PHILIPS

Lighting

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
EU RoHS compliant	Yes

Light Technical	
Color Code	765 [CCT of 6500K]
Beam Angle (Nom)	240 degree(s)
Luminous Flux	1,600 lm
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	100.00 lm/W
Color Consistency	<7
Color rendering index (CRI)	73
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

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

Controls and Dimming	
Dimmable	No

Mechanical and Housing	
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

Product Data	
Order product name	LEDtube 1200mm 16W 765 T8 AP I G

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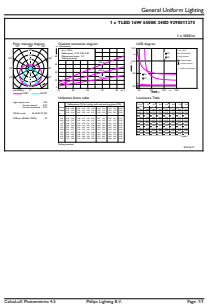
Full product name	LEDtube 1200mm 16W 765 T8 AP I G
Full product code	871869659998300
Order code	59998300
Material Nr. (12NC)	929001184638
Numerator - Quantity Per Pack	1

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

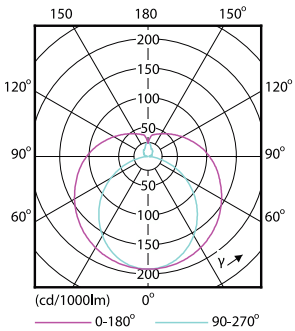
Dimensional drawing

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

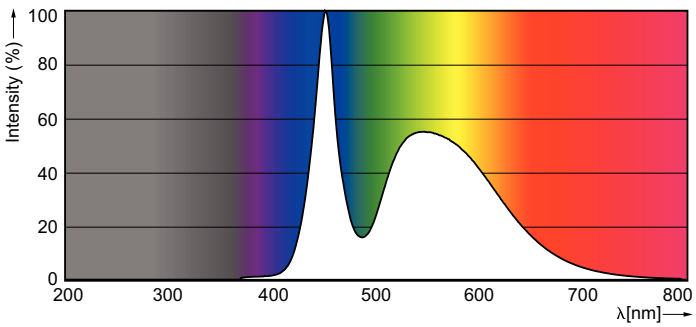
Photometric data



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

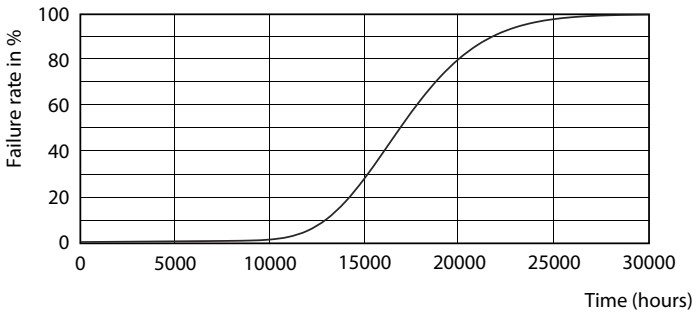


Light Distribution Diagram - LEDtube 1200mm 16W 765 T8 AP I G

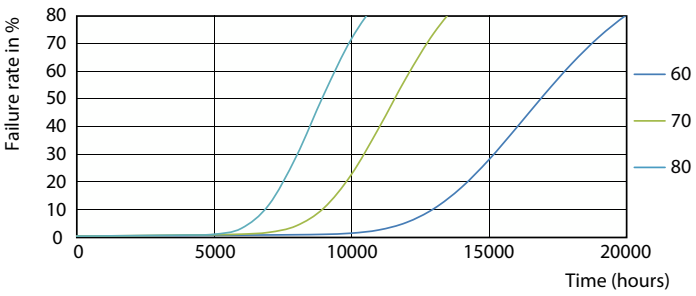


Spectral Power Distribution Colour - LEDtube 1200mm 16W 765 T8 AP I G

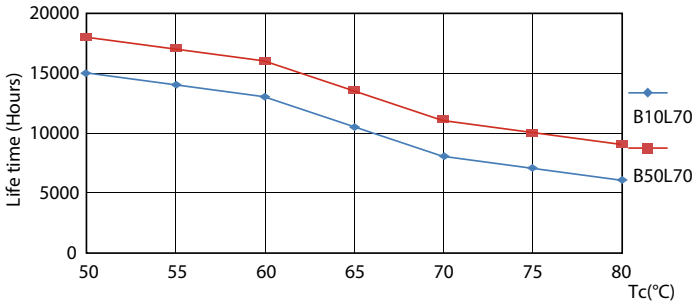
Lifetime



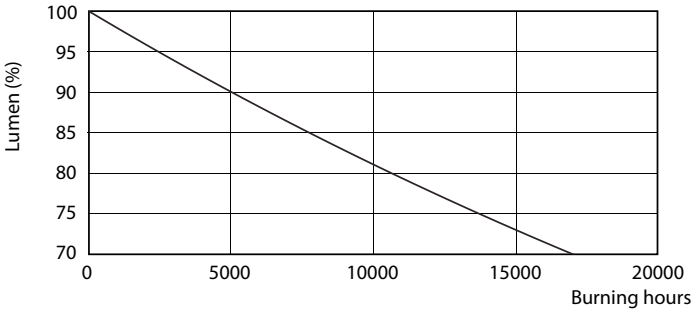
Life Expectancy Diagram - LEDtube 1200mm 16W 765 T8 AP I G



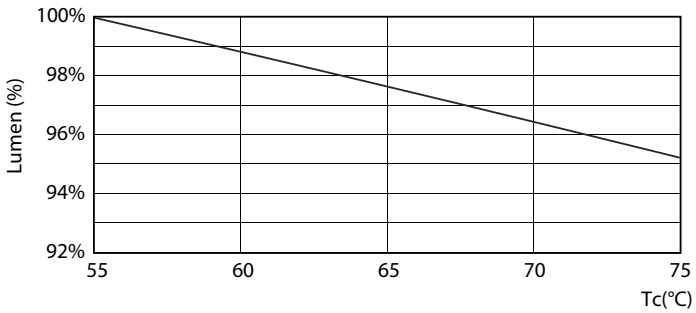
Life Expectancy Diagram - LEDtube 1200mm 16W 765 T8 AP I G



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



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



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

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2023, April 19 - data subject to change