PHILIPS

Lighting

Essential LEDtube

ESSENTIAL LEDtube 1500mm 25W 840 I

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	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	3,000 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	120.00 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	25 W
Lamp Current (Max)	118 mA
Lamp Current (Min)	108 mA
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)	85 °C

Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Product Length	1,500 mm
Bulb Shape	Tube, double-ended

Approval and Application	
Energy Saving Product	Yes
Approval Marks	CE marking RoHS compliance KEMA Keur certificate
Energy Consumption kWh/1000 h	25 kWh

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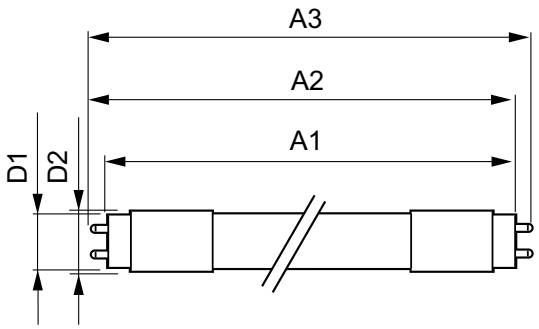
Product Data	
Order product name	ESSENTIAL LEDtube 1500mm 25W 840 I
Full product name	ESSENTIAL LEDtube 1500mm 25W 840 I
Full product code	871869668205000
Order code	929001289508
Material Nr. (12NC)	929001289508

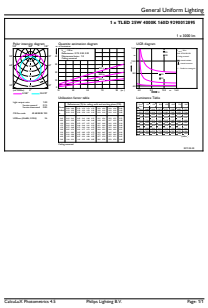
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696772058
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696682050

Dimensional drawing

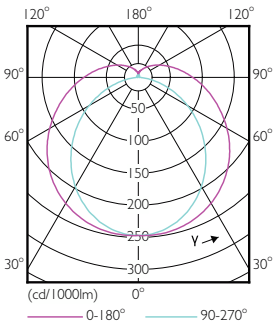


Product	D1	D2	A1	A2	A3
ESSENTIAL LEDtube 1500mm 25W 840 I	25.7 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm

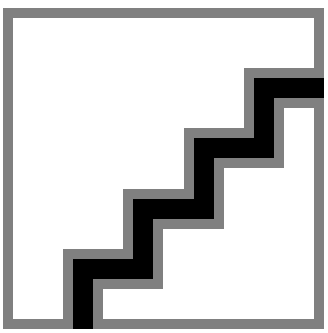
Photometric data



General uniform lighting - ESSENTIAL LEDtube 1500mm 25W 840 I



Light Distribution Diagram - ESSENTIAL LEDtube 1500mm 25W 840 I



Spectral Power Distribution Colour - ESSENTIAL LEDtube 1500mm 25W 840 I

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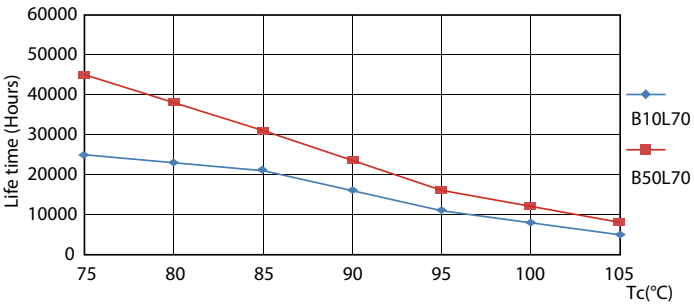
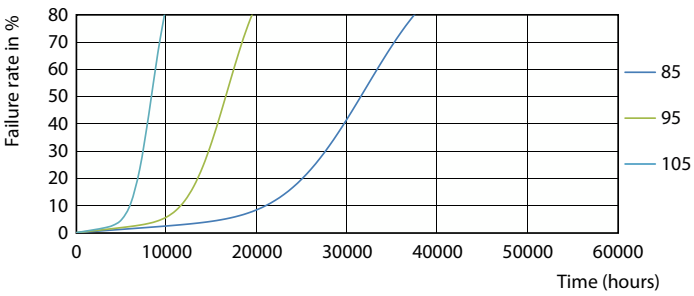
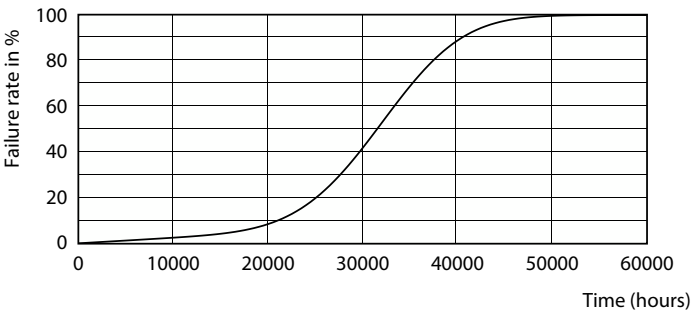
Lifetime



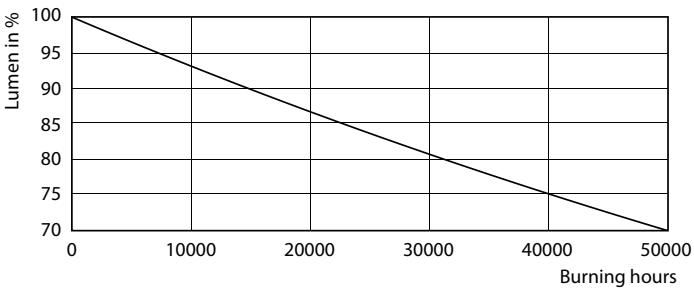
Life Expectancy Diagram - ESSENTIAL LEDtube 1500mm 25W 840 I



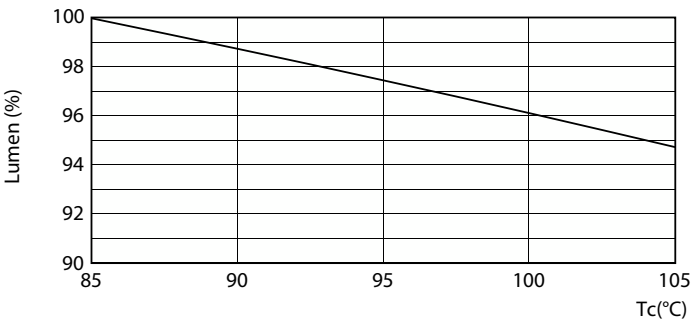
Life Expectancy Diagram - ESSENTIAL LEDtube 1500mm 25W 840 I



Life Expectancy Diagram - ESSENTIAL LEDtube 1500mm 25W 840 I



Lumen Maintenance Diagram - ESSENTIAL LEDtube 1500mm 25W 840 I



Lumen Maintenance Diagram - ESSENTIAL LEDtube 1500mm 25W 840 I

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www.lighting.philips.com
2023, May 15 - data subject to change