



VALTAVALLO® G4 LED TUBE

ON A MISSION TO PROVIDE THE MOST COST-EFFICIENT LIGHTING SOLUTIONS ON THE MARKET

G4 LED tubes are a result of our own product development, manufactured in our factory in Finland.

Valtavallo® G4 - Extreme durability

Valtavallo® G4 LED tube is the very first LED tube in the market providing flicker-free light. Moreover, it is delivered with a lifetime expectation of 125,000 hours as well as with a 7-year warranty. G4 LED tubes are manufactured in Finland with a fully automated production line according to the LED tube standard EN62776.



Valtavallo LED tubes are manufactured in a fully automated production line in the company's own factory in Finland.



valtavallo

WHY TO USE G4

COST-EFFICIENCY

- Leading total cost of ownership
- Unique 125,000 hr lifetime
- Significant Energy Savings
- 7-year warranty

WELL-BEING

- Flicker-free light
- High-colour consistency
- Shatter-proof
- Optimised light distribution

SUSTAINABILITY

- Long lifetime
- Environment-friendly
- Recyclable
- Non-hazardous waste

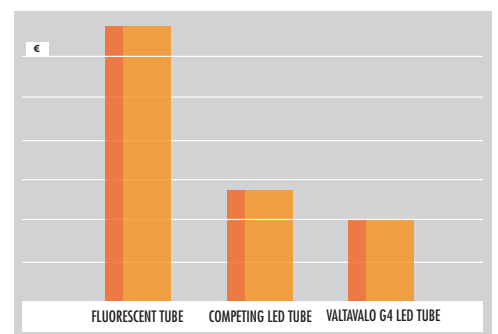
LESS STRESS & MORE WELL-BEING



According to recent studies, the flickering of electric lights can cause headache, brain stress and restlessness. Valtavallo G4 provides non-flickering, excellent quality light, with market leading colour consistency. We think people deserve the best light, wherever they are. People who feel well, create well-being in communities.

LOWEST TOTAL COST OF OWNERSHIP

Valtavallo G4 LED tube has the lowest Total Cost of Ownership (TCO) on the market. This is due to its amazing 125,000 hours lifetime and reduced maintenance costs. Also, G4 helps to achieve significant savings in energy consumption compared to fluorescent tubes.



LED tube cost comparison infographic.

+358 207 789 880

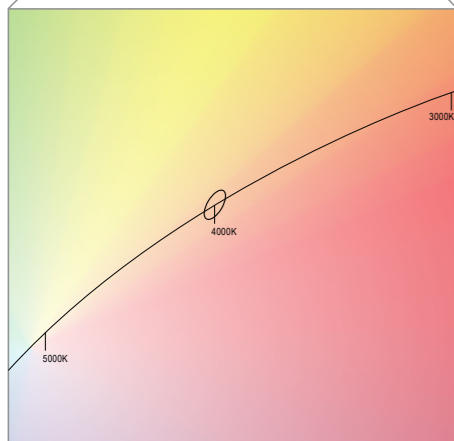
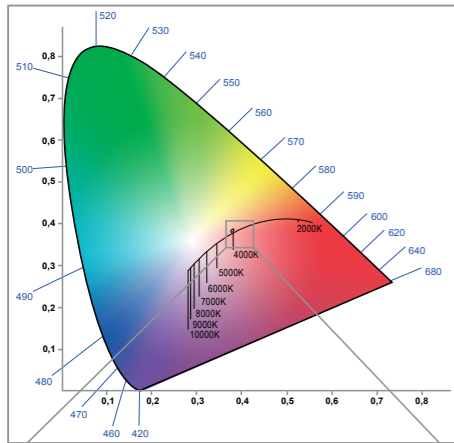
INFO@VALTAVALLO.FI

WWW.VALTAVALLO.COM

MADE IN FINLAND



HIGH COLOUR CONSISTENCY



G4 150cm 4000K Semiopal MacAdam 3 SDCM

1 INDUSTRY-LEADING QUALITY

Uniform premium quality and reliability are ensured by unique mechanical design, high-quality components as well as automatic manufacturing and comprehensive testing before releasing. Valtavalo is certified according to the quality management standard ISO 9001.

FLICKER-FREE LIGHT

The very first flicker-free LED tube in the market with <5% flicker percentage. Whereas flicker percentage of a typical LED tube is 30%.

LIFESPAN OF 125,000 HOURS

Due to its technical supremacy and thermal design Valtavalo is able to offer the longest lifetime expectation on the market for its products - 125,000 hours to L₇₀B₅₀ / T_a 25°C. Valtavalo grants a 7-year warranty for G4 LED tubes. Under normal conditions (tube ambient temperature < 35°C) warranty is not restricted by annual usage hours or the type of luminaires used.

OPERATION UNDER CHALLENGING ENVIRONMENTS

A wide operating temperature range (-40°C - +50°C) and high tolerance to vibration due to the unique mechanical design.

BRILLIANT ELECTRICAL PROPERTIES

Industry-leading interference, THD 10%, is especially important in bigger installations. Comprehensive protection against interference.

EASY TO INSTALL

Retrofit directly into most T8 fixtures. Rebuild and new installations with Valtavalo LED tube fixtures. Made according to the new LED tube standard EN62776.

ENVIRONMENT-FRIENDLY

Using recyclable and environment-friendly materials. Valtavalo's LED tubes do not contain toxins, and so are not classified as hazardous waste. Manufactured in Finland for the lowest possible carbon footprint. Valtavalo's operations are certified according to the environmental management system standard ISO 14001.

PURE LIGHT

A high colour consistency is ascertained by the MacAdam 3-step criteria for each individual tube. High quality light output of the G4 with a continuous full spectrum and high colour rendering.

OPTIMISED LIGHT DISTRIBUTION

Optimised downward forward flux (120°) for higher lux levels. Rotable end-caps of the LED tubes help to direct the light 180°, exactly where it is needed.

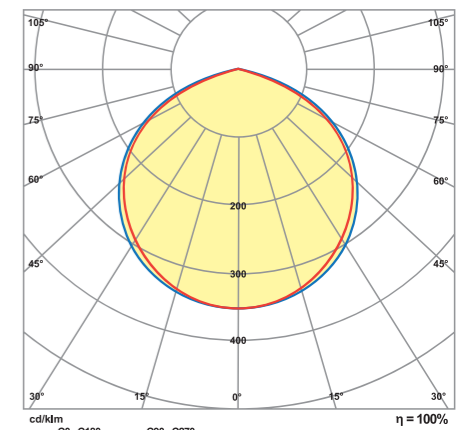
MADE IN FINLAND

Manufactured in Valtavalo's own production plant using the latest automation technology.

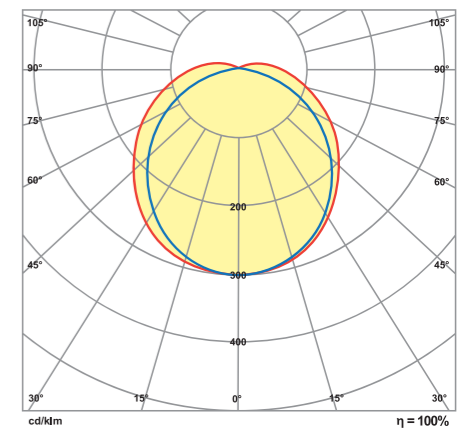
INDUSTRY-LEADING TOTAL COST OF OWNERSHIP

Lifetime value and exceptional quality provide an effortless and leading cost of ownership lighting solution to demanding and quality-conscious customers.

OPTIMISED LIGHT DISTRIBUTION



G4 150cm 4000K Clear



G4 150cm 4000K Semiopal



VALTAVALLO® G4 LED TUBE

THE VERY FIRST LED TUBE IN THE MARKET PROVIDING FLICKER-FREE LIGHT.

TECHNICAL SPECIFICATIONS FOR 4000K

MODEL SEMIOPAL COVER	VV07E045G4-840	VV10E060G4-840	VV15E090G4-840	VV19E120G4-840	VV24E150G4-840	VV28E150G4-840
Length	45 cm	60 cm	90 cm	120 cm	150 cm	150 cm
Power	7 W	10 W	15 W	19 W	24 W	28 W
Weight	190g	225 g	300 g	385 g	445 g	445 g
Energy Efficiency Class	A++	A++	A++	A++	A++	A+
Rated Luminous Flux	950 lm	1350 lm	2000 lm	2550 lm	3200 lm	3650 lm

MODEL CLEAR COVER	VV07C045G4-840	VV10C060G4-840	VV15C090G4-840	VV19C120G4-840	VV24C150G4-840	VV28C150G4-840
Length	45 cm	60 cm	90 cm	120 cm	150 cm	150 cm
Power	7 W	10 W	15 W	19 W	24 W	28 W
Weight	190 g	225 g	300 g	385 g	445 g	445 g
Energy Efficiency Class	A++	A++	A++	A++	A++	A++
Rated Luminous Flux	1000 lm	1400 lm	2150 lm	2700 lm	3400 lm	3850 lm

MODEL SEMIOPAL & CLEAR	
Colour Temperature	4000K. Available also standard colour temperatures of 3000K, 5000K and 6500K
Socket Type	T8 / G13
Input Voltage	230 V AC, 50/60 Hz; 213 V DC, 0 Hz
Power Factor	0.95
THD	10%
Colour Rendering Index ^(CRI)	> Ra 80
Flickering percentage	< 5%
Colour Consistency	MacAdam 3 SDCM
Beam angle	120°
Average Lifespan L _{70B50} / T _a 25 °C	125,000 hours
Warranty	Unlimited 7-year warranty up to 35°C
Operating Temperature	- 40 °C – + 50 °C
Operating Humidity	< 95 %
Protection Class	IP20
Housing Material	Anodised aluminium, PC-plastic (fire resistance class of plastics UL94-V0), free of glue and silicone.
Markings	CE, ENEC, CB/FI
Additional info	Other colour temperatures and CRIs available on request. Please contact Valtavallo sales or your local distributor for more information.



Founded in 2008, Valtavallo Ltd is a Finnish company, specialising in energy-efficient lighting solutions. We aim to improve our customers' well-being and competitiveness by providing energy-saving, environmentally friendly alternatives.



Valtavallo Ltd
Veistämötie 8
90620 Oulu, Finland
www.valtavallo.com