PHILIPS

Lighting



Essential LEDtube

LEDtube HO 1200mm 20W 740 T8 AP I G

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	15,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes

Light Technical	
Color Code	740 [CCT of 4000K]
Beam Angle (Nom)	240 degree(s)
Luminous Flux	2,100 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	105.00 lm/W
Color Consistency	<7
Color rendering index (CRI)	70
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	20 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.5
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	RoHS compliance KEMA Keur certificate
Energy Consumption kWh/1000 h	20 kWh

Product Data	
Order product name	LEDtube HO 1200mm 20W 740 T8 AP I G
Full product name	LEDtube HO 1200mm 20W 740 T8 AP I G

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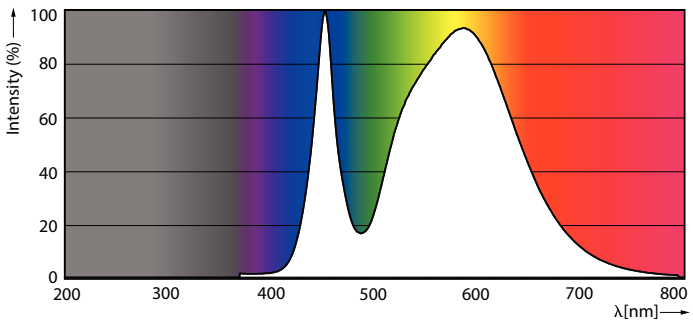
Full product code	871869667434500
Order code	929001277208
Material Nr. (12NC)	929001277208
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696674345

Numerator - Packs per outer box	10
EAN/UPC - Case	8718696674352

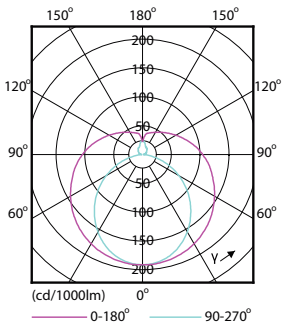
Dimensional drawing

Product	D1	D2	A1	A2	A3
LEDtube HO 1200mm 20W 740 T8 AP I G	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm

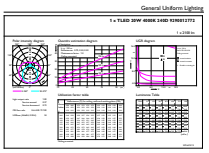
Photometric data



Spectral Power Distribution Colour - LEDtube HO 1200mm 20W 740 T8 AP I G

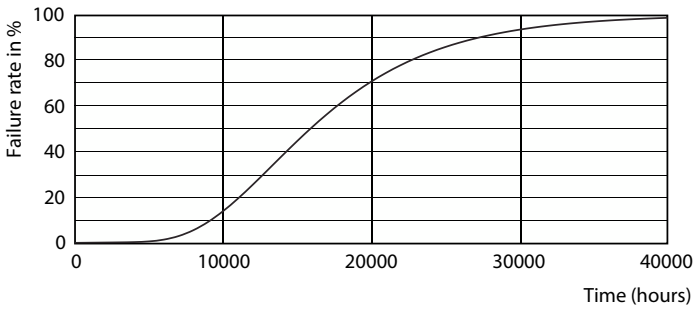


Light Distribution Diagram - LEDtube HO 1200mm 20W 740 T8 AP I G

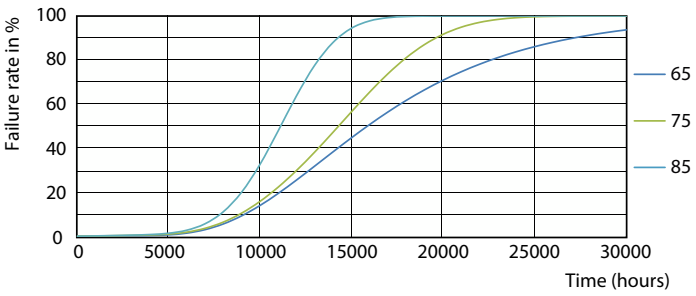


General uniform lighting - LEDtube HO 1200mm 20W 740 T8 AP I G

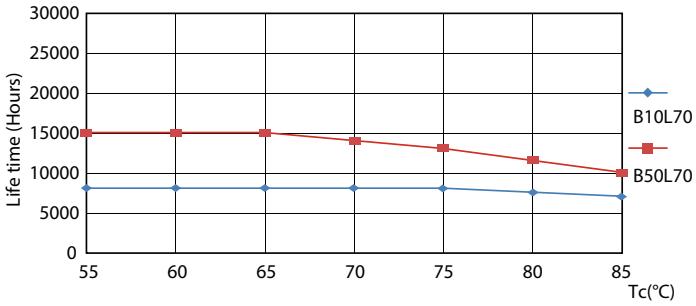
Lifetime



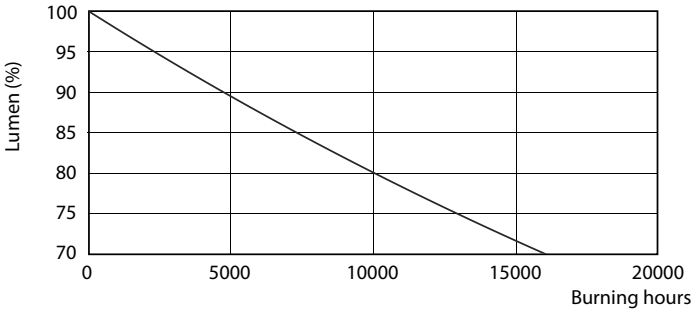
Life Expectancy Diagram - LEDtube HO 1200mm 20W 740 T8 AP I G



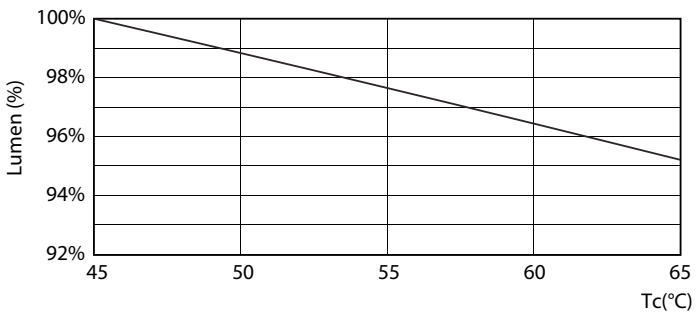
Life Expectancy Diagram - LEDtube HO 1200mm 20W 740 T8 AP I G



Life Expectancy Diagram - LEDtube HO 1200mm 20W 740 T8 AP I G



Lumen Maintenance Diagram - LEDtube HO 1200mm 20W 740 T8 AP I G



Lumen Maintenance Diagram - LEDtube HO 1200mm 20W 740 T8 AP I G

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2023, April 14 - data subject to change