

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				

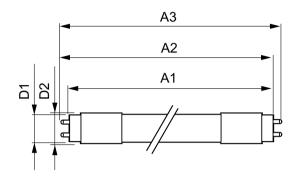
Lamp Current (Min)	108 mA				
Starting Time (Nom)	0.5 s				
Warm-up time to 60% light	0.5 s				
Power Factor (Fraction)	0.9				
Voltage (Nom)	220-240 V				
Temperature					
Ambient temperature range	-20 °C to 45 °C				
T-Case Maximum (Nom)	85 °C				
Controls and Dimming					
Dimmable	No				
Mechanical 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				

Datasheet, 2023, October 26 data subject to change

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

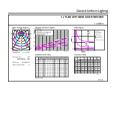
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696772058
Numerator - Packs per outer box	10
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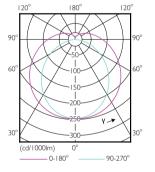
Dimensional drawing



Product	D1	D2	A1	A2	А3
ESSENTIAL LEDtube 1500mm 25W	25.7 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm
840 I					

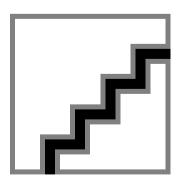
Photometric data





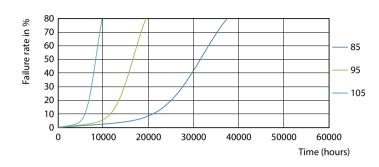
General uniform lighting - ESSENTIAL LEDtube 1500mm 25W 840 I

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



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

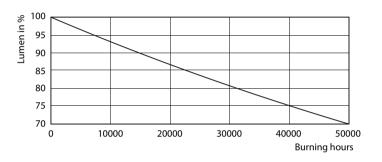
Lifetime



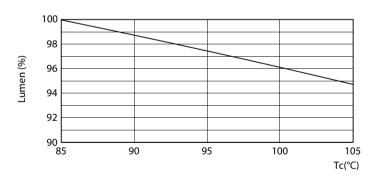
Life Expectancy Diagram - ESSENTIAL LEDtube 1500mm 25W 840 I

80 80 60 2000 3000 4000 5000 60000 Time (hours)

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

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



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