



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

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
LLMF At End Of Nominal Lifetime (Nom)	70 %
Color rendering index (CRI)	80

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	
T-Case Maximum (Nom)	70 °C

Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Product Length	1,200 mm
Bulb Shape	T5

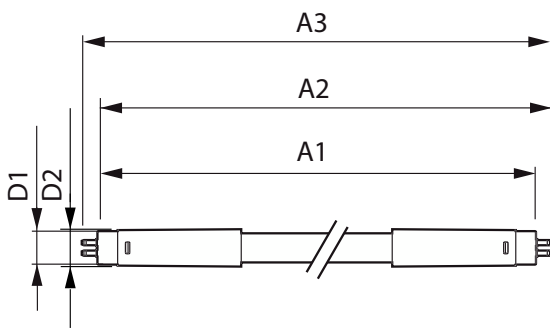
Approval and Application	
Energy Saving Product	Yes

Essential LED tubes T5 Mains

Approval Marks	CE marking RoHS compliance KEMA Keur certificate
Energy Consumption kWh/1000 h	- kWh
EU RoHS compliant	Yes
Ambient temperature range	-20 °C to 45 °C
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

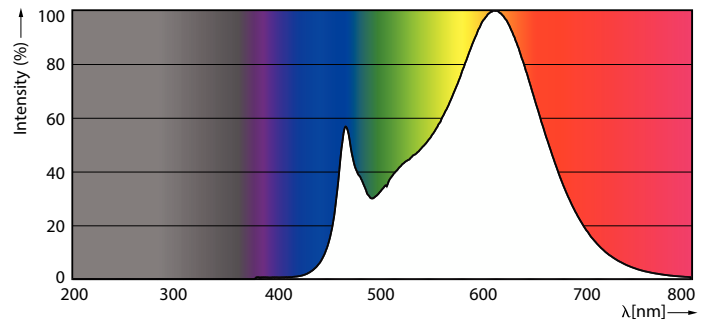
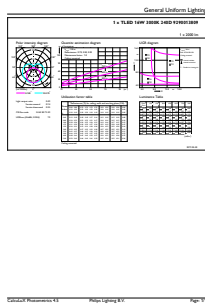
Order code	929001380912
Material Nr. (12NC)	929001380912
Numerator - Quantity Per Pack	1
Net Weight (Piece)	0.120 kg
EAN/UPC - Product/Case	8718696734162
Numerator - Packs per outer box	20
EAN/UPC - Case	8718696734179

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

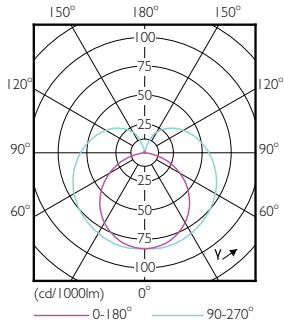


General uniform lighting - CorePro LEDtube 1200mm 16W830 G5 I MX

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

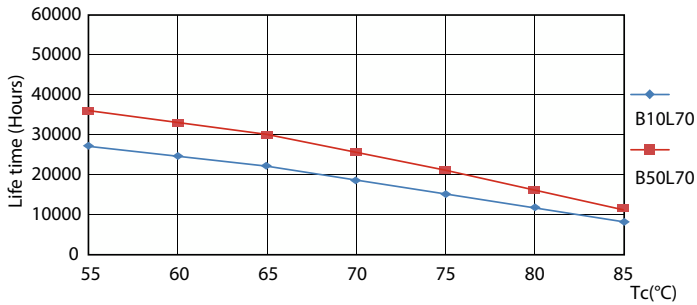
Essential LED tubes T5 Mains

Photometric data

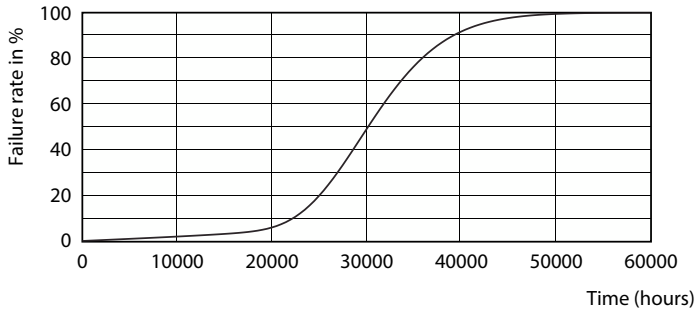


Light Distribution Diagram - CorePro LEDtube 1200mm 16W830 G5 I MX

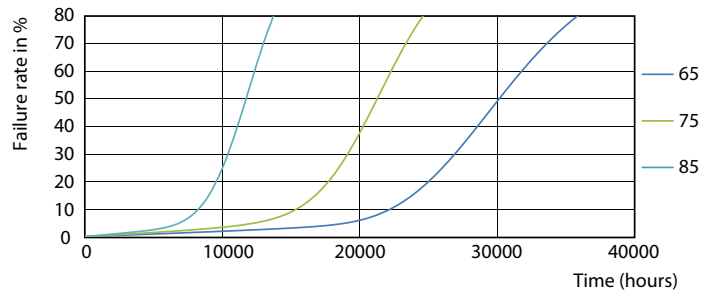
Lifetime



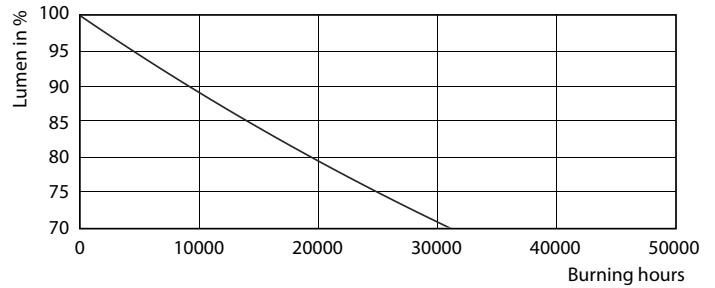
ESSENTIAL LEDtube 8-16W G5 830-865 APR



ESSENTIAL LEDtube 8-16W G5 830-865 APR



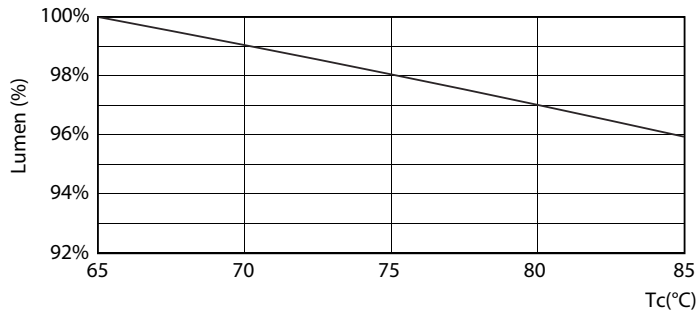
ESSENTIAL LEDtube 8-16W G5 830-865 APR



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

Essential LED tubes T5 Mains

Lifetime



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

