

## Ultra LED Signs

The result of an intensive development program, the Lasermet Ultra Range of LED signs offer state of the art LED technology in a highly aesthetic design.

### Ultra Slim Design

With a thickness of only one inch, these signs are the ultimate in slim-line design and can be wall mounted at any height without causing any form of obstruction or hazard.

The signs are constructed of an aluminium extrusion with textured matt black powder coat finish, moulded black plastic end caps and tinted acrylic front panel, giving a highly desirable appearance.

### Low Voltage Secret Sign

The front panel tint is balanced for maximum contrast and the sign is secret when not lit. Operation is from 24 VDC which is inherently safer than main/AC wall wiring as well as being easier and cheaper to install.

### Custom Legends and Colors to Suit Application

A range of standard signs have been developed. Check our website to see the standard messages which are available.

Lasermet can create custom legends and graphics to customer specification. These can be in the standard white or any color as desired. Dual message signs which display different messages in red and green within the same area of the sign (see our mini LED sign technology for examples of this), can also be created.



### Variable Brightness Option

The Ultra LED signs have an option to incorporate an automatic variable brightness control, enabling the signs to vary their output to match the background illumination. This avoids signs becoming 'flooded out' by sunlight or other illumination, or being overly bright in darker conditions. It also means the signs will save power in low light conditions. Alternatively the signs can be fixed at full brightness or the brightness can be controlled externally by applying a control voltage (0 – 24 VDC).



### Dual Redundancy Option

Lasermet provides an option for the Ultra signs to be shipped with dual LED illuminator boards, which provides redundancy in the case of LED failure.

If true redundancy is required a second control board should be requested (part no: LEDSLT-CB). This fits inside the sign and provides true dual redundancy in the event of LED or control board failure.

The sign can then be run from a single supply or dual supplies for safety critical applications. Monitor contacts can be provided as an option.

### Maintenance Free

The LEDs have a 50,000 hour operational lifetime making these signs effectively maintenance free, eliminating both maintenance costs and risks.

### Sizes

Lasermet Ultra signs are available in either Standard or Large Size.

Standard size: 18.5 inches long  
Large size: 31.1 inches long

Both options are seven inches high and one inch thick.

### Single or Multiple Signs































One sign can produce, in any color, a single message, or two different messages in red and green. Also, a number of signs can be connected together in a stack to create a multiple sign, as shown below.

The signs are suitable for indoor use.

























RT Technologies also offers Weatherproof IP66 Ultra signs. Please visit our website or contact us for more information.

Ultra Range of LED Signs - Specifications		
	Standard Size LEDS-ULT-470	Large Size LEDS-ULT-790
Overall Dimensions (in)	18.5 x 7 x 1	31.1 x 7 x 1
Area available for legend (in)	13.4 x 3.5	26 x 3.5
Weight (lb)	4.4 lb	6.6 lb
Operating Voltage	24 VDC; Optional 110 V AC- 24 V DC Power Supply Available	
Brightness Control Voltage (optional)	0 – 24 VDC	
Maximum current	0.65 A	1.3 A
Cable Entry	Rear or side (via knockouts) Ø20	
	Top or bottom entry is available when wall mounting and using the optional backbox	
Mounting Options	Wall mount - direct	
	Wall mount - with backbox	
	Ceiling mount - using bracket	



Laser Radiation LED Warning Signs – 18.5 in. wide			Laser Radiation LED Warning Signs – 31.1 in. wide		
	2 State Sign (available in white, red, yellow or green)	3 State Sign (both the red and green messages display in one sign)		2 State Sign (available in white, red, yellow or green)	3 State Sign (both the red and green messages display in one sign)
Off			Off		
On - Safe	N/A		On - Safe	N/A	
On - Hazard			On - Hazard		
Part No.	LEDS-ULT-470-L (white) (add -R/-Y/-G for red, yellow or green)	LEDS-ULT-470-L-2W	Part No.	LEDS-ULT-790-L (white) (add -R/-Y/-G for red, yellow or green)	LEDS-ULT-790-L-2W
X-Ray Radiation LED Warning Signs - 18.5 in. wide			X-Ray Radiation LED Warning Signs - 31.1 in. wide		
	2 State Sign (available in white, red, yellow or green)	3 State Sign (both the red and green messages display in one sign)		2 State Sign (available in white, red, yellow or green)	3 State Sign (both the red and green messages display in one sign)
Off			Off		
On – Safe	N/A		On - Safe	N/A	
On – Hazard			On - Hazard		
Part No.	LEDS-ULT-470-XR (white) (add -R/-Y/-G for red, yellow or green)	LEDS-ULT-470-XR-2W	Part No.	LEDS-ULT-790-XR (white) (add -R/-Y/-G for red, yellow or green)	LEDS-ULT-790-XR-2W
Access Prohibited LED Signs - 18.5 in. wide			Access Prohibited LED Signs - 31.1 in. wide		
	2 State Sign (available in white, red, yellow or green)	3 State Sign (both the red and green messages display in one sign)		2 State Sign (available in white, red, yellow or green)	3 State Sign (both the red and green messages display in one sign)
Off			Off		
On – Safe	N/A		On - Safe	N/A	
On – Hazard			On – Hazard		
Part No.	LEDS-ULT-470-AP (white) (add -R/-Y/-G for red, yellow or green)	LEDS-ULT-470-AP-2W	Part No.	LEDS-ULT-790-AP (white) (add -R/-Y/-G for red, yellow or green)	LEDS-ULT-790-AP-2W



Do Not Enter LED Warning Signs - 18.5 in. wide			Do Not Enter LED Warning Signs - 31.1 in. wide		
	2 State Sign (available in white, red, yellow or green)	3 State Sign (both the red and green messages display in one sign)		2 State Sign (available in white, red, yellow or green)	3 State Sign (both the red and green messages display in one sign)
Off			Off		
On - Safe	N/A		On - Safe	N/A	
On - Hazard			On - Hazard		
Part No.	LEDS-ULT-470-DNE (white) (add -R/-Y/-G for red, yellow or green)	LEDS-ULT-470-DNE-2W	Part No.	LEDS-ULT-790-DNE (white) (add -R/-Y/-G for red, yellow or green)	LEDS-ULT-790-DNE-2W
Open / Closed LED Signs - 18.5 in. wide			Open / Closed LED Signs - 31.1 in. wide		
	2 State Sign (available in white, red, yellow or green)	3 State Sign (both the red and green messages display in one sign)		2 State Sign (available in white, red, yellow or green)	3 State Sign (both the red and green messages display in one sign)
Off			Off		
On - State A			On - State A		
Part No.	LEDS-ULT-470-OP (white) (add -R/-Y/-G for red, yellow or green)	N/A	Part No.	LEDS-ULT-790-OP (white) (add -R/-Y/-G for red, yellow or green)	N/A
On - State B			On - State B		
Part No.	LEDS-ULT-470-CD (white) (add -R/-Y/-G for red, yellow or green)	LEDS-ULT-470-CD-2W	Part No.	LEDS-ULT-790-CD (white) (add -R/-Y/-G for red, yellow or green)	LEDS-ULT-790-CD-2W
Boarding LED Signs - 31.1 in. wide					
	2 State Sign (available in white, red, yellow or green)				
Off					
On					
Part No.	LEDS-ULT-790-BDG (white) (add -R/-Y/-G for red, yellow or green)				

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