



VALTAVALO® HIGH TEMP

TOP PERFORMANCE LED TUBE ESPECIALLY FOR DEMANDING APPLICATIONS

Manufactured in Finland on a fully automated production line according to LED tube standard EN62776.

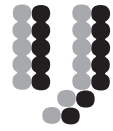
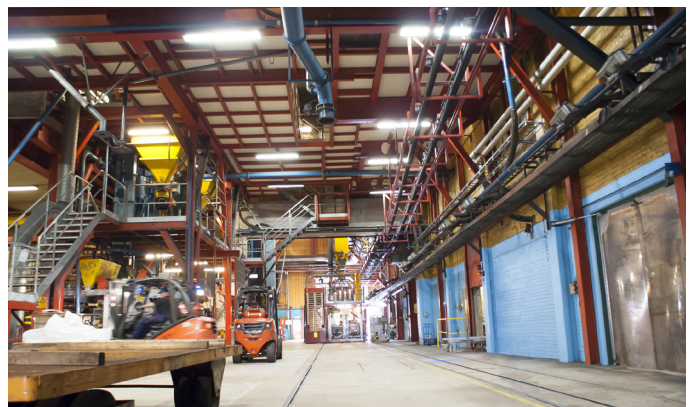
Valtavalo® High Temp - challenge even the most demanding conditions

Ability to operate under wide temperature range (up to +70 °C), high tolerance to vibration as well as long service life make G5 High Temp an excellent choice for demanding industrial applications. Unique mechanical and electrical design, high-quality components and automatic manufacturing provide exceptional lighting quality year after year also in the most demanding environments, not to mention market leading luminous efficacy, up to 180 lm/W. To make the installation of your G5 High Temp LED tube perfect, there is a variety of luminaires for a wide range of applications able to resist exposure to high temperatures, dust and other contaminants.



FLICKER-FREE LIGHT FOR IMPROVED SAFETY AT WORK

According to studies, the flickering of electric lights can lead to a misjudgement of hazardous situations and be dangerous in places where it is important to accurately see the moving parts of machines. Flicker may be visible, but, even if it was invisible to the human eye, it would not go unnoticed by the retina and brain. As a result, flicker-free light plays a significant role in preventing occupational accidents, particularly in industrial fields. The flicker percentage of a typical LED tube is 30%, whereas Valtavalo G5 High Temp provides non-flickering, excellent quality light with a flicker percentage of less than 1%.



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WHY G5 HIGH TEMP

TOP PERFORMANCE

- High tolerance to heat
- High tolerance to vibration
- 5 year warranty even at high temperatures

LEADING QUALITY

- Made in Finland
- According to EN62776
- Automatic production

COST-EFFICIENCY

- Long lifetime
- Maintenance free
- Significant energy savings



VALTAVALO® HIGH TEMP LED TUBE

TECHNICAL SPECIFICATIONS FOR 5000K & 4000K

MODEL 5000K	Optics	Length	Power	Weight	Rated luminous flux
VV22E150HT-850	Semiopal	150 cm	22 W	445 g	3800 lm
VV18E120HT-850	Semiopal	120 cm	18 W	385 g	3100 lm

MODEL 4000K	Optics	Length	Power	Weight	Rated luminous flux
VV22E150HT-840	Semiopal	150 cm	22 W	445 g	3700 lm
VV18E120HT-840	Semiopal	120 cm	18 W	385 g	3000 lm

MODEL 5000K & 4000K	
Energy Efficiency Class (old rating)	C (A++)
Socket Type	T8 / G13
Input Voltage	230 V AC, 50/60 Hz
Power Factor	0.95
THD	<20%
Colour Rendering Index (CRI)	Ra > 80
Flickering percentage	1%
Colour Consistency	MacAdam 3 SDCM
Beam angle	120°
Average Lifespan $L_{70B_{50}} / T_a 25^\circ\text{C}$	125,000 hours
Average Lifespan $L_{70B_{50}} / T_a 60^\circ\text{C}$	60,000 hours
Warranty	5-year warranty
Operating Temperature	-40 °C – +70 °C
Operating Humidity	< 90%
Protection Class	IP20
Housing Material	Anodised aluminium, PC-plastic (fire resistance class of plastics UL94-V0), free of glue and silicone.
Markings	CE
Additional info	Available standard colour temperatures of 5000 K and 4000 K. For more information about other colour temperatures please contact Valtavalo or your local distributor.



Valtavalo Ltd is a Finnish company, specialising in ultra-long lifetime LED-lighting solutions with replaceable light sources. In-house R&D and manufacturing in Finland guarantees the best possible quality of the products. Lifetime value and exceptional quality provide a leading cost of ownership lighting solutions to quality-conscious customers.



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