



# 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	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]
Nominal lifetime	15,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED

Light Technical	
Color Code	765 [CCT of 6500K]
Beam Angle (Nom)	240 degree(s)
Luminous Flux	1,600 lm
Luminous Efficacy (rated) (Nom)	100.00 lm/W
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 K
Color Consistency	<7
Color rendering index (CRI)	70
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	16 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s

Power Factor (Fraction)	0.5
Voltage (Nom)	220-240 V
Ballast Compatibility	EM

Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	60 °C

Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Glass
Product Length	1,200 mm
Bulb Shape	T8

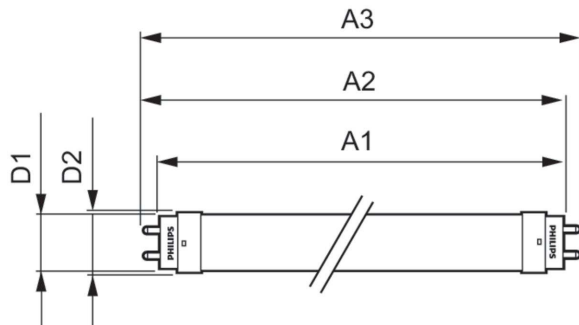
Approval and Application	
Energy Saving Product	Yes
Suitable For Accent Lighting	No
Approval Marks	RoHS compliance KEMA Keur certificate
Energy Consumption kWh/1000 h	16 kWh
EU RoHS compliant	Yes

# Essential LEDtube

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

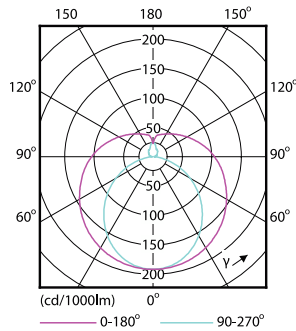
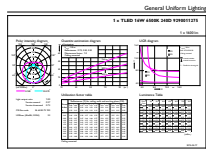
Material Nr. (12NC)	929001184638
Numerator - Quantity Per Pack	1
Net Weight (Piece)	0.170 kg
EAN/UPC - Product/Case	8718696599983
Numerator - Packs per outer box	20
EAN/UPC - Case	8718696599990

## Dimensional drawing



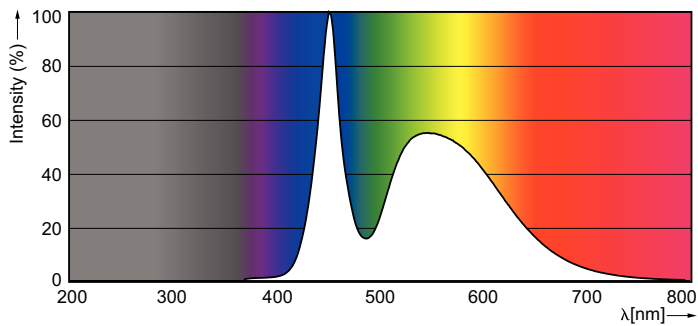
Product	D1	D2	A1	A2	A3	C	D
LEDtube 1200mm	25.68	28 mm	1,198	1,205	1,212	1,212	27.8
16W 765 T8 AP I G	mm		mm	mm	mm	mm	mm

## Photometric data



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

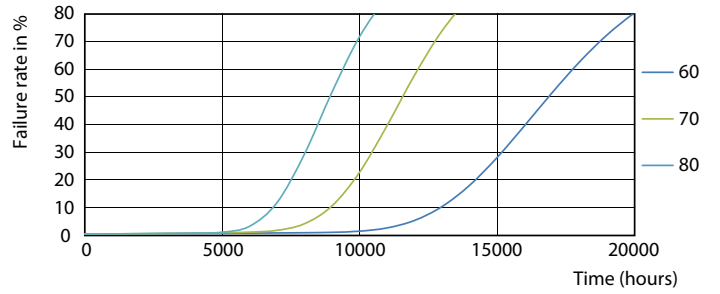
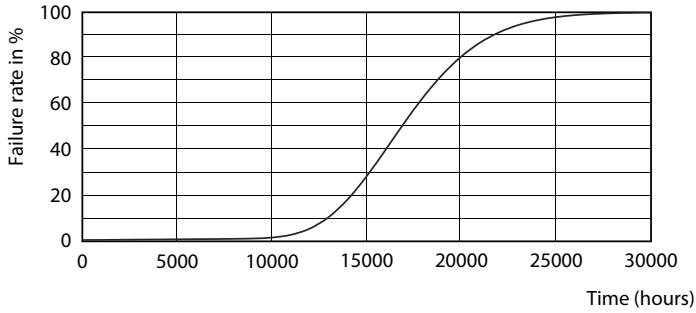
Light Distribution Diagram - LEDtube 1200mm 16W 765 T8 AP I G



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

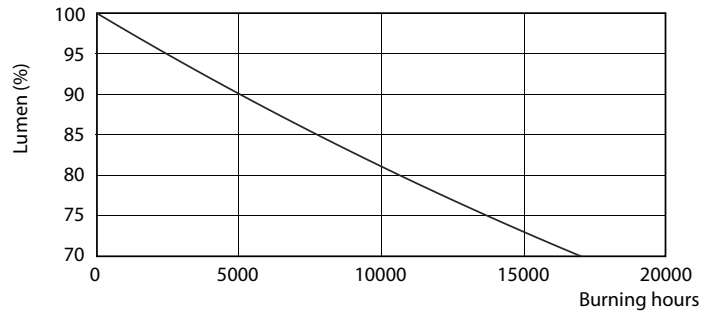
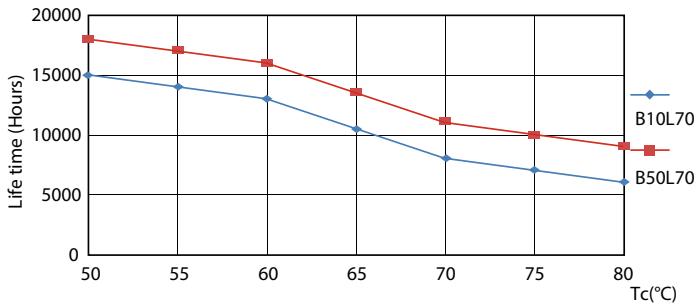
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## Lifetime



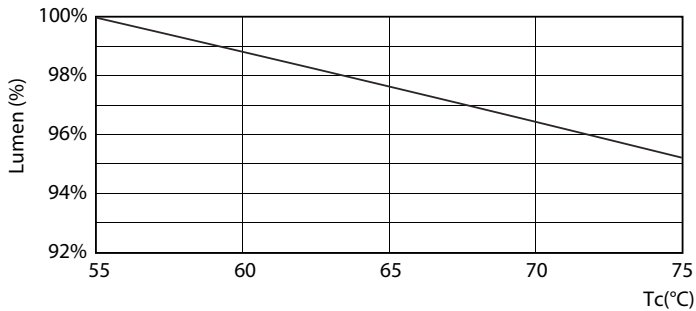
LEDtube 16W G13 740 T8 AP I G

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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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