PHILIPS

Lighting



CorePro LEDtube EM/ Mains T8

CorePro LEDtube 1500mm 20W 865

The CorePro LEDtube is an affordable LED solution 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.

Warnings and Safety

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Product data

General Information	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]
Nominal lifetime	30,000 hour(s)
Switching Cycle	200,000
Lighting Technology	LED
EU RoHS compliant	Yes

Light Technical	
Color Code	865 [CCT of 6500K]
Beam Angle (Nom)	240 degree(s)
Luminous Flux	2,200 lm
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	110.00 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Flickering value (PstLM)	2
Stroboscopic effect value (SVM)	2
Photobiological safety according to EN 62471	RG0

Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	20 W
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
LED alternative to fluorescent lamp power	58 W

Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	45 °C

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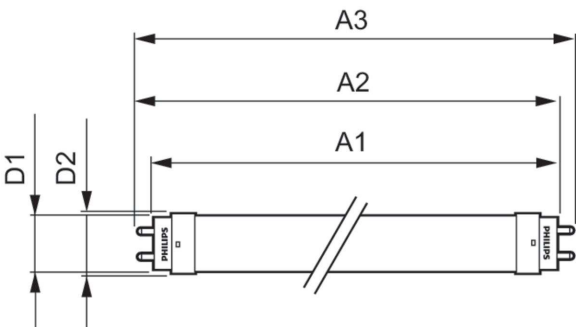
Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Bulb Material	Glass
Product Length	1,500 mm
Bulb Shape	T8

Approval and Application	
Energy Saving Product	Yes
Approval Marks	CE marking RoHS compliance KEMA Keur certificate
Energy Consumption kWh/1000 h	20 kWh

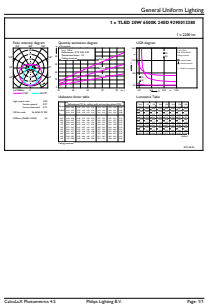
Product Data	
Order product name	CorePro LEDtube 1500mm 20W 865
Full product name	CorePro LEDtube 1500mm 20W 865
Full product code	871869671095100
Order code	71095100
Material Nr. (12NC)	929001338002
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696710951
Numerator - Packs per outer box	10
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Dimensional drawing

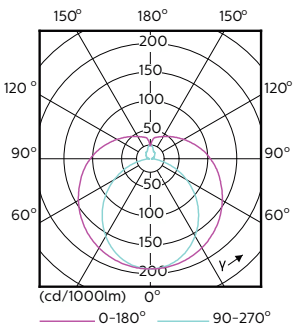


Product	D1	D2	A1	A2	A3
CorePro LEDtube 1500mm 20W 865	25.7 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm

Photometric data



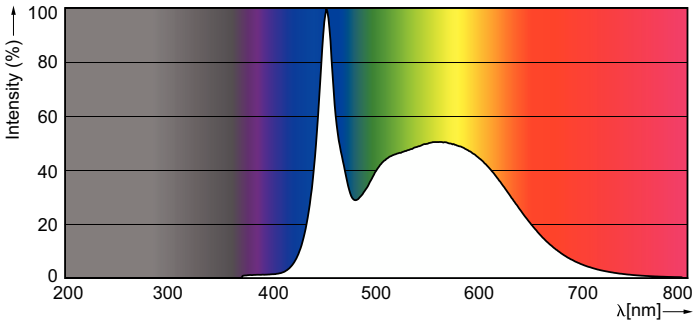
General uniform lighting - CorePro LEDtube 1500mm 20W 865



Light Distribution Diagram - CorePro LEDtube 1500mm 20W 865

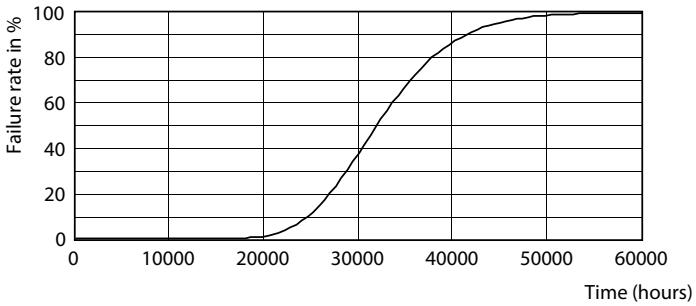
CorePro LEDtube EM/Mains T8

Photometric data

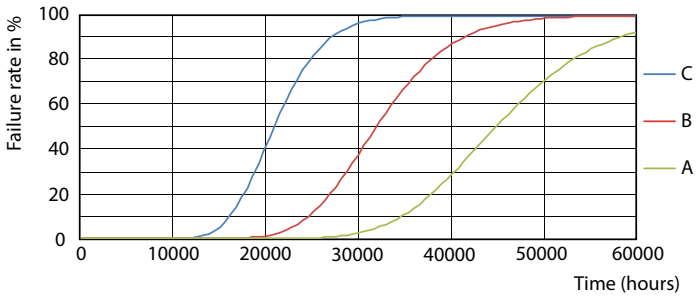


Spectral Power Distribution Colour - CorePro LEDtube 1500mm 20W 865

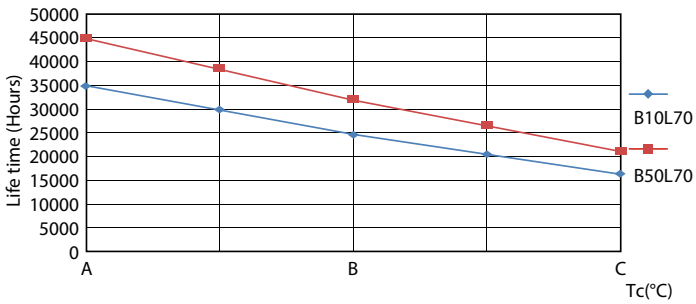
Lifetime



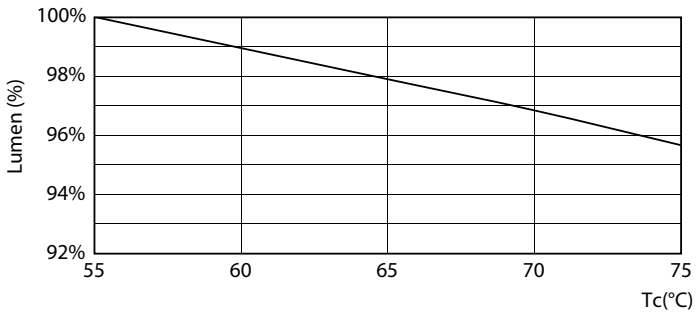
Life Expectancy Diagram - CorePro LEDtube 1500mm 20W 865



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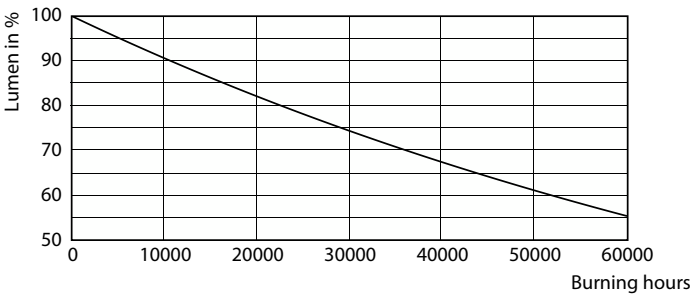
Life Expectancy Diagram - CorePro LEDtube 1500mm 20W 865



Lumen Maintenance Diagram - CorePro LEDtube 1500mm 20W 865

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Lifetime



Lumen Maintenance Diagram - CorePro LEDtube 1500mm 20W 865

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