

The importance of TCO when investing in dvLED displays.



What is the Total Cost of Ownership (TCO)?

The TCO encompasses the total product cost for its entire life cycle, including purchasing, installation, operation, maintenance, and support costs until the product reaches its end of life.

AV partners/integrators unsurprisingly focus heavily on the price of purchase & installation because these are the costs that directly impact the capital expenditures. From the end-user perspective, however, the long-term impact of operational, maintenance and support costs are equally as important since they profoundly affect their annual operational budget.

With climate change regulations coming to the forefront of business leadership, standards such as LEED building certification are gaining wide popularity among business leaders. They are continuously looking for ways to reduce operational energy costs especially from notoriously power-hungry dvLED walls.

LOW TCO = BETTER PLANNING

- Keeping TCO cost down allows long-term global AV budget savings.
- Mastering end-to-end TCO of AV expenditures allows a clearer view of current and future expenses.
- Long-term savings derived from a detailed understanding of TCO enables investments in even more efficient technologies.

Our Zavus™ is the only product line offering unparalleled image quality while at the same time maximizing power efficiency, thereby reducing carbon footprint.

How do you calculate electrical efficiency for dvLED products?

When calculating electrical efficiency for dvLED products, 3 correlating items have to be considered, otherwise you are only looking at a one sided angle that would not reflect on the full potential of what your product is offering. The 3 items are the following : Nits (luminance), Watts (electrical consumption), and M2 (the surface we use for calculation, since dvLED are usually sized by the amount of square meters of surface they represent and not a set diagonal/ display size).

Why does the ratio Nits per Watts per M2 matters?

This ratio ensure you that you get from your investment the best performances, benefiting from advanced engineering and best in class technologies, without running cost way above average; or that you invest in a product that allows you to keep a very low TCO, without sacrificing key elements such as luminance, contrast, colors.



How does Zavus compare to the market?

Zavus ratio : **2.11** Nits/Watts/M2
(Average of 0.7P, 0.9P, 1.2P)

Market average ratio **1.00** Nits/Watts/M2
(Average of 0.7P, 0.9P, 1.2P)

What makes the difference with Zavus to lower your TCO?

- Flip-Chip Common Cathode COB architecture
- 100 x 200 µm micro-LED lamps across the product line
- Encapsulation layer allows unobstructed light emission
- Optimized packaging allows higher pixel density while maintaining very high light output

Reduce more than half of your running cost with Zavus Xtreme Pixel, no compromises with state of the art MicroLED ultra fine pitch – proprietary processing dvLED.

<https://jupiter.com/Zavus> for more informations