



Essential LEDtube

LEDtube 1200mm 16W 765 T8 AP I G

Essential LEDtube is an affordable LED tube that is suitable for replacing T8 fluorescent lamps. The product provides a natural lighting effect for use in general lighting applications, as well as instant energy savings – an environmentally friendly solution.

Product data

General Information		Temperature	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]	Warm-up time to 60% light	0.5 s
Nominal lifetime	15,000 hour(s)	Power Factor (Fraction)	0.5
Switching Cycle	50,000	Voltage (Nom)	220-240 V
Lighting Technology	LED	Temperature	
EU RoHS compliant	Yes	Ambient temperature range	-20 °C to 45 °C
Light Technical		T-Case Maximum (Nom)	60 °C
Color Code	765 [CCT of 6500K]	Controls and Dimming	
Beam Angle (Nom)	240 degree(s)	Dimmable	No
Luminous Flux	1,600 lm	Mechanical and Housing	
Color Designation	Cool Daylight	Product Length	1,200 mm
Correlated Color Temperature (Nom)	6500 K	Bulb Shape	T8
Luminous Efficacy (rated) (Nom)	100.00 lm/W	Approval and Application	
Color Consistency	<7	Energy Saving Product	Yes
Color rendering index (CRI)	73	Suitable For Accent Lighting	No
LLMF At End Of Nominal Lifetime (Nom)	70 %	Approval Marks	RoHS compliance KEMA Keur certificate
Operating and Electrical		Energy Consumption kWh/1000 h	16 kWh
Line Frequency	50 to 60 Hz	Product Data	
Input Frequency	50 to 60 Hz	Order product name	LEDtube 1200mm 16W 765 T8 AP I G
Power Consumption	16 W		
Starting Time (Nom)	0.5 s		

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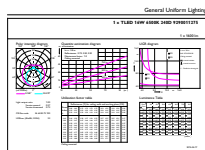
Full product name	LEDtube 1200mm 16W 765 T8 AP I G
Full product code	871869659998300
Order code	929001184638
Material Nr. (12NC)	929001184638
Numerator - Quantity Per Pack	1

EAN/UPC - Product/Case	8718696599983
Numerator - Packs per outer box	20
EAN/UPC - Case	8718696599990

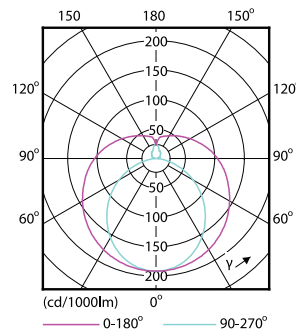
Dimensional drawing

Product	D1	D2	A1	A2	A3	C	D
LEDtube 1200mm	25.68	28 mm	1,198	1,205	1,212	1,212	27.8
16W 765 T8 AP I G	mm		mm	mm	mm	mm	mm

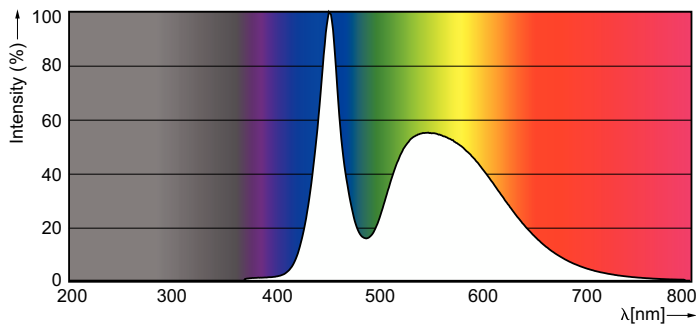
Photometric data



General Uniform Lighting - LEDtube 1200mm 16W 765 T8 AP I G



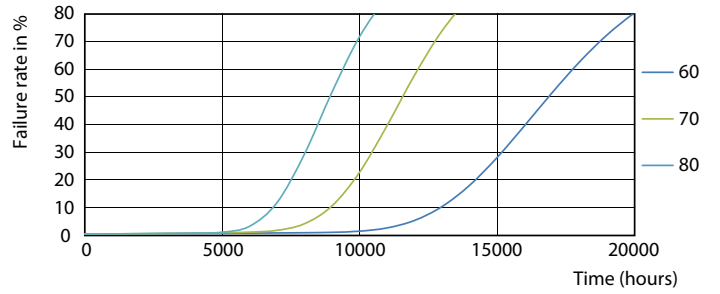
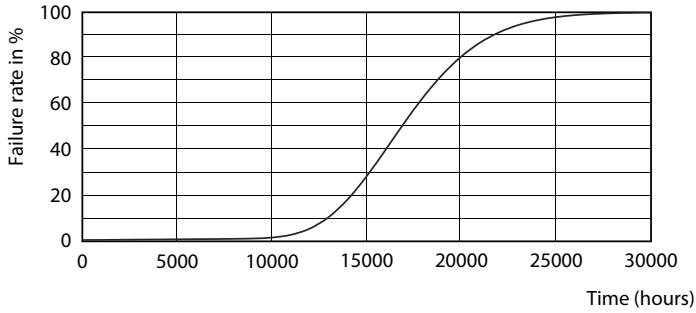
Light Distribution Diagram - LEDtube 1200mm 16W 765 T8 AP I G



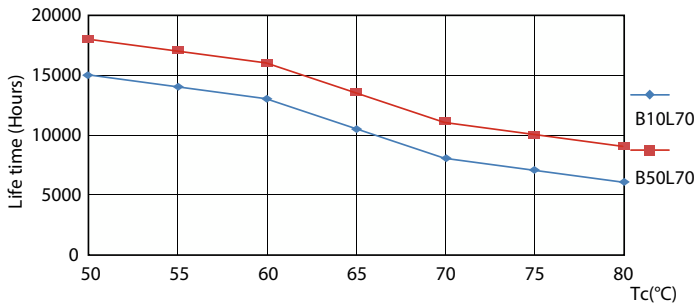
Spectral Power Distribution Colour - LEDtube 1200mm 16W 765 T8 AP I G

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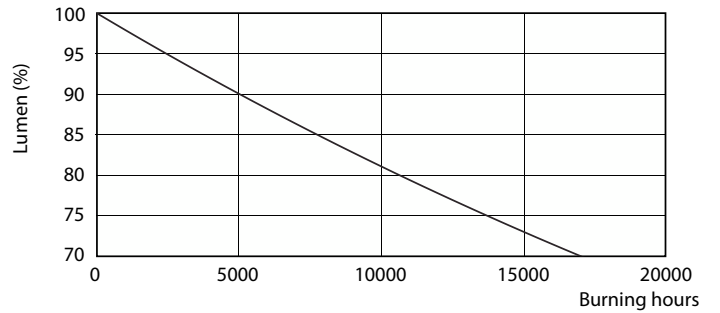
Lifetime



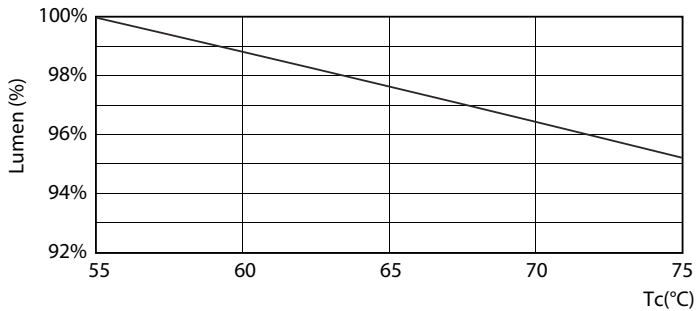
Life Expectancy Diagram - LEDtube 1200mm 16W 765 T8 AP I G



Life Expectancy Diagram - LEDtube 1200mm 16W 765 T8 AP I G



Life Expectancy Diagram - LEDtube 1200mm 16W 765 T8 AP I G



Lumen Maintenance Diagram - LEDtube 1200mm 16W 765 T8 AP I G

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