

# Datasheet MSM-Foil

(Media Screen Matrix)



Last update: 23.3.2019  
Status: released

Technical datasheet	MSM 50/1600 transparent	MSM 50/1600 black	MSM 50/1600 deep black	MSM 50/1600 white	MSM 50/1600 customized logo
Ordering number	PEN: <b>Z200008</b>	PI: <b>Z200007</b>	PI: on request	PI: <b>Z200006</b>	PI: <b>Z200012</b>
Pitch Configuration	1R1G1B SMD	Outdoor - on demand / auf Anfrage 1R1G1B SMD	1R1G1B SMD	Outdoor - on demand / auf Anfrage 1R1G1B SMD	1R1G1B SMD
Foil Material	PEN (Polyethylenphthalat)	PI (Polyimide)	PI (Polyimide)	PI (Polyimide)	PI (Polyimide)
Surface color	transparent	black	deep black (no gloss)	white	customized logo (cross foils)
Pixel Pitch	50 mm	50 mm	50 mm	50 mm	50 mm
Pixel per tile (hor. vert)	12x12	12x12	12x12	12x12	12x12
Density (dots / m²)	400 dots / m²	400 dots / m²	400 dots / m²	400 dots / m²	400 dots / m²
Brightness	1600 nits video mode	1600 nits video mode	1600 nits video mode	1600 nits video mode	1600 nits video mode
Dimensions of Tile / Segment (hor. vert)	600 x 600 mm	600 x 600 mm	600 x 600 mm	600 x 600 mm	600 x 600 mm
Bending radius - x direction (left to right) incl. LED Driver	1m	1m	1m	1m	1m
Bending radius - y direction (top - bottom) - incl. LED Driver	0.3m	0.3m	0.3m	0.3m	0.3m
Bending radius - all direction outside see drawing below LED Driver protected bending area	0.1m	0.1m	0.1m	0.1m	0.1m
Layout	non symmetric	non symmetric	non symmetric	non symmetric	non symmetric
Usage	Indoor only	Indoor Outdoor optional (PI)	Indoor Outdoor optional (PI)	Indoor Outdoor optional (PI)	Indoor Outdoor optional (PI)
Max power consumption	85 W / m²	85 W / m²	85 W / m²	85 W / m²	85 W / m²
Average power consumption	43 W / m²	43 W / m²	43 W / m²	43 W / m²	43 W / m²
Weight / m²	250 g / m²	270 g / m²	460 g / m²	270 g / m²	280 g / m²
Input Voltage	AC 230 V / 50 Hz and AC 110 V / 60 Hz	AC 230 V / 50 Hz and AC 110 V / 60 Hz	AC 230 V / 50 Hz and AC 110 V / 60 Hz	AC 230 V / 50 Hz and AC 110 V / 60 Hz	AC 230 V / 50 Hz and AC 110 V / 60 Hz
Color point (default)	6500K	6500K	6500K	6500K	6500K
Colors	24 bit 16.7 Mio.	24 bit 16.7 Mio.	24 bit 16.7 Mio.	24 bit 16.7 Mio.	24 bit 16.7 Mio.
Frame rate (Hz)	10-60Hz	10-60Hz	10-60Hz	10-60Hz	10-60Hz
Refresh rate	4000 Hz	4000 Hz	4000 Hz	4000 Hz	4000 Hz
Resolution	12x12	12x12	12x12	12x12	12x12
Maximum number of connected tiles @24V	6	6	6	6	6
Light transmittance @24V	40% in transparent mode	non	non	non	non
IP rating					
Video input	...L:PIXC...	...L:PIXC...	...L:PIXC...	...L:PIXC...	...L:PIXC...
Supply voltage	+24V (+18V - +28V)	+24V (+18V - +28V)	+24V (+18V - +28V)	+24V (+18V - +28V)	+24V (+18V - +28V)
Operating temperature	+10°C - +40°C	+10°C - +40°C	+10°C - +40°C	+10°C - +40°C	+10°C - +40°C
Storage temperature	-20°C - +70°C	-20°C - +70°C	-20°C - +70°C	-20°C - +70°C	-20°C - +70°C
LEDlifetime	60.000h (video mode, 50% brightness)	60.000h (video mode, 50% brightness)	60.000h (video mode, 50% brightness)	60.000h (video mode, 50% brightness)	60.000h (video mode, 50% brightness)
Hor. Viewing angle	>115° (@50% brightness)	>115° (@50% brightness)	>115° (@50% brightness)	>115° (@50% brightness)	>115° (@50% brightness)
Hor. Viewing angle	>115° (@50% brightness)	>115° (@50% brightness)	>115° (@50% brightness)	>115° (@50% brightness)	>115° (@50% brightness)
Weight / tile (g)	90	97.2	160	97.2	100.8
Serviceability	front	front	front	front	front
Warranty	2 years	2 years	2 years	2 years	2 years
Extended Warranty	up to 3-5 years	up to 3-5 years	up to 3-5 years	up to 3-5 years	up to 3-5 years
Certifications	Q1 2018: CE, RoHS, WEE, REACH IEC/EN 62368-1:2014 + AC:2015 EN55032: 2015 EN55024: 2010	Q1 2018: CE, RoHS, WEE, REACH IEC/EN 62368-1:2014 + AC:2015 EN55032: 2015 EN55024: 2010	Q1 2018: CE, RoHS, WEE, REACH IEC/EN 62368-1:2014 + AC:2015 EN55032: 2015 EN55024: 2010	Q1 2018: CE, RoHS, WEE, REACH IEC/EN 62368-1:2014 + AC:2015 EN55032: 2015 EN55024: 2010	Q1 2018: CE, RoHS, WEE, REACH IEC/EN 62368-1:2014 + AC:2015 EN55032: 2015 EN55024: 2010
Availability	now	now	now	now	now
Leadtime	8weeks	10weeks	12weeks	10weeks	14weeks
Picture					
AnyShape bending pattern					
AnyShape cutting pattern	<p style="text-align: center;">right side of this cutting line - cut only if last column</p>				