

## General:

Our search for perfect lighting, combined with the wish to reduce energy consumption and  $CO_2$  emission, to embrace new technologies and to enhance innovatively and durability, has resulted in a vast range of LED lighting products. Compared to the traditional systems, all LedNed products offer the following advantages:

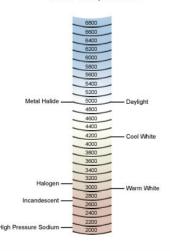
- Energy efficient: 50% reduction (for fluorescence lighting) and up to a 95% reduction of energy consumption, compared to traditional light bulbs and halogen lighting.
- Environment friendly: during the complete life cycle (production – use – waste disposal), the CO<sub>2</sub> emission is much less.
- Less heat: savings up to 15%-25% on your normal climate control costs and even more when LED is applied in cooling/freezing equipment or cooling areas.
- Cheap: Return on investment within 6 months in a 24/7 environment; within a few years for normal use.
- Durable: dependent on the product, the life span is 8 to 20 years, without loss of light intensity and without maintenance requirements.
- No ultraviolet (UV) and infrared (IR) light: your fresh products will last longer and will not show any discoloration.
- No vibrations or frequencies: no more headaches, no more reading problems, no more annoying buzzing or flashing.
- Mercury-free: no mercury or other heavy metals are used.
- Not susceptible to temperature changes, vibrations or frequent on-off switching.

LedNed is the only company that has all its products KEMAapproved, based on the 2010 legislation.

## **Applications:**

All products are directly applicable in your existing systems or fittings. No conversion or modification required.

## Color Temperature





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Productdata		Traditional
		lamp
Product name	E27JDR HP spot	•
1 Todaot Harrio	ZZ70BTTTH OPOT	
Power factor	0.75	
Type of LED	CREE XR-E	
Fitting	E27	
Cover	Polycarbonate	
Туре	Clear 55º	
Average live span	15.000 hour	1000 hour
Wattage	3.5 watt	35
Voltage	110 – 240	
Colour code and	Cool white 6.000 K	
temperature	Warm white 3.000 K	
Min Lumen	107 – 93	
Colour Rendering Index	75 – 85	
Measures (H/L × W/diameter)	75 * 50,5 mm	

Savings per annum compared to 100 traditional light bulbs*		
Energy	11.500 KwH	
CO <sub>2</sub> emission	7.710 Kilo	
Investment energy and lighting products	3.750,- Euro	
Grown trees older than 5 years	385	

\* Based on HIER, €/KwH 0.20 and 10 upd





