

# Specialty LEDtube

## Sensor LEDtube 1200mm 16W 840 T8

Philips specialty LEDtube integrates a LED light source into a traditional fluorescent form factor. This product is the ideal solution for relamping to serve multi-purpose usage: it meets general lighting requirements, offers significant energy savings, and special function such as Visible Light Communication.

### Product data

General Information	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]
Nominal lifetime	30,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes
Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	240 degree(s)
Luminous Flux	1,800 lumen
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	112 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
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

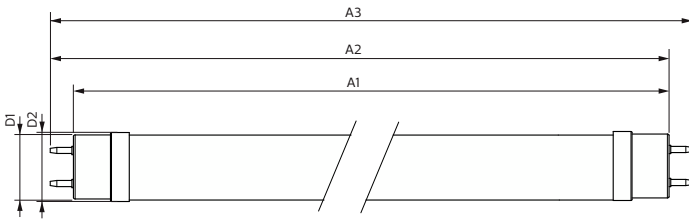
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	220-240 V
Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	50 °C
Controls and Dimming	
Dimmable	Only with specific dimmers
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Glass
Product Length	1,200 mm
Bulb Shape	Tube, double-ended
Approval and Application	
Energy Saving Product	Yes
Approval Marks	RoHS compliance KEMA Keur certificate
Product Data	
Full product code	692234194465900

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Order product name	Sensor LEDtube 1200mm 16W 840 T8
Order code	94465900
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929003103310

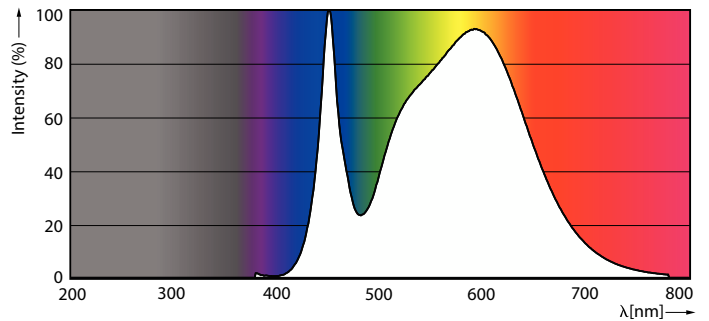
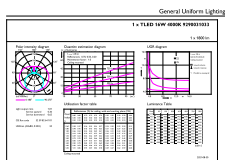
Full product name	Sensor LEDtube 1200mm 16W 840 T8
EAN/UPC - Case	6922341944666

## Dimensional drawing



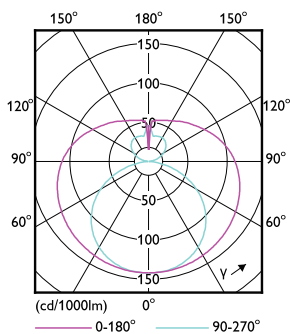
Product	D1	D2	A1	A2	A3
Sensor LEDtube 1200mm 16W 840 T8	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm

## Photometric data



General uniform lighting - Sensor LEDtube 1200mm 16W 840 T8

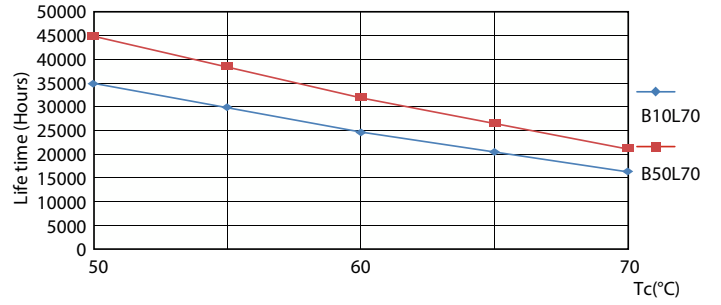
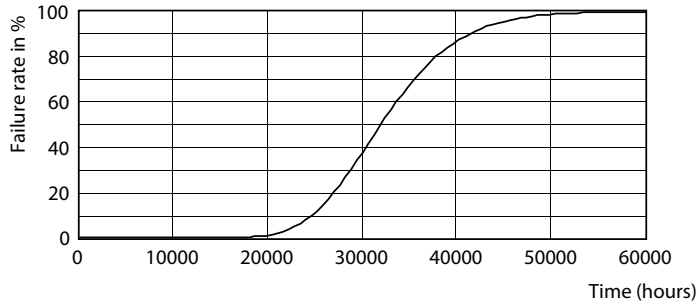
Spectral Power Distribution Colour



Light Distribution Diagram

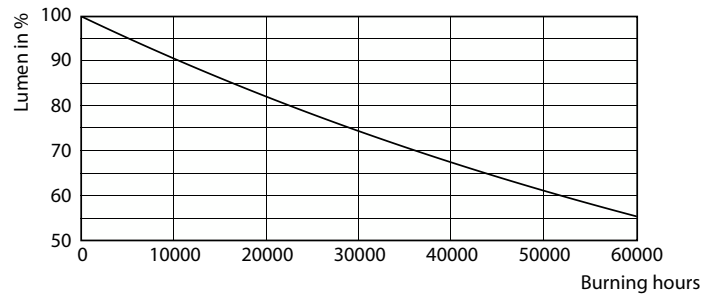
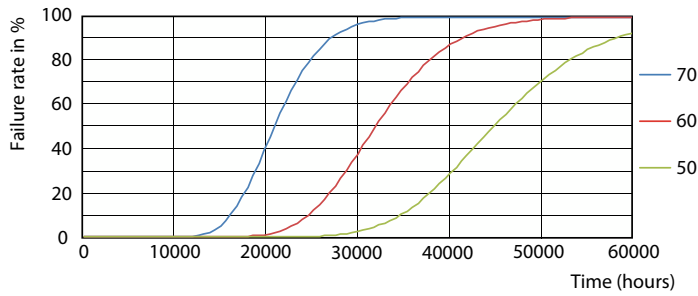
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## Lifetime



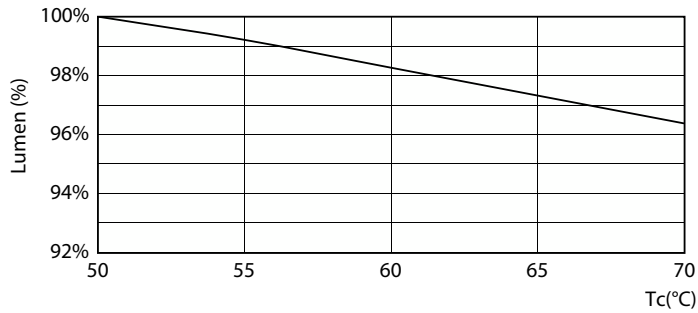
Life Expectancy Diagram - Sensor LEDtube 1200mm 16W 840 T8

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Life Expectancy Diagram - Sensor LEDtube 1200mm 16W 840 T8

Lumen Maintenance Diagram - Sensor LEDtube 1200mm 16W 840 T8



Lumen Maintenance Diagram

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