



# 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

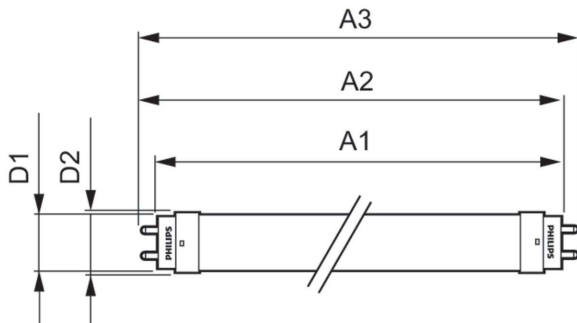
General Information		Power Factor (Fraction)		0.5
Cap-Base	G13 [Medium Bi-Pin Fluorescent]	Voltage (Nom)	220-240 V	
Nominal lifetime	15,000 hour(s)	Ballast Compatibility	EM	
Switching Cycle	50,000	<b>Temperature</b>		
Lighting Technology	LED	Ambient temperature range	-20 °C to 45 °C	
<b>Light Technical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

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EyeComfort	Yes
LED Innovations	EyeComfort
<b>Product Data</b>	
Order product name	LEDtube 1200mm 16W 765 T8 AP I G
Full product name	LEDtube 1200mm 16W 765 T8 AP I G
Full product code	87186965998300
Order code	929001184638

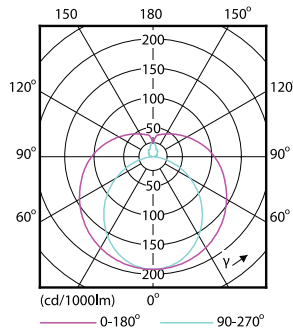
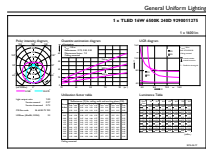
Material Nr. (12NC)	929001184638
Numerator - Quantity Per Pack	1
Net Weight (Piece)	0.170 kg
EAN/UPC - Product/Case	8718696599983
Numerator - Packs per outer box	20
EAN/UPC - Case	8718696599990

## Dimensional drawing



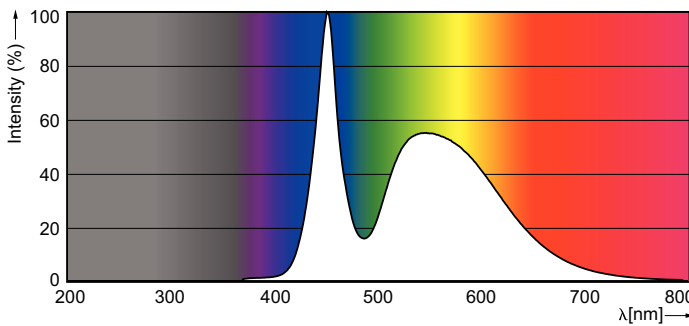
Product	D1	D2	A1	A2	A3	C	D
LEDtube 1200mm	25.68	28 mm	1,198	1,205	1,212	1,212	27.8
16W 765 T8 AP I G	mm		mm	mm	mm	mm	mm

## Photometric data



General uniform lighting - LEDtube 1200mm 16W 765 T8 AP I G

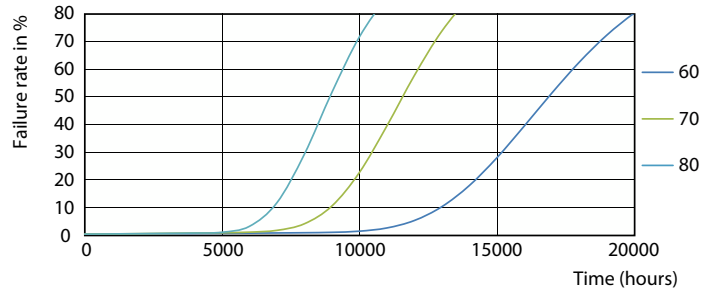
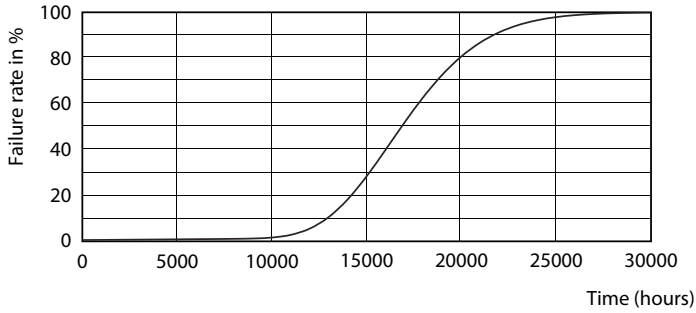
Light Distribution Diagram - LEDtube 1200mm 16W 765 T8 AP I G



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

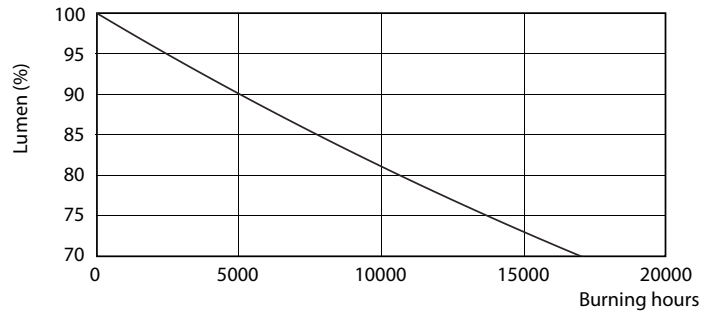
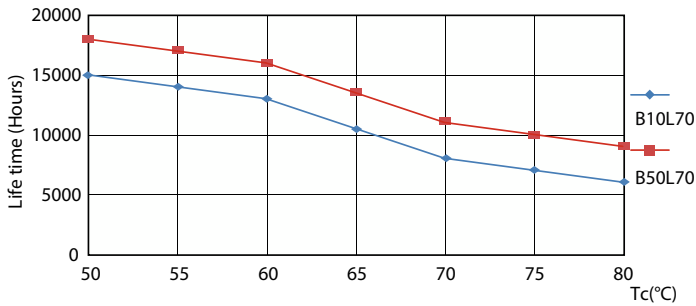
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## Lifetime



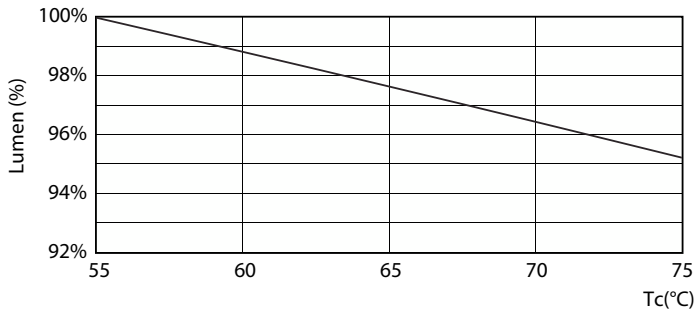
LEDtube 16W G13 740 T8 AP I G

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



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

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