

ENS Enersave High Efficiency Product Series



Fluorescent Tube



Downlights



LED Bulb



Square LED Panel Light



Square LED Panel Light



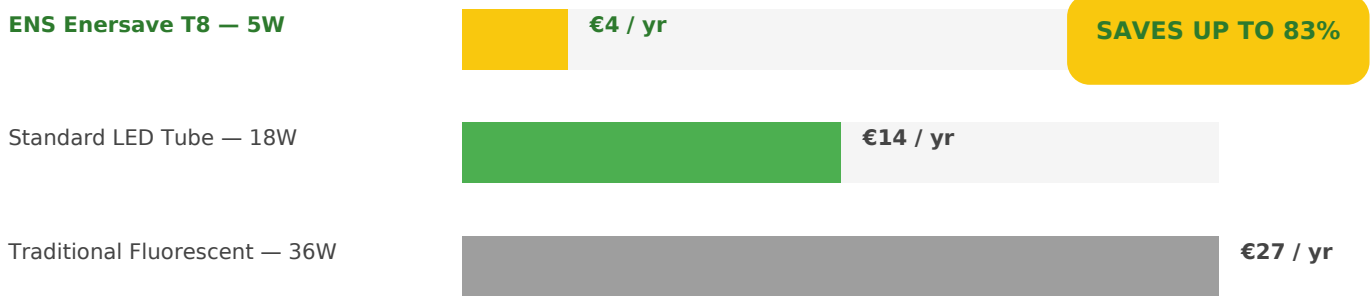
UFO Ceiling Light

83% Energy Savings

ENS Enersave High Efficiency Series — up to 230 LM/W luminous efficacy

The ENS Enersave High Efficiency lighting series reaches up to 230 LM/W, delivering up to 83% energy savings versus mainstream products. Additional advantages: flicker-free, low blue light, minimal lumen depreciation, low operating temperature, and low-carbon footprint — the premium choice for commercial and industrial lighting.

Annual Cost Comparison (24 hrs/day, 365 days, €0.09/kWh)



Sustainability: ENS T8 tube saves up to 315 kWh/year vs. traditional T8 — reducing CO₂ by ~245 kg/year.

Enersave LED vs. Ordinary LED

Far Superior to Ordinary Energy-Saving Lamps

PERFORMANCE COMPARISON · ENERSAVE LED vs ORDINARY LED

ENERSAVE LED	SPECIFICATION	ADVANTAGE	ORDINARY LED
Up to 230 lm/W	Luminous Efficacy	↑ 80%	90–110 lm/W
2%	Lumen Depreciation	3x better	8%–10%
100,000 hrs	Rated Lifespan	3–10x longer	10,000–30,000 hrs
30–45 °C	Operating Temp.	↓ 35%	55–70 °C
80	Color Rendering (Ra)	↑ 10%	70
23	Blue Light Level	4x lower	90
Wide-angle 3 m²	Illumination Area	2x wider	Spot 1.5 m ²

ENS

■■■ ENERSAVE®

Light Efficiency Boost

+80%

High-transmittance Mitsubishi nano material — same brightness, lower wattage

Lifespan Extended

3–10x

Japanese top-grade aluminium electrolytic capacitors — rated up to 100,000 hours



ENERSAVE® Core Advantages

Why ENERSAVE is the Smarter Choice

Max Efficacy
230 lm/W

Rated Lifespan
100,000 hrs

Operating Temp.
30–45 °C

Annual Deprec.
≤ 2%

Operating Temperature Reduced

–35%

30% more aluminium base area than standard tubes — superior heat dissipation

Lumen Depreciation Reduced

3x less

Puri (USA) & Epistar (Taiwan) LED chips
Annual lumen depreciation of only 2%

High Efficiency · Long Life · Low Depreciation · Eco-Friendly

The premium choice for commercial and industrial lighting

Low Energy, High Efficiency Lighting

ENERSAVE LEDTUBE PRO T8 — 6W

Product Advantages

- Superior Heat Dissipation: Extended aluminum substrate ensures stable, reliable operation.
- Premium Components: High-quality electrolytic capacitors, custom chips & Mitsubishi nano PC material.
- High efficiency and energy saving: independently developed electro-optical conversion technology, saving 50%-70% energy, 70%-80% more energy-efficient than traditional lamps, and 50%-60% more energy-efficient than ordinary LEDs.
- Comfortable Light: Wide-angle emission, soft and uniform light with excellent colour rendering.
- Flexible Service: Available for purchase or managed lighting-as-a-service.



Key Features

- Easy Upgrade: Direct retrofit for EM ballast fluorescent and standard LED tubes.
- Ultra-Long Life: 50,000-100,000 hours (option available).
- Simple Operation: Easy commissioning — no complex configuration.
- Low Depreciation: Only 2-5% lumen loss over lifetime.

Suitable Environments

Commercial offices · Educational facilities · Parking garages · Warehouses

Technical Specifications

Power	Energy (kWh/h)	Input Freq.	Voltage	Efficacy	Beam Angle	Ambient Temp.	Rated Life
6W	0.006 kWh	50-60 Hz	185-265V	200 LM/W	68°-120°	-20°C to 45°C	50K-100K hrs

Choose ENERSAVE LEDTUBE PRO 6W-T8 — Efficient · Energy-Saving · Premium Quality

The Ultimate Lighting Experience

ENS ENERSAVE Downlight (Recessed)



ENS ENERSAVE Downlights feature high brightness with uniform, glare-free illumination. The narrow-bezel design delivers a light-face to bezel ratio exceeding 68%, and the direct-down emission makes it slim and lightweight — compatible with virtually all ceiling types.

"Three Comfort" Experience

- Glare-Free: Narrow-bezel design minimizes visual discomfort.
- Low Depreciation: Annual lumen loss only 2-5%, maintaining brightness over time.
- Flicker-Free: Advanced circuitry eliminates flicker for eye-safe, comfortable illumination.

Suitable for offices, reading areas, and leisure spaces.

General Specifications

Efficacy	Beam Angle	Housing	Std. Life	Opt. Life	Type	PF	CCT	Color
180 LM/W	90°-120°	Al+Acrylic	50,000 H	80,000 H	High-Eff. LED	>0.9	4000/6500K	White/Warm

Product Variants

Power	Size	Face Dia. (mm)	Height (mm)	Cutout (mm)	Depth (mm)	CCT
4W	4"	145	27	110-125	30	4000K/6500K
8W	6"	180	27	140-160	30	4000K/6500K
12W	8"	220	32	170-190	30	4000K/6500K

Ultra-High Efficacy PC Lens UFO

ENS ENERSAVE UFO High-Bay Light



The ENS ENERSAVE UFO uses high-efficacy optical-grade annular PC lenses to maximise light utilisation, producing soft, ultra-clear illumination. Large-area fin heat-sink (blackened for corrosion resistance) with innovative air-convection design enables rapid heat dissipation, stable operation, glare suppression, and highly uniform light distribution.

Three Precision Application Modes

- 60° & 90° beam angle options for precise scene matching.
- Precision-engineered circular suspension ring for safe, secure installation.
- Custom high-quality chips & Ruby electrolytic capacitors for guaranteed performance in every application.

General Specifications

Efficacy	Beam Angle	Housing	Std. Life	Opt. Life	Type	PF	CCT	Color
185 LM/W	60°-120°	Al+Acrylic	50,000 H	80,000 H	High-Eff. LED	>0.9	6500K	White

Product Variants

Power	Lumen Output (lm)	Beam Angle	Annual Depreciation
50W	8,500	90°-120°	<5%
80W	13,600	90°-120°	<5%
100W	17,000	90°-120°	<5%
150W	25,500	90°-120°	<5%

Dark-Zone-Free Bright Spaces

ENS ENERSAVE LED Panel Light



ENS ENERSAVE Panel Lights deliver outstanding performance with high-efficacy direct emission and zero dark zones. Premium chips, high colour rendering, combined with lens diffusion eliminate light leakage and dark patches — providing perfectly uniform illumination. The lightweight slim body fits virtually all ceiling and suspended-grid configurations.

"Three Comfort" Experience

- Uniform Light: Unique design minimises visual fatigue — comfortable even during extended use.
- Excellent Efficacy: Quality materials & workmanship keep annual depreciation as low as 2-5%.
- Easy Installation: Integrated structure enables quick, hassle-free lamp replacement.

General Specifications

Efficacy	Beam Angle	Housing	Std. Life	Opt. Life	Type	PF	CCT	Color
170 LM/W	120°-180°	Al+PC Diffuser	50,000 H	80,000 H	High-Eff. LED	>0.9	6000-6500K	White

Product Variants

Power	Dimensions (mm)	Depth (mm)	CCT
20W	600 × 600	30	4000K / 6500K
16W	200 × 1200	30	4000K / 6500K
20W	300 × 1200	30	4000K / 6500K

Dark-Zone-Free Bright Spaces

ENS ENERSAVE LED Bulb (E27)



ENS is committed to LED energy-saving technology innovation. Through standardised production and advanced manufacturing processes, we drive the lighting industry toward greater efficiency, creating superior value for users.

Technology Breakthroughs

- Revolutionary optical design achieves 210 lm/W — industry-leading efficacy.
- Core energy-saving technology boosts electrical conversion efficiency by 40%+.
- Sets a new benchmark for LED bulb luminous performance.


General Specifications


Efficacy	Beam Angle	Housing	Std. Life	Opt. Life	Type	PF	CCT	Color
200 LM/W	120°-180°	Plastic-Al	50,000 H	80,000 H	High-Eff. LED	>0.9	6000-6500K	White


Product Variants

Power	Dimensions (mm)	Material	CCT
3-5W	60 × 95	Plastic-Al	4000K / 6500K
6-10W	80 × 115	Plastic-Al	4000K / 6500K
11-15W	100 × 133	Plastic-Al	4000K / 6500K
16-20W	120 × 160	Plastic-Al	4000K / 6500K

Application Scenarios & Illuminance Data

Underground Parking — Aisle Lighting		ENS-T8 Tube — 5W
Height		Illuminance
0.75 m		600 LUX
1.5 m		190 LUX
2.0 m		115 LUX
2.5 m		81 LUX
Application: Underground Car Park Aisle Lighting		


Shopping Mall — Aisle Lighting		ENS-6" Downlight — 6W
Height		Illuminance
1.0 m		500 LUX
2.5 m		120 LUX
3.0 m		90 LUX
Application: Shopping Mall Aisle Lighting		


Clean-Room — Aisle Lighting		ENS-Clean Panel — 22W
Height		Illuminance
1 m		1,182 LUX
2 m		296 LUX
3 m		131 LUX
4 m		74 LUX
5 m		47 LUX
Application: Clean Room Aisle Lighting		

Industrial Workshop — Aisle Lighting		ENS-UFO High-Bay — 50W
Height		Illuminance
3 m		1,300 LUX
6 m		455 LUX
8 m		260 LUX
Application: Industrial Workshop Aisle Lighting		

ENERSAVE EUROPE

ENS Energy Efficiency Solutions · High Efficiency LED Lighting

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