PHILIPS

Lighting



Ecofit Ledtubes T8

LEDtube 1200mm 16W 740 T8 AP C G

Upgrade to efficient, long-lasting LED tubes with the Ecofit LED tubes. Ecofit LED tubes are a fast and easy way to replace your old fluorescent tubes with modern, efficient LED technology. Good quality of light with a natural lighting effect for use in general lighting applications with low initial investment – 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
Rated Lifetime (Hours)	15,000 hour(s)
Lighting Technology	LED
EU RoHS compliant	Yes

Light Technical	
Color Code	740 [CCT of 4000K]
Beam Angle (Nom)	240 degree(s)
Luminous Flux	1,600 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	100.00 lm/W
Color Consistency	<7
Color rendering index (CRI)	73
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
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
Ballast Compatibility	EM

Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	60 °C

Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Glass
Product Length	1,200 mm
Bulb Shape	T8

Approval and Application	
Energy Saving Product	Yes

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Suitable For Accent Lighting	No
Approval Marks	RoHS compliance KEMA Keur certificate
Energy Consumption kWh/1000 h	16 kWh
EyeComfort	Yes
LED Innovations	EyeComfort

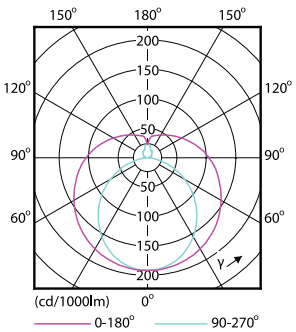
Product Data	
Order product name	LEDtube 1200mm 16W 740 T8 AP C G
Full product name	LEDtube 1200mm 16W 740 T8 AP C G

Full product code	871869652501200
Order code	52501200
Material Nr. (12NC)	929001184508
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696525012
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696525029

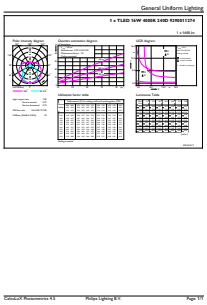
Dimensional drawing

Product	D1	D2	A1	A2	A3	C	D
LEDtube 1200mm 16W 740 T8 AP C G	25.68 mm		1,198 mm	1,205 mm	1,212 mm	1,212 mm	27.8 mm

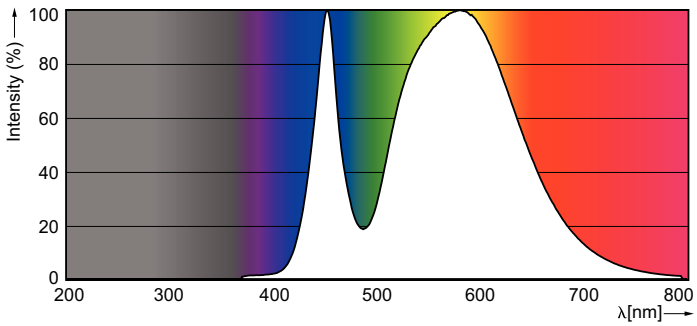
Photometric data



Light Distribution Diagram - LEDtube 1200mm 16W 740 T8 AP C G

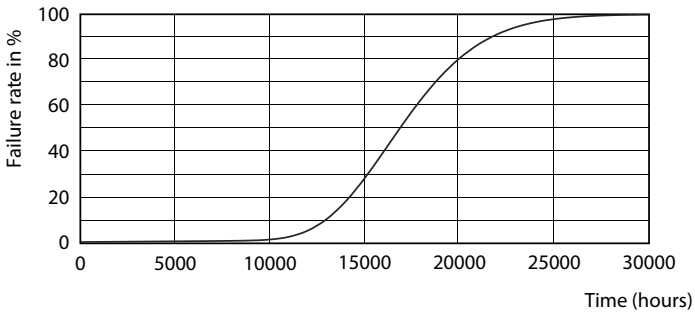


General uniform lighting - LEDtube 1200mm 16W 740 T8 AP C G

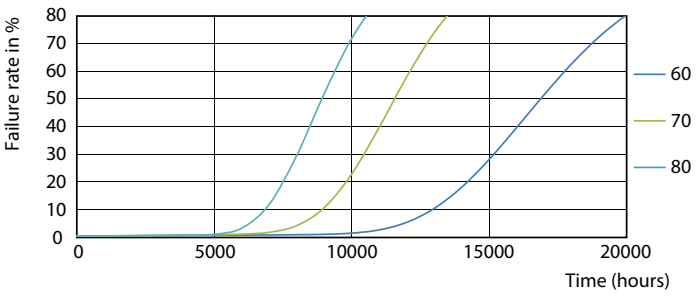


Spectral Power Distribution Colour - LEDtube 1200mm 16W 740 T8 AP C G

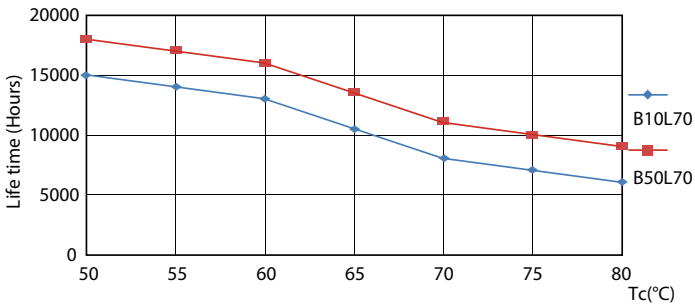
Lifetime



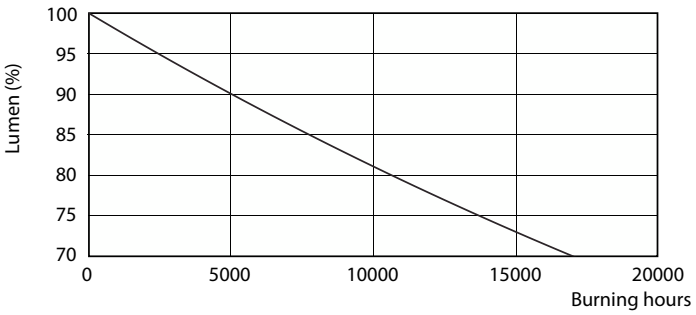
Life Expectancy Diagram - LEDtube 1200mm 16W 740 T8 AP C G



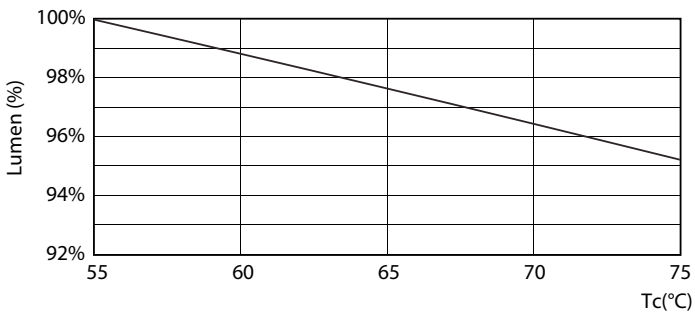
Life Expectancy Diagram - LEDtube 1200mm 16W 740 T8 AP C G



Life Expectancy Diagram - LEDtube 1200mm 16W 740 T8 AP C G



Lumen Maintenance Diagram - LEDtube 1200mm 16W 740 T8 AP C G



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2023, April 19 - data subject to change