

# 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 lumen
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

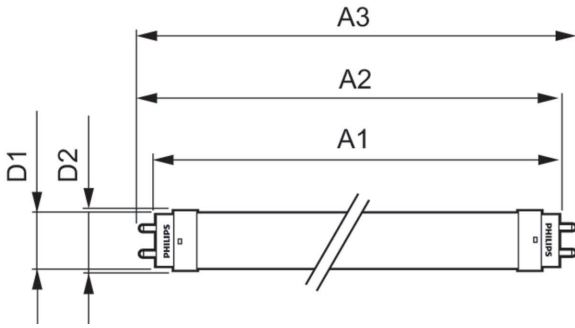
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.5
Voltage (Nom)	220-240 V
Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	60 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Product Length	1,200 mm
Bulb Shape	Tube, double-ended
Approval and Application	
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	
Full product code	871869659998300

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Order product name	LEDtube 1200mm 16W 765 T8 AP I G
Order code	59998300
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	20
Material Nr. (12NC)	929001184638

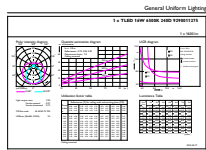
Full product name	LEDtube 1200mm 16W 765 T8 AP I G
EAN/UPC - Case	8718696599990

## Dimensional drawing

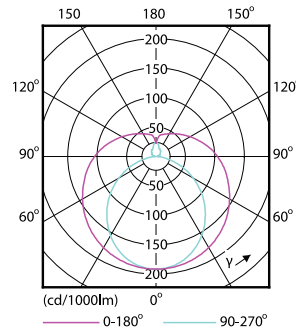


Product	D1	D2	A1	A2	A3	C	D
LEDtube 1200mm	25.68	28 mm	1,198	1,205	1,212	1,212	27.8
16W 765 T8 AP I G	mm		mm	mm	mm	mm	mm

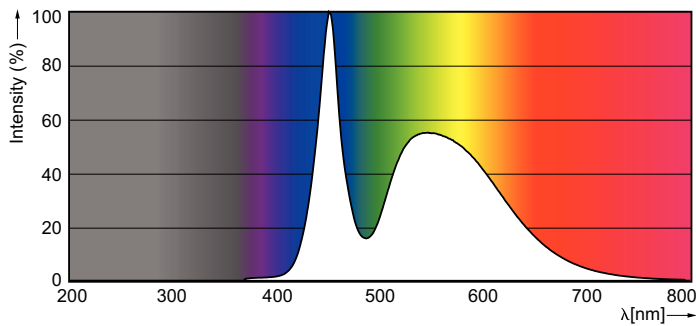
## Photometric data



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



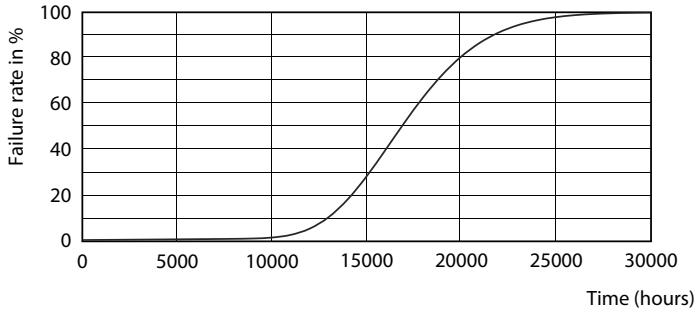
Light Distribution Diagram - LEDtube 1200mm 16W 765 T8 AP I G



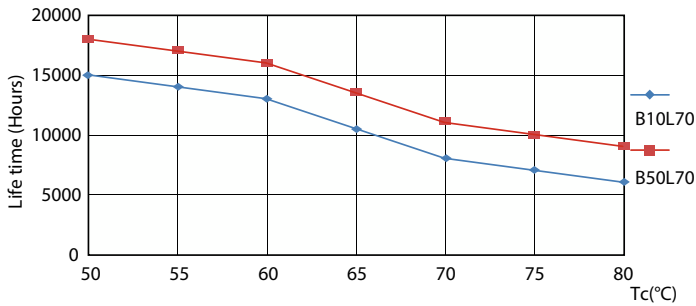
Spectral Power Distribution Colour - LEDtube 1200mm 16W 765 T8 AP I G

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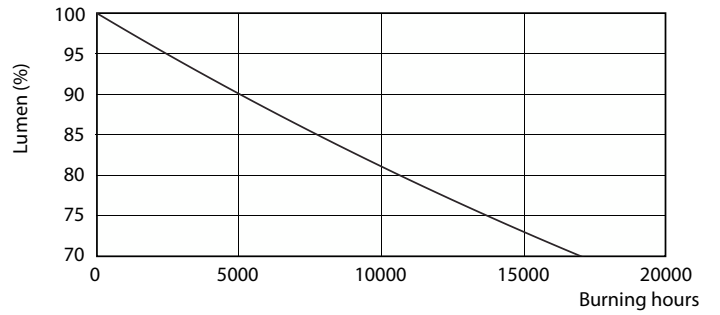
## Lifetime



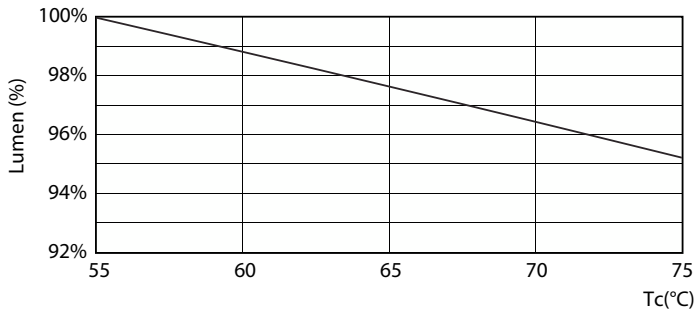
Life Expectancy Diagram - LEDtube 1200mm 16W 765 T8 AP I G



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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