



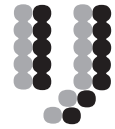
VALTAVALO® HIGH CRI

REPLACEABILITY COMBINED WITH HIGH COLOUR RENDERING

We manufacture standardised replaceable light sources in our own factory in Finland.

Replaceable light source with high colour rendering

Color rendering index (CRI) goes hand in hand with color temperature when choosing the right lighting for your application. The high colour rendering index becomes important when illuminating spaces where the experience of true and natural colours is essential. Such spaces include clothing stores, fruit and vegetable departments, car dealerships, museums and art galleries and hospitals, to mention a few. Usually higher CRI means big compromises between luminous efficacy and high colour rendering. The new Valtavalo High CRI product family does not compromise but combines high efficacy with high color rendering.



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VALTAVALO HIGH CRI

HIGH-QUALITY LIGHT

- High colour rendering
- High efficacy
- Flickerfree light

SUSTAINABLE CHOICE

- Replaceable light source
- Recyclable
- Reduced carbon footprint

COST-EFFICIENT

- Long lifetime
- Significant cost savings
- Maintenance-free

HIGH COLOUR RENDERING BRINGS OUT TRUE COLOURS

The colour rendering index shows how well a light source reproduces colours. It is measured on a scale of 1-100 with 100 being the most natural. The higher the CRI or Ra value, the better the colour rendering performance of the luminaire or light source, in other words, the more accurately it reflects the subject's true color. Light with a CRI of 80 or above is considered good quality and is usually perceived as quite natural, yet a higher CRI of 90+ brings true colours to life.



VALTAVALO® HIGH CRI LED TUBE

TECHNICAL SPECIFICATIONS

MODEL 4000K	Colour temperature	Optics	Length	Power	Weight	Rated luminous flux
VV22E150G6-940	4000 K	Semiopal	150 cm	22 W	445 g	3200 lm
VV18E120G6-940	4000 K	Semiopal	120 cm	18 W	385 g	2600 lm

Energy Efficiency Class*	D
Socket Type	T8 / G13
Input Voltage	230 V AC, 50/60 Hz
Power Factor	0.95
THD	< 20 %
Colour Rendering Index (CRI)	CRI 92, R9 > 50
Colour Consistency	MacAdam 3 SDCM
Beam Angle	120°. Rotatable end-caps of the LED tubes help to direct the light 180°, exactly where it is needed.
Flickering Percentage	1 %
Flicker (Pst LM)*	0,1
Stroboscopic effect (SVM)*	0,1
Average Lifespan L ₇₀ B ₅₀ / T _a 25 °C	50,000 hours
Warranty	5 years
Operating Temperature	-40 °C – +50 °C
Operating Humidity	< 90 %
Protection Class	IP20
Material	Anodised aluminium, PC-plastic (UL94-VO fire resistance class of plastics), free of glue and silicone.
Markings	CE
Additional Info	Available standard colour temperature of 4000 K. Please contact Valtavalo or your local distributor for other colour temperatures.

*The EU Commission Regulation, which entered into force in September 2021, includes new requirements for the flicker (Pst LM) and stroboscopic effect (SVM) of light sources. The directive's requirements are Pst LM ≤ 1.0 and SVM ≤ 0.4. Energy efficiency classes have also been rescaled in the new Energy Regulation. For example, a light source previously classified as A++ is now classified as D.



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 leading cost of ownership lighting solutions for quality-conscious customers.



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