

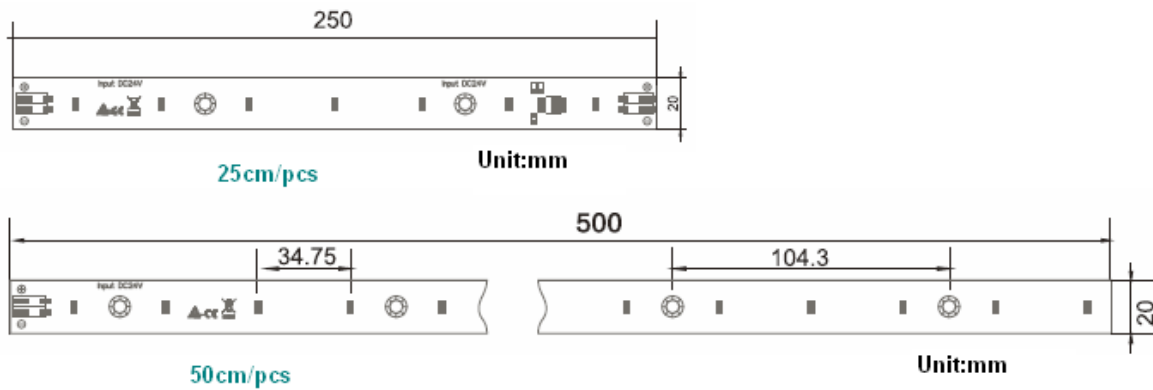


## SPEC SHEET: WAVELUX ULTRA SHORT THROW LIGHT BAR

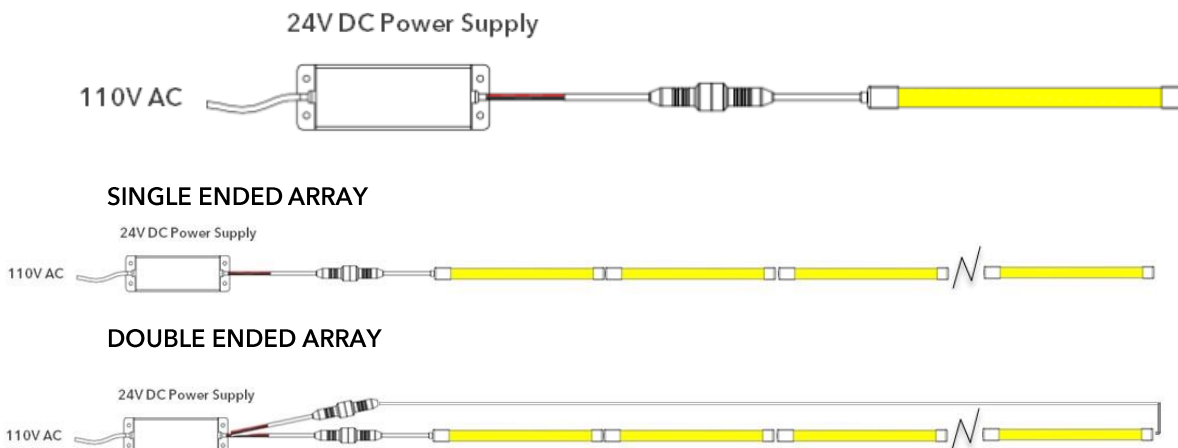
The Wavelux Ultra-Short Throw Light Bar is a specially designed light bar for retail and tradeshow environments for customers looking to backlight SEG graphics, Vinyl Decals or common LED Light Boxes. The high light output and near instant diffusion means the lighting elements can be spaced out farther apart, requiring less power to achieve beautiful even illumination. Its design allows to be installed directly to surfaces and comes complete with enough heat sinking to require very little ventilation. Before you try side-lit illuminating light boxes, make sure to check out the Wavelux Ultra-Short Throw Light Bar instead.

Size	SKU	Color	Voltage	Brightness	Consumption	RATING
2cm x 50cm	LEL731	Cool White (6000K)	24V DC	1200 Lumens/bar	14.4w/bar	IP20
2cm x 50cm	LEL732	Natural White (4000K)	24V DC	1100 Lumens/bar	14.4w/bar	IP20
2cm x 50cm	LEL734	Warm White (2700K)	24V DC	1050 Lumens/bar	14.4w/bar	IP20
2cm x 25cm	LEL731	Cool White (6000K)	24V DC	600 Lumens/bar	7.2w/bar	IP20
2cm x 25cm	LEL732	Natural White (4000K)	24V DC	550 Lumens/bar	7.2w/bar	IP20
2cm x 25cm	LEL744	Warm White (2700K)	24V DC	525 Lumens/bar	7.2w/bar	IP20

### STRUCTURAL DIAGRAM:



### WIRING DIAGRAM NON-DIMMABLE



## INSTALLATION INSTRUCTIONS

Wavelux Ultra-Short Throw Light Bars can be mounted to various surfaces. The ease of mounting allows the light bar to be screwed into the surface using standard wood, sheetrock or metal screws, depending on the mounting material.



Arraying LED Bars together - It is simple to tile multiple LED bars together. Each light bar includes an array connector which allows multiple bars to be tiled together for a seamless light installation.



To power the lighting elements from a single side, we recommend using less than 15 light bars (50cm version) or 30 light bars (25cm version) when run from single outlet location. If powering up to 25 light bars (50cm version) or 50 light bars (25cm version), we recommend using the double ended array method (shown above).

## LIGHTING DISTANCE

This product is meant to disperse light evenly over a very short distance (>1/2"). To maximize the effect of the lights, we recommend to have a distance less than 4" from the illumination surface. Light bars are intended to be installed directly behind the graphic or lit surface, rather than on the side like previous light boxes.

## FAQ

Can Wavelux Ultra-Short Throw Light Bar be cut?

No, each bar is a fixed length and should not be modified. Should you require a customized light bar, please contact us for more details.

Does Wavelux Ultra-Short Throw Light Bar require any tools to connect?

No! The connectors use a specialize locking mechanism that hold wires in place nicely without needing any special tools. When you want to remove the wires from the connector, simply insert a pen or small tip screwdriver on the small ball and gently pull out the wires.



## PRECAUTIONS

- Use 24V DC Isolated Power Supply to drive Wavelux Ultra-Short Throw Light Bar and the confirm ripple wave of constant voltage source is less than 5%. Do not use RC Voltage reduction or non-isolated power supply to drive LED Strip.
- In order to guarantee sufficient voltage is available to drive LED light bar in all conditions, make sure power supply is rated for 20% more than LED light bars' consumption.
- Do not touch AC Power Supply when powered on
- Polarity Matters! Make sure to wire positive and negative poles of wires during installation to avoid damage to the strip.
- Avoid scratching, distorting, and repeated bending of product during installation. Not following this can cause irreparable damage to strip.
- Do not bend Wavelux Ultra-Short Throw Light Bar. The rigid PCB will damage if bent. If you require an application that requires a flexible panel, please contact us for a customized light bar.
- Product is not intended to be submerged and used in damp or wet environments.
- Professional installation recommended