

Flexible LED Display

LV-MR19 / LV-MR26 / LV-MR29 / LV-MR39 Flexible Series

High-refresh indoor flexible LED display platform designed around 500 x 500 mm panels, multiple pixel-pitch options and rear-maintenance architecture.

Pixel Pitch	1.953 / 2.604 / 2.976 / 3.91 mm
Panel Size	500 x 500 x 78 mm
Refresh Rate	> 7680 Hz
Brightness	> 800 nits
Viewing Angle	H160 deg / V140 deg
IP Rating	Front IP20 / Rear IP20
Life Span	100,000 Hours

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Series Comparison

Model	Pitch	Density	Structure	Panel Res.	Avg Power	Distance
LV-MR19	1.953 mm	262,144 pixels/sqm	SMD1415 + GOB	256 x 256 dots	< 200 W/m2	> 1.9 m
LV-MR26	2.604 mm	147,456 pixels/sqm	SMD1415	192 x 192 dots	< 180 W/m2	> 2.6 m
LV-MR29	2.976 mm	112,896 pixels/sqm	SMD2020	168 x 168 dots	< 200 W/m2	> 2.9 m
LV-MR39	3.91 mm	65,536 dots/sqm	SMD2020	128 x 128 dots	< 180 W/m2	> 3.9 m

Common Specifications

Module Size	500 x 250 mm
Panel Size	500 x 500 x 78 mm
Module Arrangement	1 x 2 pcs
Refresh Rate	> 7680 Hz
Panel Weight	7.0 kg +/- 0.5 kg
Brightness	> 800 nits
Viewing Angle	H160 deg / V140 deg
Working Voltage	AC 100-240V (+/-10%)
IP Rating	Front IP20 / Rear IP20
Maintenance	Rear Maintenance
Max Power Consumption	< 580 W/m2
Life Span	100,000 Hours

LV-MR19 Flexible

Specification	Value
Pixel Pitch	1.953 mm
Resolution	262,144 pixels/sqm
Pixel Structure	SMD1415 + GOB
Module Size	500 x 250 mm
Module Resolution	256 x 128 dots
Panel Size	500 x 500 x 78 mm
Panel Resolution	256 x 256 dots
Module Arrangement	1 x 2 pcs
Refresh Rate	> 7680 Hz
Panel Weight	7.0 kg +/- 0.5 kg
Brightness	> 800 nits
Best Viewing Distance	> 1.9 m
Best Viewing Angle	H160 deg / V140 deg
Working Voltage	AC 100-240V (+/-10%)
IP Rating	Front IP20 / Rear IP20
Maintenance Way	Rear Maintenance
Max Power Consumption	< 580 W/m2
Average Power Consumption	< 200 W/m2
Life Span	100,000 Hours

LV-MR26 Flexible

Specification	Value
Pixel Pitch	2.604 mm
Resolution	147,456 pixels/sqm
Pixel Structure	SMD1415
Module Size	500 x 250 mm
Module Resolution	192 x 96 dots
Panel Size	500 x 500 x 78 mm
Panel Resolution	192 x 192 dots
Module Arrangement	1 x 2 pcs
Refresh Rate	> 7680 Hz
Panel Weight	7.0 kg +/- 0.5 kg
Brightness	> 800 nits
Best Viewing Distance	> 2.6 m
Best Viewing Angle	H160 deg / V140 deg
Working Voltage	AC 100-240V (+/-10%)
IP Rating	Front IP20 / Rear IP20
Maintenance Way	Rear Maintenance
Max Power Consumption	< 580 W/m2
Average Power Consumption	< 180 W/m2
Life Span	100,000 Hours

LV-MR29 Flexible

Specification	Value
Pixel Pitch	2.976 mm
Resolution	112,896 pixels/sqm
Pixel Structure	SMD2020
Module Size	500 x 250 mm
Module Resolution	168 x 84 dots
Panel Size	500 x 500 x 78 mm
Panel Resolution	168 x 168 dots
Module Arrangement	1 x 2 pcs
Refresh Rate	> 7680 Hz
Panel Weight	7.0 kg +/- 0.5 kg
Brightness	> 800 nits
Best Viewing Distance	> 2.9 m
Best Viewing Angle	H160 deg / V140 deg
Working Voltage	AC 100-240V (+/-10%)
IP Rating	Front IP20 / Rear IP20
Maintenance Way	Rear Maintenance
Max Power Consumption	< 580 W/m2
Average Power Consumption	< 200 W/m2
Life Span	100,000 Hours

LV-MR39 Flexible

Specification	Value
Pixel Pitch	3.91 mm
Resolution	65,536 dots/sqm
Pixel Structure	SMD2020
Module Size	500 x 250 mm
Module Resolution	128 x 64 dots
Panel Size	500 x 500 x 78 mm
Panel Resolution	128 x 128 dots
Module Arrangement	1 x 2 pcs
Refresh Rate	> 7680 Hz
Panel Weight	7.0 kg +/- 0.5 kg
Brightness	> 800 nits
Best Viewing Distance	> 3.9 m
Best Viewing Angle	H160 deg / V140 deg
Working Voltage	AC 100-240V (+/-10%)
IP Rating	Front IP20 / Rear IP20
Maintenance Way	Rear Maintenance
Max Power Consumption	< 580 W/m2
Average Power Consumption	< 180 W/m2
Life Span	100,000 Hours

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Technical data in this document follows the specifications supplied for the LV-MR Flexible series. The referenced Luxon Visual id-34 page was unavailable to the web fetcher at generation time, so no unsupported website-only values were added.