

The optimal unit for Flat Line Wood curing

Efsen has been designing high-end UV Curing systems for the wood industry since 1986. It has always been the mission of Efsen to supply high quality application focused solutions/systems, that will benefit the customer and exceed their expectations.

It is therefore with great pleasure that we can offer the 2016 W-LED series from Efsen. This unit brings user-friendliness and performance of Wood Curing systems to a new level. The W-LED you can install by yourself – just connect power cable and line signal and you are ready to produce with the benefits of W-LED from Efsen



**energy saving – less heat – very uniform cure – less noise
less maintenance – no ozone – no mercury – less operating cost**

Power:

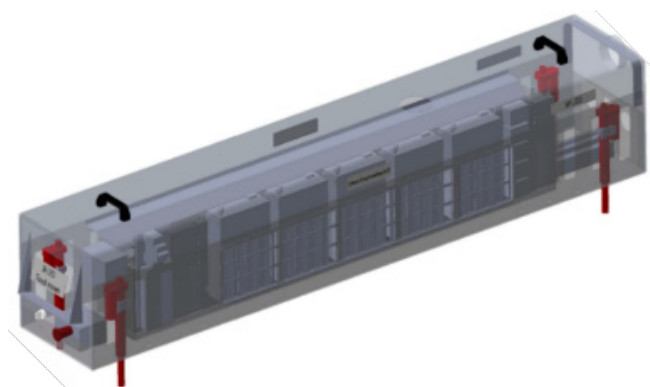
The W-LED comes in 2 different power sizes, that makes it suitable for both gelling and through curing at various speeds.

W-LED-8-Series: Simply choose W-LED-8 series for a powerful, high dose and fully flexible system that gels and cures in low to medium speed.

W-LED-9-Series: Is your application running high speeds, or do you have a request for higher intensity for better penetration, then the W-LED-9-Series is the right solution for you.

Curing width:

The W-LED is available in 900, 1050, 1200, 1275, 1350 and 1500mm effective curing width. Simply choose the width you need, and it will be prepared for this upon arrival at your factory. If your needs change in the future, you can easily remove units in intervals of 150mm, and you can also add unit up to the full length of 1500mm. The W-LED is always prepared for all.



Height adjustability:

The W-LED has four height adjustable legs, that can lift the whole W-LED housing up by 100mm. The position of the height adjustable legs is flexible, so the W-LED will fit any conveyor width up to 1.755m. We have also included a function that the W-LED will fit a conveyor where the edges are higher than the belt level. W-LED can lower the UV-LED heads down, so that the distance over the products can be adjusted to the desired distance by the customer. We also have an integrated safety beam – so to minimize the risk of damaged to W-LED heads by accident.

W-Sensor:

The W-LED has an integrated sensor that attached to the conveyor before the W-LED. We call this the W-Sensor, and this activates the LED for when items are coming, so that the energy consumption is optimized.

W-Air:

The W-LED needs clean air with no dust and above the dew point. You can supply this yourself, or you can acquire the W-Air module that simply attaches to the top of the W-LED. The W-Air is an integrated blower and filter module that is controlled by the W-LED and always makes sure that there is air for UV-LEDs and electronics. Furthermore, the W-Air prevents dust from entering the W-LED.



Spare parts:

- W-LED:** Accidents happen and therefore we recommend having a spare W-LED head as well as a power supply, so that uptime on the line can be quickly achieved. Changing to a new W-LED head will take about 5-10 minutes and changing a new power supply is 10-15 minutes. We have made it simple and easy to access.
- W-Air:** The W-Air has an easy to change filter, and we recommend having an extra filter for each W-Air as this makes easy and fast cleaning of the W-Air possible.

Specifications

- Electrical requirements and connections:
 W-LED: 3x400V AC 50hz 3x32A (3P+N+PE) 5pol CEE plug
 W-AIR: included above
 Prepared for profi-net connection
 W-LED is Siemens S7-1200 PLC controlled



Power consumption:

W-LED-8-:

App power cons @ 80%	900	1050	1200	1275	1350	1500
kW	4.8	5.6	6.4	6.8	7.2	7.9

W-LED-9-:

App power cons @ 80%	900	1050	1200	1275	1350	1500
kW	5.4	6.3	7.2	7.6	8.0	8.9

W-Air:
Less than 1.500W

Dimensions:

W-LED Height: 425mm, Width: 350mm, Length: 2.100mm (incl. display and CEE plug connector). Housing base length is 2.004mm
 Distance between mounting legs can vary up to 1755mm in intervals of 100mm
 W-AIR Height: 350mm, Width: 350mm, Length: up to 1.500mm, (to be mounted on top of W-LED)

Configurations:

UV-LED width	900mm	1050mm	1200mm	1275mm	1350mm	1500mm
W-LED-8-series	W-LED-8-900	W-LED-8-1050	W-LED-8-1200	W-LED-8-1275	W-LED-8-1350	W-LED-8-1500
W-LED-9-series	W-LED-9-900	W-LED-9-1050	W-LED-9-1200	W-LED-9-1275	W-LED-9-1350	W-LED-9-1500

Another innovative wood curing product from Efsen UV & EB Technology

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