PHILIPS

Lighting

Essential LEDtube

CorePro LEDtube 1200mm 16W865 G5 I APR

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	G5
Nominal lifetime	30,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes

Light Technical	
Color Code	865 [CCT of 6500K]
Beam Angle (Nom)	200 degree(s)
Luminous Flux	2,100 lm
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	131.00 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)	179 mA
Lamp Current (Min)	77 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

Approval and Application	
Energy Saving Product	Yes
Approval Marks	CE marking RoHS compliance KEMA Keur certificate
Energy Consumption kWh/1000 h	16 kWh

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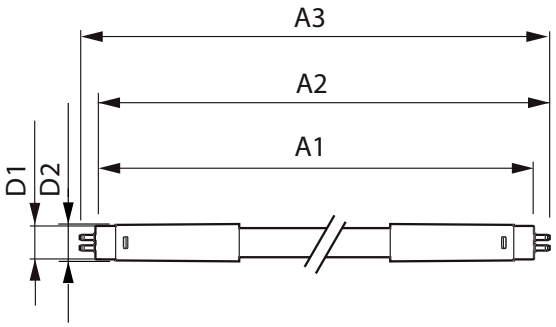
Product Data	
Order product name	CorePro LEDtube 1200mm 16W865 G5 I APR
Full product name	CorePro LEDtube 1200mm 16W865 G5 I APR
Full product code	871869673206900
Order code	929001381108
Material Nr. (12NC)	929001381108

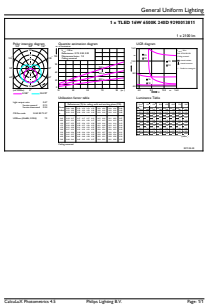
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696732069
Numerator - Packs per outer box	20
EAN/UPC - Case	8718696732076

Dimensional drawing

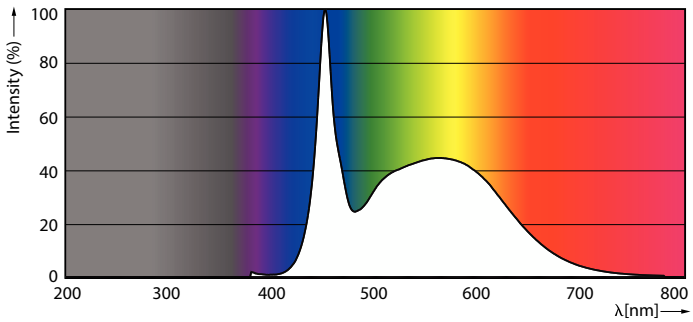


Product	D1	D2	A1	A2	A3
CorePro LEDtube 1200mm 16W865 G5 I APR	15.8 mm	19 mm	1,149 mm	1,156.1 mm	1,163.2 mm

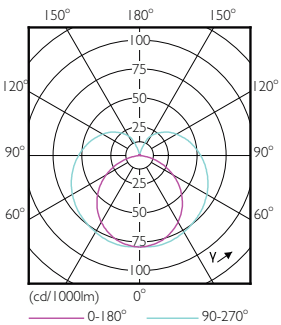
Photometric data



General uniform lighting - CorePro LEDtube 1200mm 16W865 G5 I APR



Spectral Power Distribution Colour - CorePro LEDtube 1200mm 16W865 G5 I APR



Light Distribution Diagram - CorePro LEDtube 1200mm 16W865 G5 I APR

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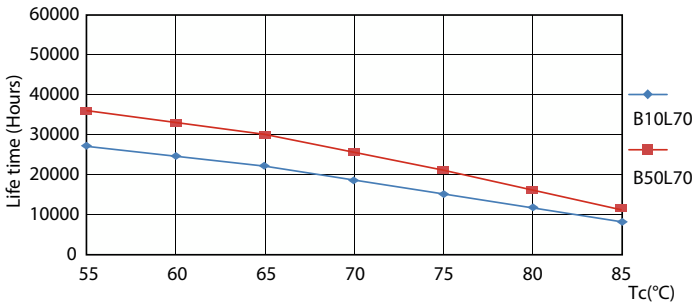
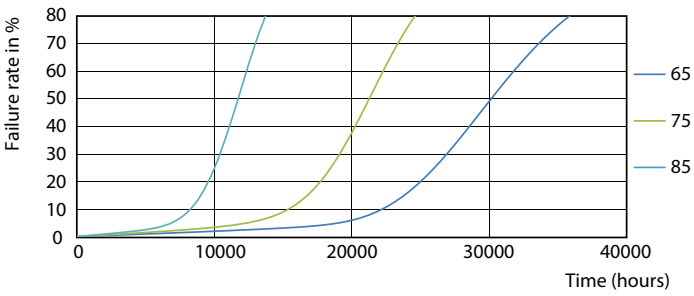
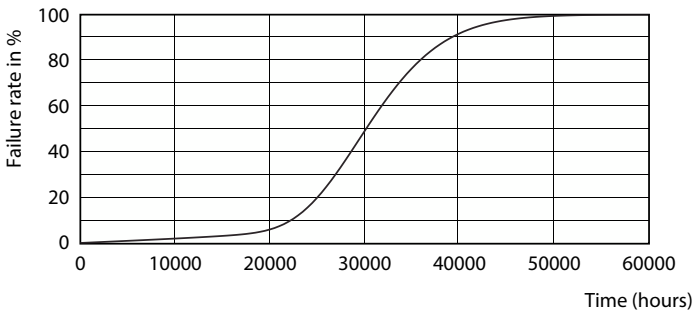
Lifetime



Life Expectancy Diagram - CorePro LEDtube 1200mm 16W865 G5 I APR



Life Expectancy Diagram - CorePro LEDtube 1200mm 16W865 G5 I APR



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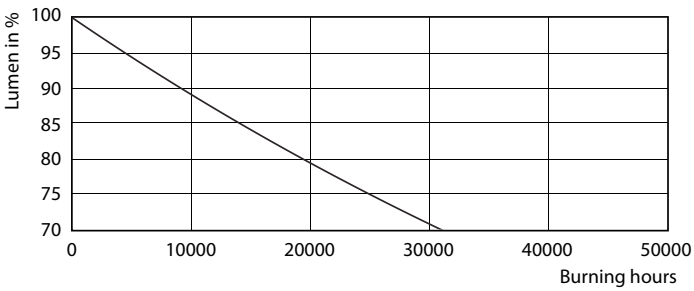
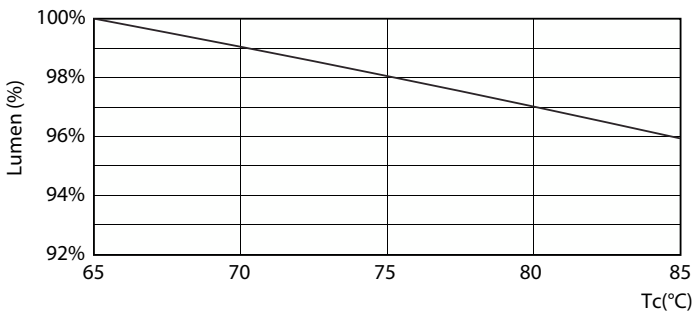


Lumen Maintenance Diagram - CorePro LEDtube 1200mm 16W865 G5 I APR



Lumen Maintenance Diagram - CorePro LEDtube 1200mm 16W865 G5 I APR

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2023, May 15 - data subject to change