
ÖSEL
OSEL
microLED

The best micro LED display ever.

Experience microLED displays like never before. True-to-life imagery demands a seamless blend of extremely bright and dark areas, but without precise backlight control, this can result in unwanted blooming. That's why we've incorporated advanced technology, common cathode technology, and intelligent image processing to dramatically reduce blooming and deliver the most stunning and seamless visuals imaginable.

OSEL PRIMEA micro LED brings refined specular highlights, incredible detail in shadows, and vibrant, true-to-life colours. Each display is calibrated in the factory and features pro reference modes for HDR colour grading.

Visible light spectrum / Contrast / Brightness / Energy consumption

Delivers incredibly realistic colors

OSEL Primea microled brings refined specular highlights, incredible detail in shadows, and vibrant, true-to-life colours. Each display is calibrated in the factory and features pro reference modes for HDR colour grading.

Cold screen
Ultra low power consumption

DCI-P3
Wide color gamut coverage

TUV Rheinland
Rheinland certification

120Hz
Image refresh rate

10,000:1
High contrast

HDR 10+
High dynamic display

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ClearView

for cinematic viewing

StudioMotion

adaptive 3840Hz refresh rate

Rec.2020

ultrawide colour gamut

We can do this all day.

OSEL micro LED has the **coolest surface temperature of a LED display ever**. That energy efficiency is the magic of common cathode. So wherever you can envision a LED display or whenever duty calls, run with it.

OSEL micro LED is having optional Pixel Level Detection

0.7mm Pixel Pitch	0.9mm Pixel Pitch	1.2mm Pixel Pitch	1.5mm Pixel Pitch	1.8mm Pixel Pitch
Up to	Up to	Up to	Up to	Up to
140 w/m²	134 w/m²	125 w/m²	117 w/m²	110 w/m²
Typical Power Consumption	Typical Power Consumption	Typical Power Consumption	Typical Power Consumption	Typical Power Consumption

ÖSEL®

16

bit depth

800

nits peak brightness

3840

Hz refresh rate

10,000:1

contrast ratio

640,000

pixels/m^2*

*Claim refers to 600mm x 337.5mm x 39mm cabinet in P1.2mm

OSEL Micro LED

OSEL microLED have been crafted in tandem, with every detail meticulously designed to provide you with an immersive experience like no other. The automatic module calibration, precise grayscale adjustments, HDR10 with HLG capabilities, and minimal frame latency all work together seamlessly to transport you into a world of unparalleled visual.

SPECIFICATIONS

Make: OSEL Model: PRIMEA

	Parameter	Values	Values
Physical Parameters	Pixel Pitch	0.9375mm	0.78125 mm
	Pixel Configuration	Micro LED	Micro LED
	Cabinet Type	Die Cast Aluminium	Die Cast Aluminium
	Cabinet Size (WxHXD) mm	600x337.5x39	600x337.5x39
	Cabinet Weight (kg)	5.2	5.2
	Cabinet Resolution (LXH) pixels	640x360	768x432
	Pixel Density	1137778	1638400
	Aspect Ratio	16:9	16:9
	Ingress Protection	IP20	IP20
	Maintenance	Front Service	Front Service
Optical Parameters	Brightness (nits)	800	800
	Refresh Rate (Hz)	3840	3840
	Contrast Ratio	10000:1	10000:1
	Color Temperature (K)	2500~10000	2500~10000
	Viewing Angle (H/V)	160°/160°	160°/160°
	Display Color	16 Bit	16 Bit
	HDR Compatibility	Yes	Yes
	Brightness Uniformity	95%	95%
Electrical Parameters	Features	Common Cathode	Common Cathode
	Power consumption Typical (W/m²)	≤134	≤140
	Working Voltage	AC: 100V~240V, 50~60 Hz	AC:100V~240V, 50~60 Hz
Additional Features	Lifetime (Hours)	1,00,000	1,00,000
	Operating Temp (°C)	-20~+60	-20~+60
	Humidity Range (%)	10~90	10~90

Design and specifications are subject to change without prior notice

OSEL DEVICES LIMITED | Signature Tower First floor, plot no 3, Sector knowledge park- III, Greater Noida City-201308, Uttar Pradesh, India **Tel:** 1800-890-4398 **Website:** www.oseltech.com