High Brightness LCD Module

2000nits / 3000nits Series

Product Datasheet | RisingLight Display



RisingLight Display
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Key Features

- 2000 nits / 3000 nits high brightness for outdoor sunlight viewing
- 1300:1 high contrast ratio, excellent outdoor visibility
- Integrated sheet metal housing, high structural strength
- Auto light sensor adjusts brightness, energy saving
- 24V low voltage input, safe and reliable
- Designed for outdoor digital signage and advertising
- OEM / ODM / White Label available

Common Specifications (All Models)

Category	Parameter	Specification
Display	Panel Type	IPS TFT LCD, A-grade industrial panel
	Brightness Options	2000 nits / 3000 nits (by model series)
	Contrast Ratio	1300:1
	Viewing Angle	178 deg H / 178 deg V
	Aspect Ratio	16:9
	Surface Treatment	Anti-glare, Haze 2%
	Color Depth	1.07B colors
	Lifespan	50,000 hours
	Color Temperature	9000K +/- 1500K
	Brightness Uniformity	>90%
	Color Gamut	68% NTSC
	Brightness Range	700nits ~ max (auto dimming)
	Input Voltage	24V DC
	Power Consumption	By size (see model table)
	Display Mode	Transmissive, blackout when power off
	Interface	B-BY-ONE (LVDS alternative available)
	Working Temp	0C ~ +50C
	Storage Temp	-20C ~ +60C
	Cooling	Natural convection / optional fan
	Light Sensor	Auto brightness adjustment (optional)
	Housing	Sheet metal integrated, black powder coating
	Weight	By size (see model table)
	Warranty	1 year
	MOQ	5 pcs
	Lead Time	4-5 weeks
	OEM/ODM	Welcome (custom size, interface, brightness)

2000nits Series Models

Model	Size	Resolution	Brightness	Display Area	Weight	Power
RL-MD27-20	27 inch	1920x1080 (FHD)	2000 nits	598 x 336 mm	6.5 kg	120W
RL-MD32-20	32 inch	1920x1080 (FHD)	2000 nits	698 x 392 mm	8 kg	150W
RL-MD43-20	43 inch	1920x1080 (FHD)	2000 nits	942 x 530 mm	12 kg	180W
RL-MD55-20	55 inch	3840x2160 (UHD)	2000 nits	1208 x 680 mm	10 kg	260W
RL-MD65-20	65 inch	3840x2160 (UHD)	2000 nits	1429 x 804 mm	22 kg	350W
RL-MD75-20	75 inch	3840x2160 (UHD)	2000 nits	1650 x 928 mm	32 kg	450W
RL-MD86-20	86 inch	3840x2160 (UHD)	2000 nits	1893 x 1065 mm	45 kg	600W

Note: 27-43 inch: FHD resolution. 55 inch and above: UHD 4K resolution. Sheet metal housing standard.

3000nits Series Models

Model	Size	Resolution	Brightness	Display Area	Weight	Power
RL-MD27-30	27 inch	1920x1080 (FHD)	3000 nits	598 x 336 mm	7 kg	150W
RL-MD32-30	32 inch	1920x1080 (FHD)	3000 nits	698 x 392 mm	9 kg	180W
RL-MD43-30	43 inch	1920x1080 (FHD)	3000 nits	942 x 530 mm	14 kg	240W
RL-MD55-30	55 inch	3840x2160 (UHD)	3000 nits	1208 x 680 mm	12 kg	320W
RL-MD65-30	65 inch	3840x2160 (UHD)	3000 nits	1429 x 804 mm	25 kg	450W
RL-MD75-30	75 inch	3840x2160 (UHD)	3000 nits	1650 x 928 mm	36 kg	580W
RL-MD86-30	86 inch	3840x2160 (UHD)	3000 nits	1893 x 1065 mm	50 kg	750W

Note: 3000nits series: premium brightness for strong sunlight environments. Sheet metal housing standard. Ideal for outdoor digital signage and window displays.

Applications:

- Outdoor digital signage and advertising displays
- Bus stop and information kiosk screens
- Window facing retail display
- Outdoor TV and commercial display
- Custom OEM display projects