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SEAL

“LUMENS OUTPUT”

HOW TO INTERPRET LUMENS IN LIGHTING

tromilux

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Introduction and purpose of the “Lumens Output” seal

In an increasingly technical market full of specifications, choosing luminaire should be simple — but it often isn't.

In the world of lighting, technical data is essential — but it only makes sense when it clearly and accurately reflects reality. With so much information available, it's easy to assume that all numbers mean the same thing. But that's not always the case.

Terms like “lumens,” “luminous efficiency,” or “light flux” appear frequently, but they don't always clearly reflect the reality that really matters: how much light actually reaches your space.

That's exactly why we created the “Lumens Output” seal — a direct and transparent way to communicate what truly matters when choosing lighting solutions. More than just a technical symbol, this seal represents a commitment to truthful data and customer trust.

What are lumens?

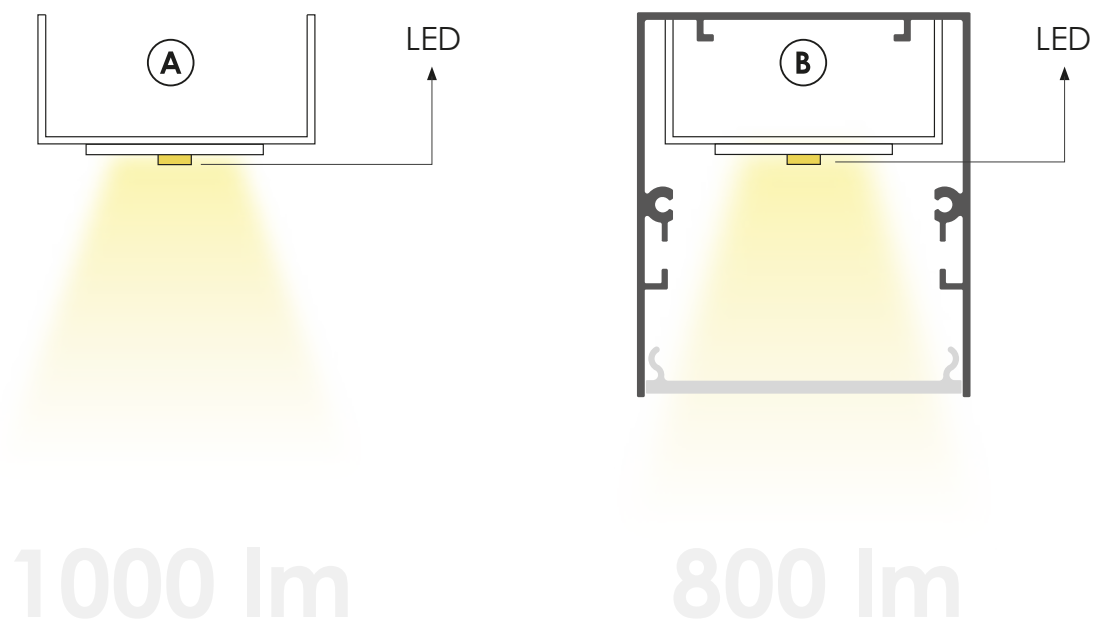
The lumen is the unit of measurement for luminous flux — in other words, the total amount of visible light emitted by a source. It's a key figure when comparing luminaires and ensuring they provide the right amount of light for a given space or application.

Difference between source lumens and output lumens?

Caption:

A: Lumens of the LED - without losses (source lumens).

B: Luminaire lumens - natural light loss (output lumens).



Source Lumens: measurement of the light emitted directly by the LED or lamp, without interference from components.

Output Lumens: value of the effective light emitted by the luminaire, already assembled and ready for use.

How do we measure output lumens?

For products with the “Lumens Output” seal, we take measurements using certified photometric equipment in a laboratory setting. These measurements are made with the fixture fully assembled, including all its components: lenses, diffusers, structure, etc.

This process follows international measurement standards, ensuring accuracy and credibility.



What the seal "Lumens Output" mean?



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The "Lumens Output" seal identifies products in which the lumens shown correspond to the light that will actually be emitted into the environment.

When a product has this seal, it means that:

The amount of light shown reflects the actual performance of the complete luminaire;

The measurement was made with technical rigour and certified equipment;

You can compare this product with others in an honest, clear and substantiated way.

Why we created the seal "Lumens Output"?

We created the "Lumens Output" label with a simple and clear goal: to guarantee more transparency for those who choose our products.

In the lighting market, it is common that manufacturers only present the lumens from the light source - real values, but measured in isolation, without taking into account the losses that occur with the luminaire assembled. This makes it difficult to compare products fairly and can lead to uninformed choices.

With this seal, we wanted to change that.

Whenever you see the "Lumens Output" seal, you can be sure that:

The value in lumens shown corresponds to the light actually emitted in the space;

The luminaire has been tested already assembled, with all its components (lenses, diffusers, structure);

You are choosing a product with clear information, technical rigour and commitment to the truth.



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Why is this better for you, the customer?

When a luminaire only lists source lumens, it gives a number that doesn't truly reflect the light you'll experience, as it does not take into account the losses caused by lenses, diffusers and structure.
This lack of clarity can lead to:

Choose a product that emits less light than expected;

Designing a lighting study wrong;

With the "Lumens Output" seal, we provide complete and transparent information: the values shown reflect the performance of the actual product, in real conditions.

With the clear information that the "Lumens Output" label guarantees, you can:

- ✓ Choose the right product for each space based on real data;
- ✓ Compare luminaires fairly, without misleading figures;
- ✓ Avoid unnecessary costs by choosing more efficient solutions;
- ✓ Trust that the product you select will perform as promised.

In short: when you know exactly what you're comparing, you make smarter, more confident decisions.



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Conclusion

By creating the "Lumens Output" label, we have made a clear commitment to the transparency, technical precision and respect for those who choose our products. This seal is not just a symbol — it is a guarantee that when it is present, you are receiving true information about the real performance of the luminaire as it will be used in your space.

We believe that well-informed choices result in more efficient projects, more satisfied clients and lasting relationships of trust.

We also recognize and value all the professionals and companies that, like us, communicate the real lumens of their luminaires with clarity and responsibility. We believe that technical transparency should be common practice in the sector - because it is the customer who gains the most from it.



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