PHILIPS

Lighting

Essential LEDtube

CorePro LEDtube HO 1200mm 18W865T8 AP

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	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	2,100 lm
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	116.00 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	18 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

Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	65 °C

Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Product Length	1,200 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	18 kWh

Product Data	
Order product name	CorePro LEDtube HO 1200mm 18W865T8 AP

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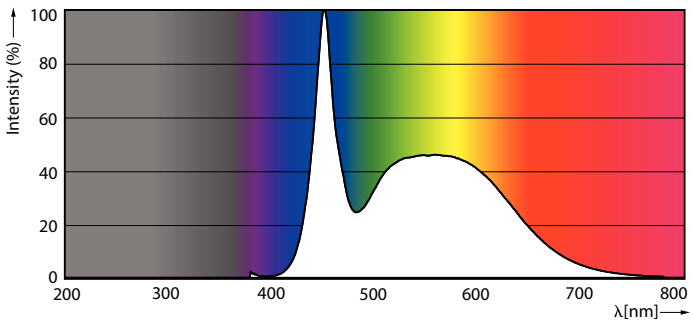
Full product name	CorePro LEDtube HO 1200mm 18W865T8 AP
Full product code	871869673404900
Order code	73404900
Material Nr. (12NC)	929001383508
Numerator - Quantity Per Pack	1

EAN/UPC - Product/Case	8718696734049
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696734056

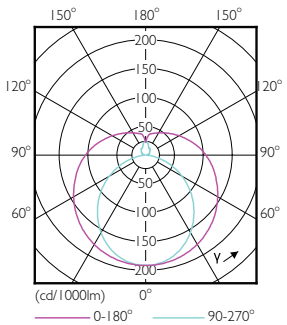
Dimensional drawing

Product	D1	D2	A1	A2	A3
CorePro LEDtube HO 1200mm 18W865T8 AP	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm

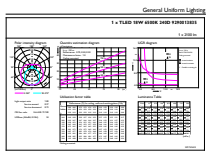
Photometric data



Spectral Power Distribution Colour - CorePro LEDtube HO 1200mm 18W865T8 AP



Light Distribution Diagram - CorePro LEDtube HO 1200mm 18W865T8 AP



General uniform lighting - CorePro LEDtube HO 1200mm 18W865T8 AP

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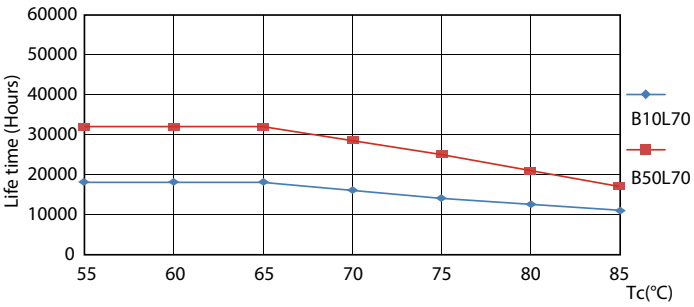
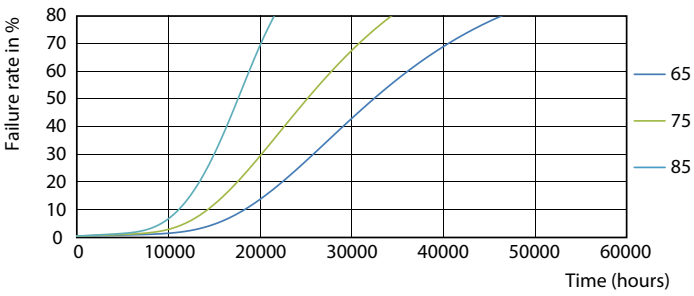
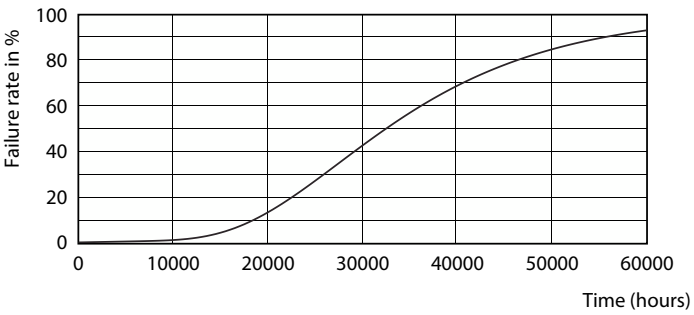
Lifetime



Life Expectancy Diagram - CorePro LEDtube HO 1200mm 18W865T8 AP



Life Expectancy Diagram - CorePro LEDtube HO 1200mm 18W865T8 AP



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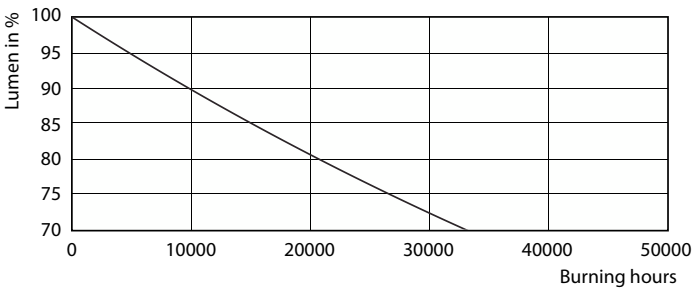
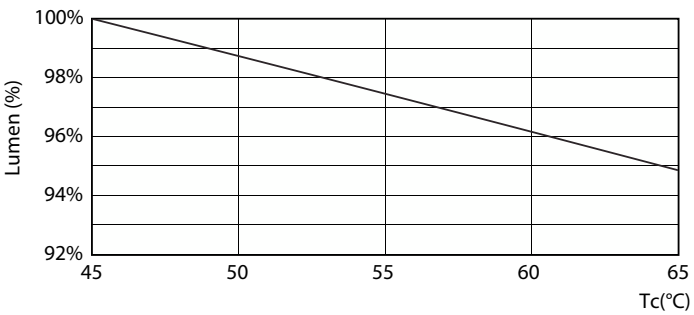


Lumen Maintenance Diagram - CorePro LEDtube HO 1200mm 18W865T8 AP



Lumen Maintenance Diagram - CorePro LEDtube HO 1200mm 18W865T8 AP

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2023, April 19 - data subject to change