



# Essential LED tubes

## T5 Mains

### CorePro LEDtube 1200mm 16W830 G5 I MX

The Essential LEDtube T5 is an affordable LED solution suitable for replacing T5 fluorescent lamps. Thanks to a unique design, Philips Essential LED tube T5 Mains can be directly installed in luminaires operating on mains power connection. 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	G5
Nominal lifetime	30,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes
Light Technical	
Color Code	830 [CCT of 3000K]
Beam Angle (Nom)	200 degree(s)
Luminous Flux	2,000 lm
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	115.00 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

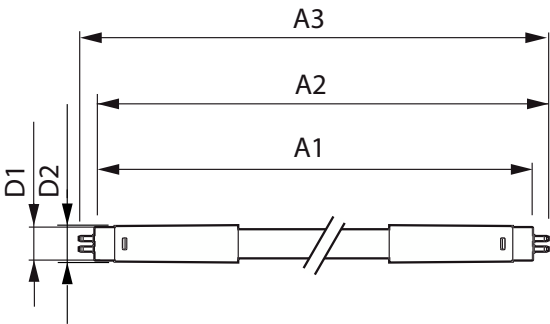
Input Frequency	50 to 60 Hz
Power Consumption	16 W
Lamp Current (Max)	175 mA
Lamp Current (Min)	70 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.92
Voltage (Nom)	100-240 V
Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	70 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Product Length	1,200 mm
Bulb Shape	T5

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Approval and Application	
Energy Saving Product	Yes
Approval Marks	CE marking RoHS compliance KEMA Keur certificate
Energy Consumption kWh/1000 h	- kWh
Product Data	
Order product name	CorePro LEDtube 1200mm 16W830 G5 I MX
Full product name	CorePro LEDtube 1200mm 16W830 G5 I MX

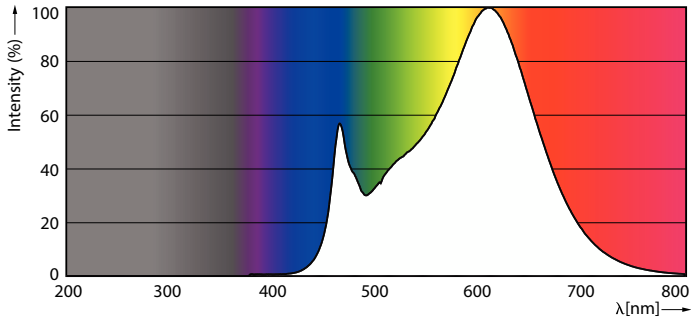
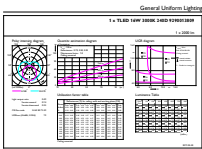
Full product code	871869673416200
Order code	929001380912
Material Nr. (12NC)	929001380912
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696734162
Numerator - Packs per outer box	20
EAN/UPC - Case	8718696734179

Dimensional drawing



Product	D1	D2	A1	A2	A3
CorePro LEDtube 1200mm 16W830 G5 I MX	15.8 mm	19 mm	1,149 mm	1,156.1 mm	1,163.2 mm

Photometric data

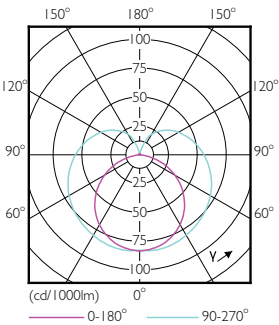


General uniform lighting - CorePro LEDtube 1200mm 16W830 G5 I MX

Spectral Power Distribution Colour - CorePro LEDtube 1200mm 16W830 G5 I MX

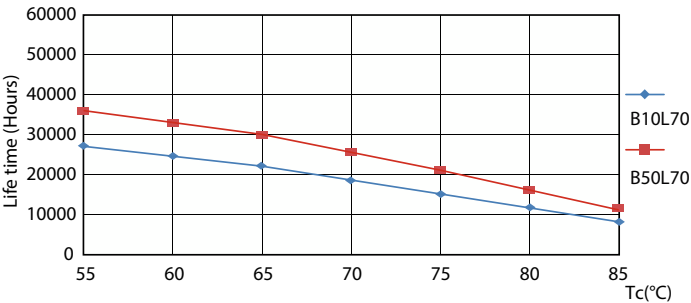
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Photometric data

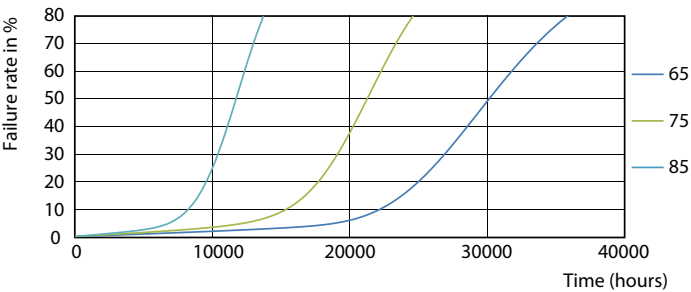


Light Distribution Diagram - CorePro LEDtube 1200mm 16W830 G5 I MX

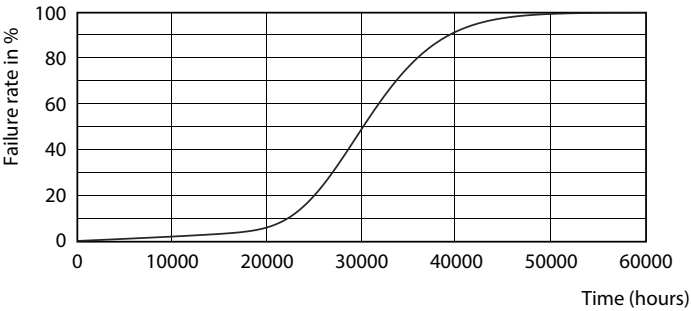
Lifetime



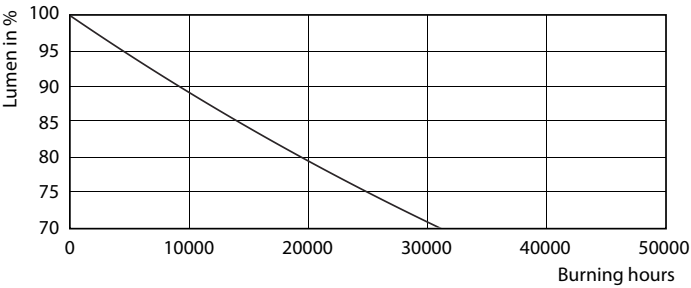
Life Expectancy Diagram - CorePro LEDtube 1200mm 16W830 G5 I MX



Life Expectancy Diagram - CorePro LEDtube 1200mm 16W830 G5 I MX



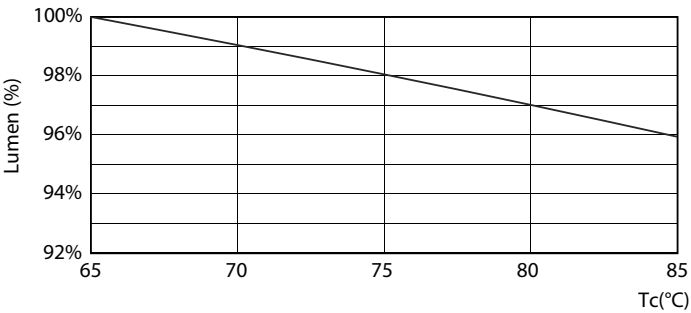
Life Expectancy Diagram - CorePro LEDtube 1200mm 16W830 G5 I MX



Lumen Maintenance Diagram - CorePro LEDtube 1200mm 16W830 G5 I MX

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Lifetime



Lumen Maintenance Diagram - CorePro LEDtube 1200mm 16W830 G5 I MX

