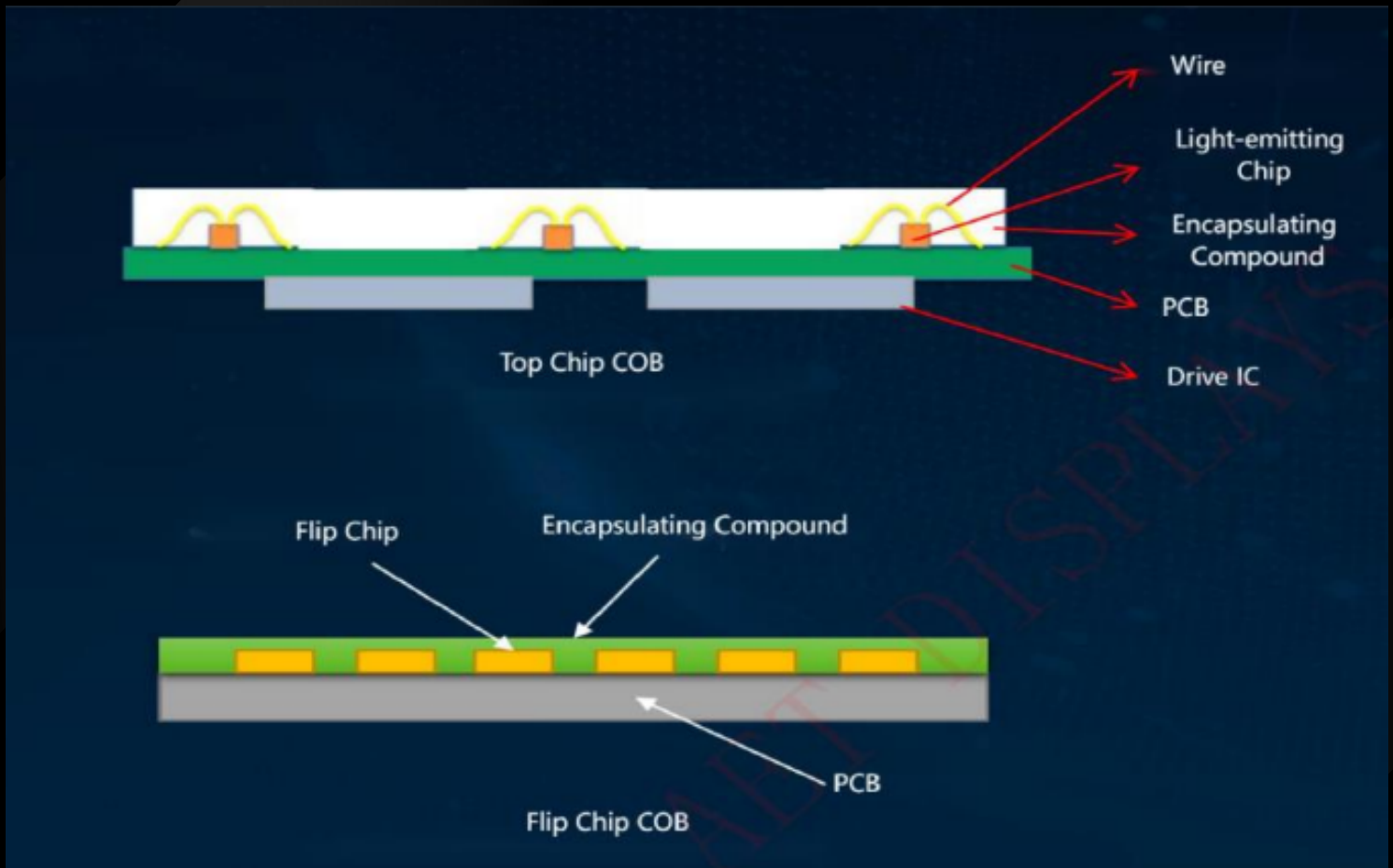


High Contrast
& Uniformity

TECHNOLOGY

COB (CHIP ON BOARD)

The **Sigma Series** is built on advanced **COB (Chip-on-Board) technology**, where multiple LED chips are directly mounted and encapsulated on the surface of a circuit board to form a single, integrated module. This design enhances durability, protection, and visual uniformity while minimizing gaps between pixels. With this technology, the **Sigma Series** delivers deeper contrast, smoother visuals, and a premium viewing experience.



FEATURES OF COB TECHNOLOGY



High Durability & Protection



Superior Visual Uniformity



Enhanced Heat Dissipation

KEY FEATURES



IP31 Front Protection

Designed for reliable front-side durability against dust and minor contact, ensuring consistent performance in controlled indoor environments.



Superior Visuals

Flawless, seamless display delivering unmatched clarity and precision, enhancing content with sharp detail and immersive visual quality.



Advanced Heat Dissipation

Engineered to efficiently manage heat for stable operation, extending lifespan while maintaining peak performance.



High Contrast & Uniformity

Delivers deep contrast with consistent color and brightness, ensuring bold and uniform visuals across the entire screen.



Wide Viewing Angle

Maintains consistent brightness and color from every direction, providing clear visibility across diverse viewing positions.



Lightweight

Designed for easy installation with a sleek, modern profile, reducing structural load without compromising strength.

APPLICATIONS



Control & Command Centers



Premium Retail Showrooms



Corporate Boardrooms



Home Theaters & Luxury Spaces



Experience Centers

TECHNICAL SPECIFICATIONS

Sigma Prime Series

S. No.	Product Parameter	P0.9	P1.25	P1.56
1	LED Type	COB	COB	COB
2	Pixel Pitch(mm)	0.9375	1.25	1.5625
3	Pixel Density (pixels/ m ²)	1,137,778	640,000	409,600
4	Cabinet Dimension(mm)	600 x 337.5	600 x 337.5	600 x 337.5
5	Cabinet Resolution(dot)(WXM)	640 x 360	480 x 270	384 x 216
6	Module Dimension(mm)	150 x 168.75	150 x 168.75	150 x 168.75
7	Module Resolution(dot)(WXM)	160 x 180	120 x 135	96 x 108
8	Module quantity(WXM)	4 x 2	4 x 2	4 x 2
9	Cabinet material	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum
10	Viewing Angle	H 170°, V 170°	H 170°, V 170°	H 170°, V 170°
11	Brightness	≥600 m ²	≥600 m ²	≥600 m ²
12	Color uniformity	≥99.8%	≥99.8%	≥99.8%
13	Contrast Ratio	10000:1	10000:1	10000:1
14	Color Temperature	5000-12000 Optional	5000-12000 Optional	5000-12000 Optional
15	Frame-changing Frequently	50/60	50/60	50/60
16	Drive Method	1/60	1/60	1/48
17	Connection Technology	Common Cathode	Common Cathode	Common Cathode
18	Refresh rate	≥3840HZ	≥3840HZ	≥3840HZ
19	Max. Power Consumption (w/m ²)	420	420	420
20	Avg. Power Consumption (w/m ²)	150	150	150
21	Service Access	Total Front Access	Total Front Access	Total Front Access
22	IP Grade	IP31	IP31	IP31
23	Operating Temp/Humidity	0°C~50°C, 10~90%RH	0°C~50°C, 10~90%RH	0°C~50°C, 10~90%RH
24	Storage Temp/Humidity	0°C~60°C, 10~90%RH	0°C~60°C, 10~90%RH	0°C~60°C, 10~90%RH
25	Weight/Cabinet(KGS)	≤4.5KGS	≤4.5KGS	≤4.5KGS
26	System Controller	Novastar	Novastar	Novastar

TECHNICAL SPECIFICATIONS

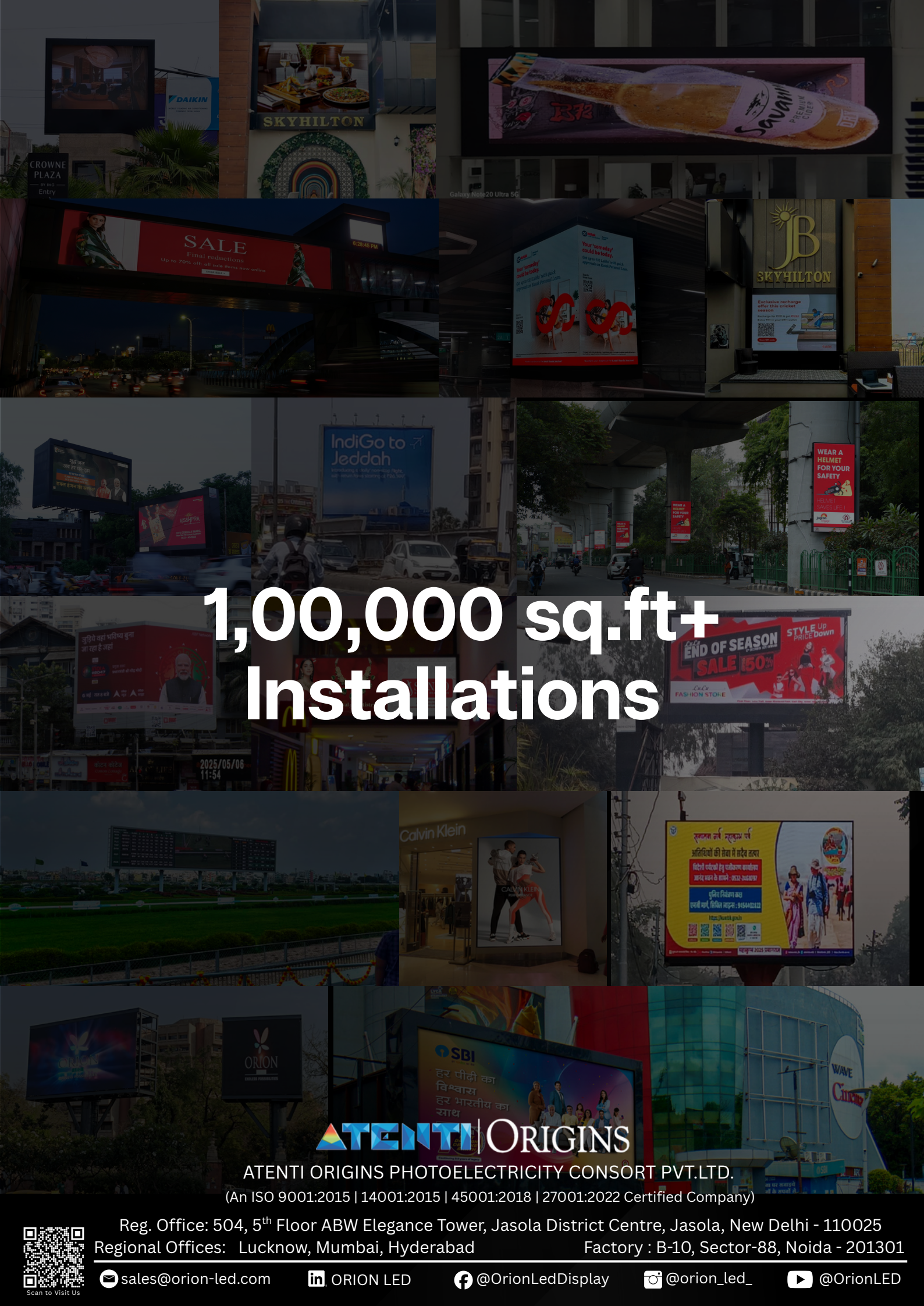
Sigma Edge Series

S. No.	Product Parameter	P0.9	P1.25	P1.56
1	LED Type	COB	COB	COB
2	Pixel Pitch(mm)	0.9375	1.25	1.5625
3	Pixel Density (pixels/ m ²)	1,137,778	640,000	409,600
4	Cabinet Dimension(mm)	600 x 337.5	600 x 337.5	600 x 337.5
5	Cabinet Resolution(dot)(WXM)	640 x 360	480x270	384x216
6	Module Dimension(mm)	150 x 168.75	150 x 168.75	150 x 168.75
7	Module Resolution(dot)(WXM)	160X180	120x135	96x108
8	Module quantity(WXM)	4x2	4x2	4x2
9	Cabinet material	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum
10	Viewing Angle	H 170°, V 170°	H 170°, V 170°	H 170°, V 170°
11	Brightness	≥600 m ²	≥600 m ²	≥600 m ²
12	Color uniformity	≥90%	≥90%	≥90%
13	Contrast Ratio	10000:1	10000:1	10000:1
14	Color Temperature	5000-12000 Optional	5000-12000 Optional	5000-12000 Optional
15	Frame-changing Frequently	50/60	50/60	50/60
16	Drive Method	1/60	1/60	1/48
17	Connection Technology	Common Anode	Common Anode	Common Anode
18	Refresh rate	≥3840HZ	≥3840HZ	≥3840HZ
19	Max. Power Consumption (w/m ²)	420	420	420
20	Avg. Power Consumption (w/m ²)	150	150	150
21	Service Access	Total Front Access	Total Front Access	Total Front Access
22	IP Grade	IP31	IP31	IP31
23	Operating Temp/Humidity	0°C~50°C, 10~90%RH	0°C~50°C, 10~90%RH	0°C~50°C, 10~90%RH
24	Storage Temp/Humidity	0°C~60°C, 10~90%RH	0°C~60°C, 10~90%RH	0°C~60°C, 10~90%RH
25	Weight/Cabinet(KGS)	≤4.5KGS	≤4.5KGS	≤4.5KGS
26	System Controller	Novastar	Novastar	Novastar

TECHNICAL SPECIFICATIONS

Sigma Core Series				
S. No.	Product Parameter	P0.9	P1.25	P1.56
1	LED Type	COB	COB	COB
2	Pixel Pitch(mm)	0.9375	1.25	1.5625
3	Pixel Density (pixels/ m²)	1,137,778	640,000	409,600
4	Cabinet Dimension(mm)	600 x 337.5	600 x 337.5	600 x 337.5
5	Cabinet Resolution(dot)(WXM)	640 x 360	480x270	384x216
6	Module Dimension(mm)	150 x 168.75	150 x 168.75	150 x 168.75
7	Module Resolution(dot)(WXM)	160X180	120x135	96x108
8	Module quantity(WXM)	4x2	4x2	4x2
9	Cabinet material	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum
10	Viewing Angle	H 170°, V 170°	H 170°, V 170°	H 170°, V 170°
11	Brightness	≥600 m²	≥600 m²	≥600 m²
12	Color uniformity	≥80%	≥80%	≥80%
13	Contrast Ratio	10000:1	10000:1	10000:1
14	Color Temperature	5000-12000 Optional	5000-12000 Optional	5000-12000 Optional
15	Frame-changing Frequently	50/60	50/60	50/60
16	Drive Method	1/60	1/60	1/48
17	Connection Technology	Common Anode	Common Anode	Common Anode
18	Refresh rate	≥3840HZ	≥3840HZ	≥3840HZ
19	Max. Power Consumption (w/m²)	420	420	420
20	Avg. Power Consumption (w/m²)	150	150	150
21	Service Access	Total Front Access	Total Front Access	Total Front Access
22	IP Grade	IP31	IP31	IP31
23	Operating Temp/Humidity	0°C~50°C, 10~90%RH	0°C~50°C, 10~90%RH	0°C~50°C, 10~90%RH
24	Storage Temp/Humidity	0°C~60°C, 10~90%RH	0°C~60°C, 10~90%RH	0°C~60°C, 10~90%RH
25	Weight/Cabinet(KGS)	≤4.5KGS	≤4.5KGS	≤4.5KGS
26	System Controller	Novastar	Novastar	Novastar

Note: 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.



1,00,000 sq.ft+
Installations

ATENTI|ORIGINS

ATENTI ORIGINS PHOTOELECTRICITY CONSORT PVT.LTD.

(An ISO 9001:2015 | 14001:2015 | 45001:2018 | 27001:2022 Certified Company)

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

Regional Offices: Lucknow, Mumbai, Hyderabad

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

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