PHILIPS

Lighting

Ecofit LED tubes T8

Ledtube DE 1200mm 18W 765 T8 G13 C

Ecofit, LEDtube, T8, EM, Double-ended, 1200 mm, 220-240 V, 18 W, 36W TL-D, 6500 K, 1800 lm, 15000 hour(s)

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
Nominal lifetime	15,000 hour(s)
Switching Cycle	50,000
Rated Lifetime (Hours)	15,000 hour(s)
Lighting Technology	LEDtube

Light Technical	
Color Code	765 [CCT of 6500K]
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Beam Angle (Nom)	240 degree(s)
Luminous Flux	1,800 lm
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	100 lm/W
Color Consistency	<7
Color rendering index (CRI)	70

LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical	
Input Frequency	50 to 60 Hz
Power Consumption	18 W
Lamp Current (Nom)	140 mA
Wattage Equivalent	36 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
LED alternative to fluorescent lamp power	36W TL-D
Ballast Compatibility	EM

Temperature	
T-Case Maximum (Nom)	55 °C

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Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Glass
Product Length	1,200 mm
Overall length	1,214 mm
Overall width	28 mm
Overall height	1,214 mm
Dimensions (Height x Width x Depth)	1214 x 28 x 1214 mm
Bulb Shape	T8
Net Weight (Piece)	0.170 kg

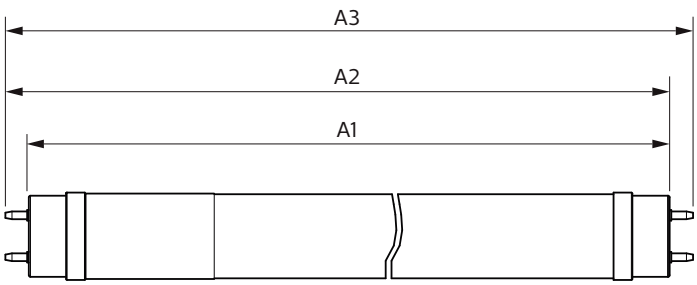
Approval and Application	
Energy Saving Product	Yes
Approval Marks	RoHS compliance
EU RoHS compliant	Yes
EyeComfort	Yes

LED Innovations	EyeComfort
Ambient temperature range	-20 to +45 °C

Application Conditions	
Wireless Technology	Not applicable

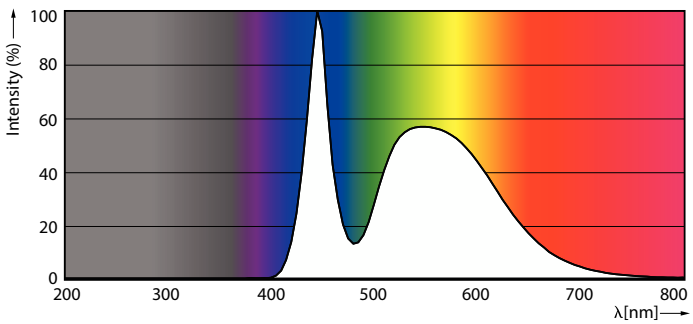
Product Data	
Order product name	Ledtube DE 1200mm 18W 765 T8 G13 C
Full product name	Ledtube DE 1200mm 18W 765 T8 G13 C
Full product code	872016920852000
Order code	929003662638
Material Nr. (12NC)	929003662638
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169208520
Numerator - Packs per outer box	10
EAN/UPC - Case	8720169208537

Dimensional drawing

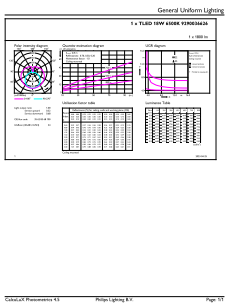


Product	D1	D2	A1	A2	A3
Ledtube DE 1200mm 18W 765 T8 G13 C	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm

Photometric data



Spectral Power Distribution Colour - Ledtube DE 1200mm 18W 765 T8 G13 C



General uniform lighting - Ledtube DE 1200mm 18W 765 T8 G13 C

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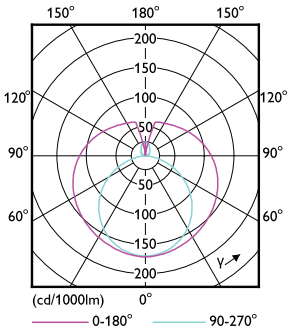
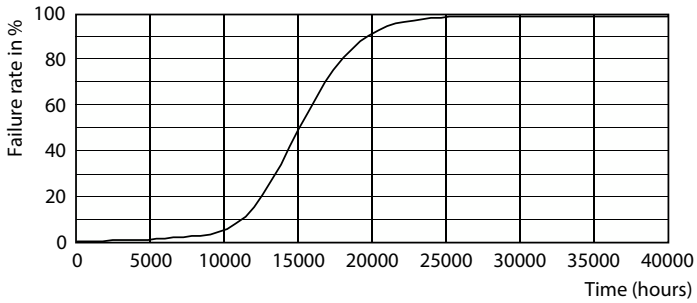
Photometric data

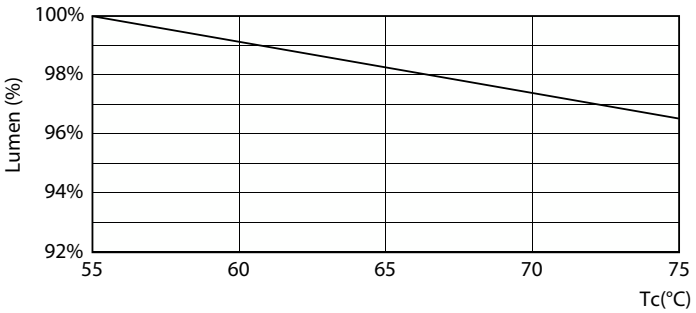


Light Distribution Diagram - Ledtube DE 1200mm 18W 765 T8 G13 C

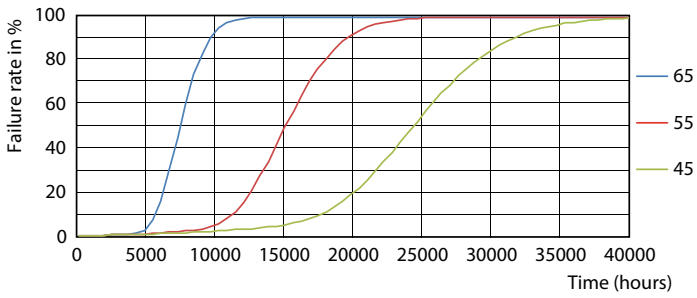
Lifetime



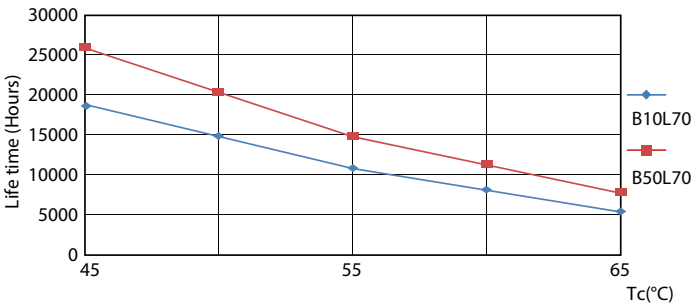
Life Expectancy Diagram



Lumen Maintenance Diagram - Ledtube DE 1200mm 18W 765 T8 G13 C



FailureRate



LifetimeVsTc

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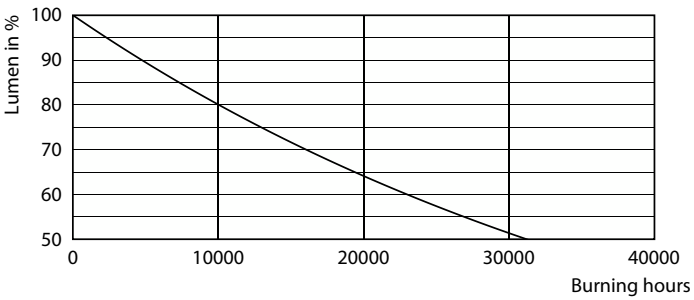
Lifetime



Lumen Maintenance Diagram - Ledtube DE 1200mm 18W 765 T8 G13 C

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