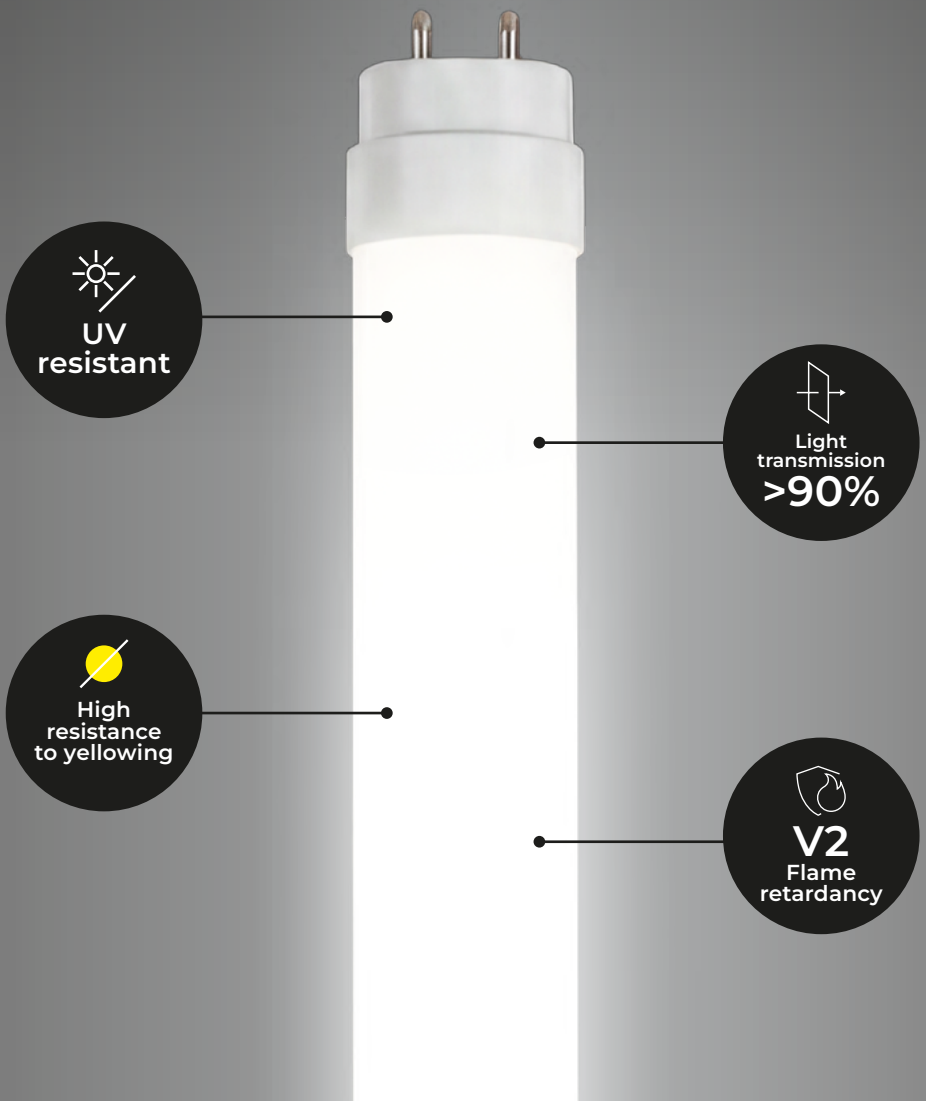
LED line

T8 LED

NANO

A New Definition of Brightness

Maximum efficacy. Genuine energy savings.





LED LIGHT SOURCE

T8 LED NANO

LED line T8 LED NANO tubes are a modern alternative to conventional fluorescent lamps, engineered to deliver maximum efficacy, safety and durability in demanding applications.

High Luminous Efficacy

Up to 3450 lm with low power consumption – delivering genuine energy cost savings.

Wide 270° Beam Angle

Uniform light distribution without dark spots.

Flicker-Free

Enhanced visual comfort and improved eye protection for users.



LED line PRIME



More Light. Lower Energy Use.

T8 Nano has been engineered for maximum efficiency. Its high luminous efficacy helps reduce energy consumption while maintaining excellent illumination levels, resulting in lower operating costs and a faster return on investment.

Its durable construction and long service life significantly reduce replacement frequency and minimise waste generation. As a result, T8 Nano supports a more sustainable approach to lighting in industrial, warehouse and commercial environments.

Compliance with RoHS and ErP requirements confirms the product's adherence to modern standards for energy efficiency and responsible manufacturing.

RoHS COMPLIANT

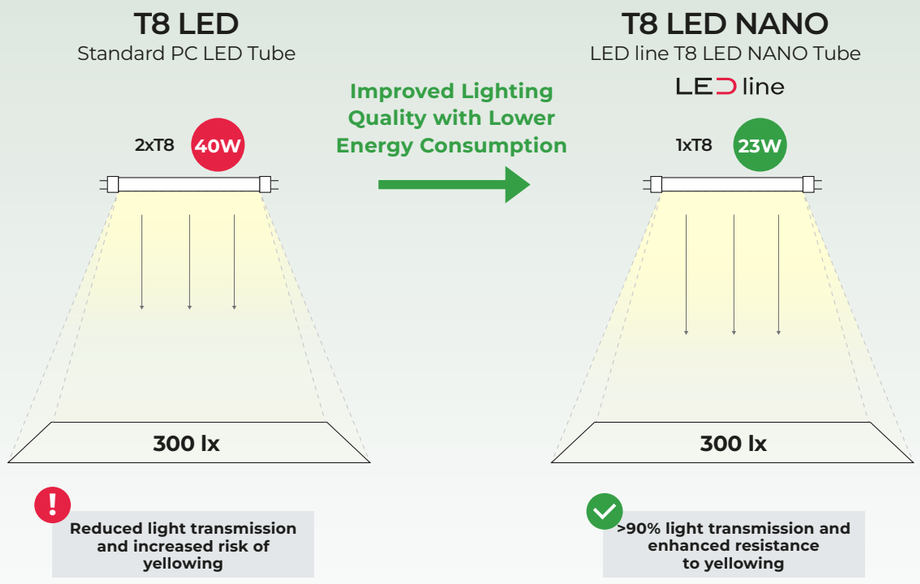
REACH COMPLIANT

Up to 150 lm/W

Higher Luminous Efficacy

With luminous efficacy of up to 150 lm/W, T8 LED NANO delivers significantly more light from the same power input than standard LED tubes. This makes it possible to achieve the required illumination levels while reducing energy consumption and operating costs.

Lower energy bills and the ability to reduce the number of light points mean that lighting upgrades start delivering measurable savings sooner. T8 LED NANO is an investment that continues to pay for itself every day in operation.



T8 LED NANO

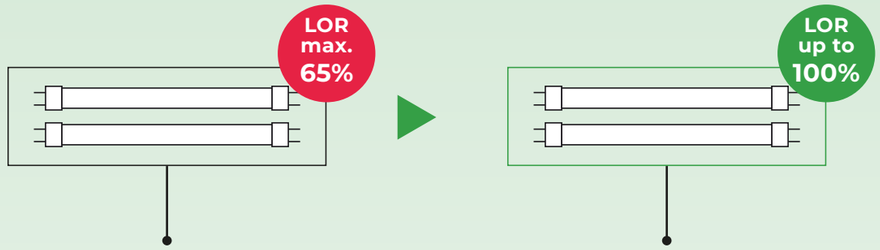
LED line PRIME

ROI

RE-lamping

Relamping – Fast Upgrade, Maximum Savings

Replace the light source, not the entire luminaire. T8 LED NANO enables a straightforward upgrade of ageing lighting installations, reducing investment costs and minimising downtime during implementation.



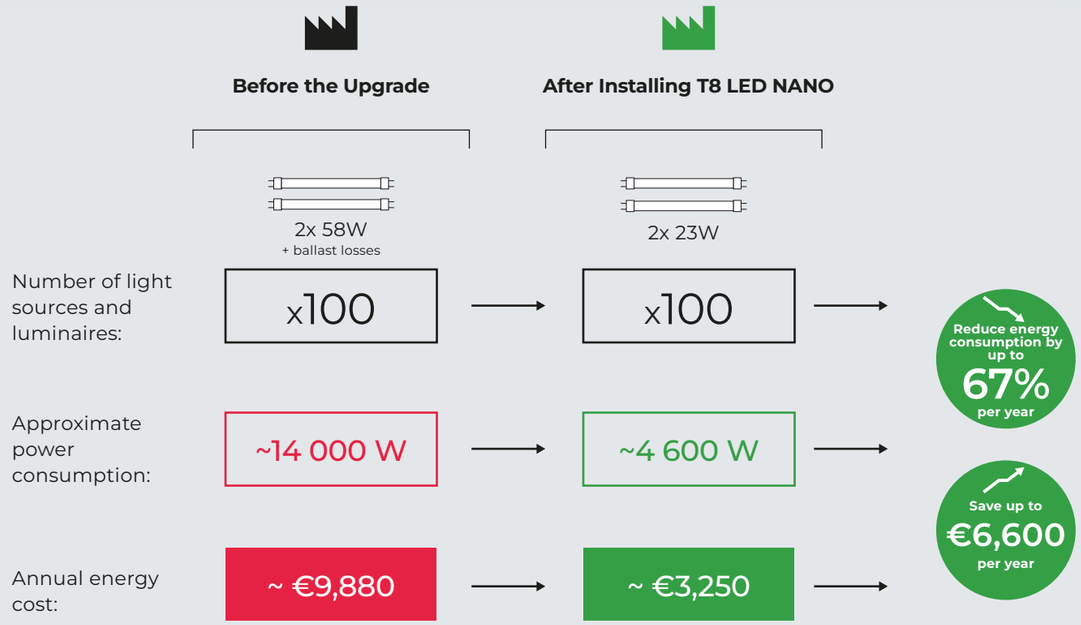
T8 fluorescent lamps emit light in all directions. A significant portion of the luminous flux is lost within the reflector and luminaire housing, which is why the actual luminaire efficiency often **does not exceed 65%.**

The directional light distribution of T8 LED NANO allows almost the entire luminous flux to be utilised. Combined with the exceptionally high light transmission of Nano PC material, **luminaire efficiency can approach 100%**, improving the overall performance of the lighting system.

RELAMPING



How much can you save with relamping?



(Example based on a medium-sized warehouse operating 12 hours a day, 250 days a year, with an electricity cost of €0.24/kWh.)

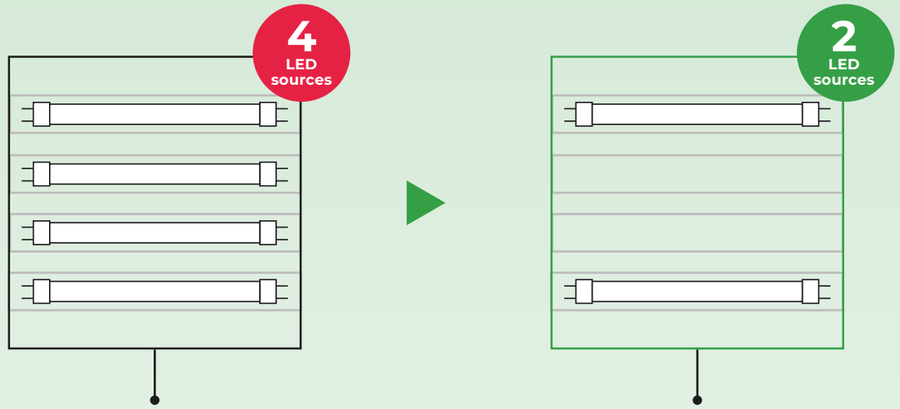
LED line PRIME

ROI

DE-lamping

Delamping – Long-Term Cost Savings

Reduce the number of light sources by up to 50% without compromising light output. T8 LED NANO technology enables existing luminaires to be upgraded while simultaneously reducing energy consumption, maintenance costs and lamp replacement frequency. This solution is particularly well suited to offices, corridors and public buildings, including educational facilities.



A portion of the luminous flux generated by conventional T8 fluorescent lamps is lost within the reflector and luminaire housing. To achieve the required illumination levels, it is **often necessary to install a greater number of light sources**, increasing both energy consumption and operating costs.

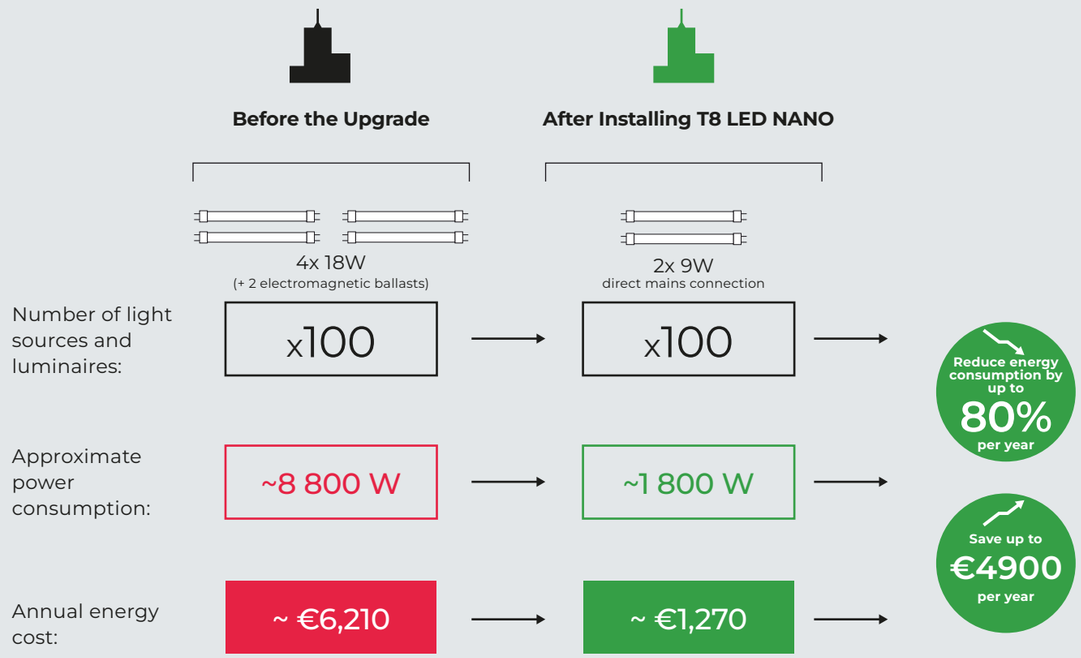
The directional light distribution and high light transmission of Nano PC material allow almost the entire luminous flux to be utilised effectively. As a result, the same **luminaire can operate with fewer light sources, reducing energy consumption, maintenance costs** and the time required for servicing the installation.

DELAMPING



LED line PRIME

How much can you save with delamping?



(Example based on an office and corridor installation operating 12 hours a day, 250 days a year, with an electricity cost of €0.24/kWh.)

The comparison is based on a typical lighting installation undergoing refurbishment and takes into account the lumen depreciation of conventional fluorescent lamps. A 4-to-2 replacement ratio is recommended following verification of the required illuminance levels through on-site measurements.



Nano PC
a safe alternative to glass

Built to Last Longer

Replacing glass with durable Nano PC enhances operational safety. Its lightweight yet robust construction simplifies installation while maintaining high light transmission, ensuring maximum lighting performance.



Innovative Nano PC diffuser

Nano PC represents a new generation of materials used in light sources. Compared with standard polycarbonate, Nano PC offers enhanced resistance to yellowing over time, ensuring consistent lighting quality throughout its service life. It provides excellent light diffusion and a light transmission rate exceeding 90%, enabling high luminous efficacy without visible LED hotspots.

Safe transport

Thanks to its shatter-resistant Nano PC housing, the tube minimises the risk of damage during transport and storage, even when shipped individually.

Thermal shock resistance and flame retardancy

Nano PC is engineered for demanding environments and withstands temperatures from -20°C to +85°C. It resists cracking and embrittlement while achieving a V2 flame-retardancy classification, helping to improve fire safety in industrial facilities.

Lightweight construction

Nano PC is considerably lighter than glass, improving transport, storage and installation efficiency. The lower weight reduces the risk of damage during handling while supporting faster and more efficient delivery of large-scale lighting projects.

Applications

Offices and workspaces

Comfortable, uniform flicker-free lighting that supports concentration and everyday productivity.



Public buildings

Reliable and energy-efficient lighting for schools, corridors and public facilities.



Warehouses and industrial facilities

High lumen output and a wide beam angle provide uniform illumination throughout the workspace.



Car parks and technical areas

Consistent lighting that improves visibility and helps create a safer environment.



EFFICACY
150 lm/W

Power [W]:
9, 18, 23

Luminous flux [lm]:
1350-3450

Beam angle [°]:
270

Colour temperature [K]:
4000 6500

Lifetime [h]:
L70B50 - 50.000

Type:
G13

Housing:
Nano PC

Energy efficiency class:

A D G

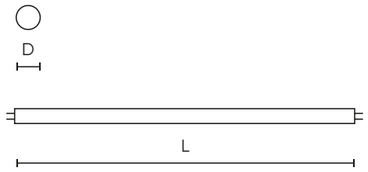
5 WARRANTY | 185–265V AC | 50.000 h | MAX -20÷45°C | IP 20 | PF 0,5

Learn more at ledline.eu

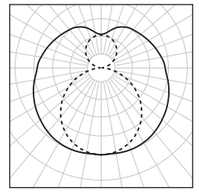


Technical specifications

W	beam	lm	DxL [mm]	symbol
4000K				
9	270°	1350	Ø26 x 600	**228566**
18	270°	2700	Ø26 x 1200	**228542**
23	270°	3450	Ø26 x 1500	**223943**
6500K				
9	270°	1350	Ø26 x 600	**228559**
18	270°	2700	Ø26 x 1200	**228535**
23	270°	3450	Ø26 x 1500	**228528**



270°



T8 LED NANO



LED line

WE CO-CREATE

LIGHTINGEUROPE
THE VOICE OF THE LIGHTING INDUSTRY

Polish Construction Cluster
Key National Cluster

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