

Outdoor Rental LED Display MQ Series

Modular Rental LED Display for Events, Staging & Commercial Installations

The MQ Series is designed for professional rental and event applications, combining modular 500 x 500 mm / 500 x 1000 mm cabinet formats, high refresh performance and scalable installation. The series covers fine-pitch indoor-style rental configurations and a high-brightness MQO39 option for stronger ambient-light environments.

Pixel Pitch	1.953 / 2.604 / 2.976 / 3.91 mm
Cabinet Options	500 x 500 x 64 / 500 x 1000 x 64 mm
Refresh Rate	>7680 Hz
Brightness	800+ nits / MQO39: 4000+ nits
Viewing Angle	H160 / V140 deg
Life Span	100,000 Hours

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Series Comparison

Model	Pitch	LED	Cabinet	Refresh	Brightness	Distance
LV-MQ19	1.953 mm	SMD1415 GOB	500 x 500 x 64 / 500 x 1000	>7680 Hz	800+ nits	1.9+ m
LV-MQ26	2.604 mm	SMD1415	500 x 500 x 64 / 500 x 1000	>7680 Hz	800+ nits	2.6+ m
LV-MQ29	2.976 mm	SMD2020	500 x 500 x 64 / 500 x 1000	>7680 Hz	800+ nits	2.9+ m
LV-MQ39	3.91 mm	SMD2020	500 x 500 x 64 / 500 x 1000	>7680 Hz	800+ nits	3.9+ m
LV-MQO39	3.91 mm	SMD1820	500 x 500 x 64 / 500 x 1000	>7680 Hz	4000+ nits	3.9+ m

Application Highlights

Concerts & Stage Production	High-refresh modular panels for live visuals and camera-friendly event content.
Conferences & Corporate Events	Scalable display walls for presentations, launches and branded environments.
Trade Shows & Exhibitions	Flexible cabinet combinations for temporary stands and large visual installations.
Retail & Museums	High-impact digital storytelling and immersive branded display applications.
Outdoor / High Ambient Light	MQO39 reference configuration provides 4000+ nits brightness for demanding environments.

LV-MQ19

Specification	Value
Pixel Pitch	1.953 mm
Pixel Density	262,144 pixels/sqm
Pixel Structure	SMD1415 GOB
Module Size	250 x 250 mm
Module Resolution	128 x 128 dots
Panel Size	500 x 500 x 64 / 500 x 1000 x 64 mm
Panel Resolution	256 x 256 dots
Module Arrangement	2 x 2 pcs
Refresh Rate	>7680 Hz
Panel Weight	7.0 kg +/-0.5 (500x500)
Brightness	800+ nits
Best Viewing Distance	1.9+ m
Best Viewing Angle	H160 / V140 deg
Working Voltage	AC100-240V (+/-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-MQ26

Specification	Value
Pixel Pitch	2.604 mm
Pixel Density	147,456 pixels/sqm
Pixel Structure	SMD1415
Module Size	250 x 250 mm
Module Resolution	96 x 96 dots
Panel Size	500 x 500 x 64 / 500 x 1000 x 64 mm
Panel Resolution	192 x 192 dots
Module Arrangement	2 x 2 pcs
Refresh Rate	>7680 Hz
Panel Weight	7.0 kg +/-0.5 (500x500)
Brightness	800+ nits
Best Viewing Distance	2.6+ m
Best Viewing Angle	H160 / V140 deg
Working Voltage	AC100-240V (+/-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-MQ29

Specification	Value
Pixel Pitch	2.976 mm
Pixel Density	112,896 pixels/sqm
Pixel Structure	SMD2020
Module Size	250 x 250 mm
Module Resolution	84 x 84 dots
Panel Size	500 x 500 x 64 / 500 x 1000 x 64 mm
Panel Resolution	168 x 168 dots
Module Arrangement	2 x 2 pcs
Refresh Rate	>7680 Hz
Panel Weight	7.0 kg +/-0.5 (500x500)
Brightness	800+ nits
Best Viewing Distance	2.9+ m
Best Viewing Angle	H160 / V140 deg
Working Voltage	AC100-240V (+/-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-MQ39

Specification	Value
Pixel Pitch	3.91 mm
Pixel Density	65,536 dots/sqm
Pixel Structure	SMD2020
Module Size	250 x 250 mm
Module Resolution	64 x 64 dots
Panel Size	500 x 500 x 64 / 500 x 1000 x 64 mm
Panel Resolution	128 x 128 dots
Module Arrangement	2 x 2 pcs
Refresh Rate	>7680 Hz
Panel Weight	7.0 kg +/-0.5 (500x500)
Brightness	800+ nits
Best Viewing Distance	3.9+ m
Best Viewing Angle	H160 / V140 deg
Working Voltage	AC100-240V (+/-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-MQO39

Specification	Value
Pixel Pitch	3.91 mm
Pixel Density	65,536 dots/sqm
Pixel Structure	SMD1820
Module Size	250 x 250 mm
Module Resolution	64 x 64 dots
Panel Size	500 x 500 x 64 / 500 x 1000 x 64 mm
Panel Resolution	128 x 128 dots
Module Arrangement	2 x 2 pcs
Refresh Rate	>7680 Hz
Panel Weight	7.0 kg +/-0.5 (500x500)
Brightness	4000+ nits
Best Viewing Distance	3.9+ m
Best Viewing Angle	H160 / V140 deg
Working Voltage	AC100-240V (+/-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

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Technical specifications are based on the matching Luxon Visual MQ Series data recovered from the current public product page/search index. Final project configuration should be confirmed before quotation and production.