PHILIPS

Lighting

Ecofit LED tubes T8

Ecofit LEDtube 600mm 8W 840 T8

Ecofit, LEDtube, T8, EM/Mains, 600 mm, 8 W, 18W TL-D, 4000 K, 800 lm, CRI 80, 20000 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	20,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LEDtube
Flux measurement reference	Sphere
Warranty period	2 years

Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	240 degree(s)
Luminous Flux	800 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	100.00 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Photobiological safety according to EN 62471	RG0

Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	8 W
Lamp Current (Nom)	70 mA
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	18W TL-D
Ballast Compatibility	EM/Mains

Temperature	
T-Case Maximum (Nom)	55 °C

Ecofit LED tubes T8

Controls and Dimming	
Dimmable	No

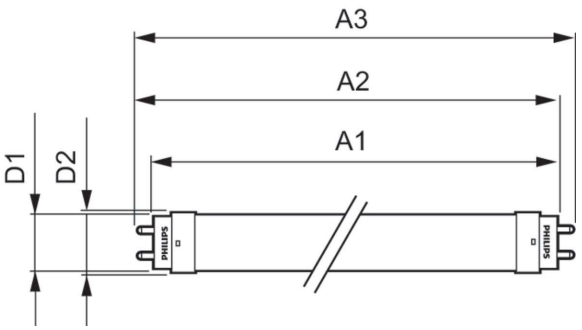
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Glass
Product Length	600 mm
Bulb Shape	T8
Net Weight (Piece)	0.120 kg

Approval and Application	
Energy Efficiency Class	F
Energy Saving Product	Yes
Approval Marks	RoHS compliance CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	8 kWh
EPREL Registration Number	726135
EU RoHS compliant	Yes

Flickering value (PstLM) - Flickering value as per EN 61000-3-3	0.1
Stroboscopic effect visibility measure (SVM)	0.3
Ambient temperature range	-20 °C to 45 °C

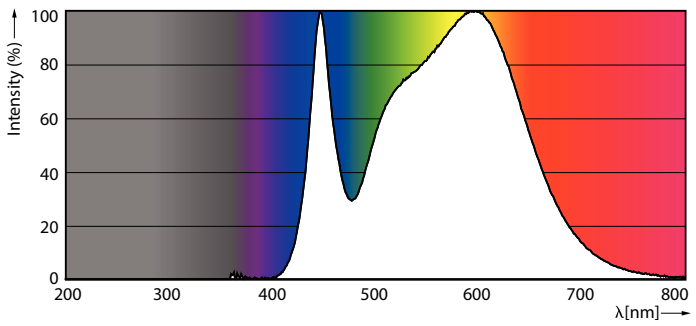
Product Data	
Order product name	Ecofit LEDtube 600mm 8W 840 T8
Full product name	Ecofit LEDtube 600mm 8W 840 T8
Full product code	871951440367300
Order code	929003130302
Material Nr. (12NC)	929003130302
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514403673
Numerator - Packs per outer box	20
EAN/UPC - Case	8719514403680

Dimensional drawing

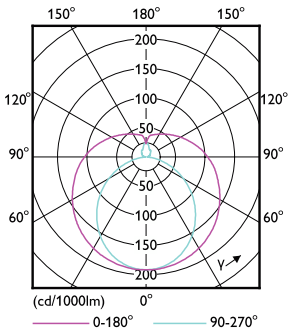


Product	D1	D2	A1	A2	A3
Ecofit LEDtube 600mm 8W 840 T8	25.7 mm	28 mm	588.5 mm	595.5 mm	602.5 mm

Photometric data



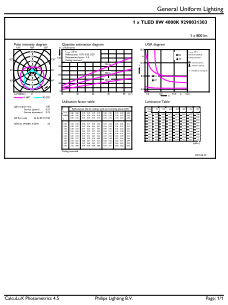
Spectral Power Distribution Colour - Ecofit LEDtube 600mm 8W 840 T8



Light Distribution Diagram - Ecofit LEDtube 600mm 8W 840 T8

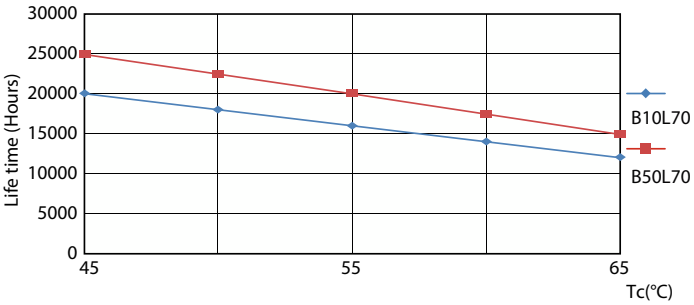
Ecofit LED tubes T8

Photometric data

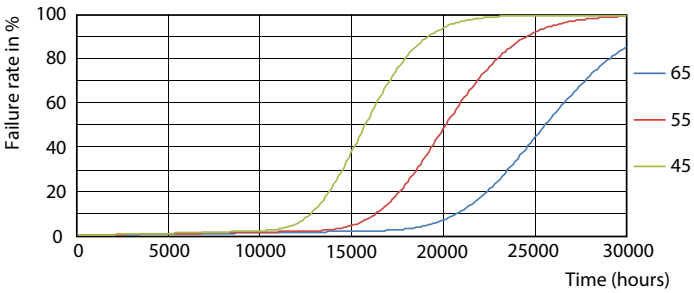


General uniform lighting - Ecofit LEDtube 600mm 8W 840 T8

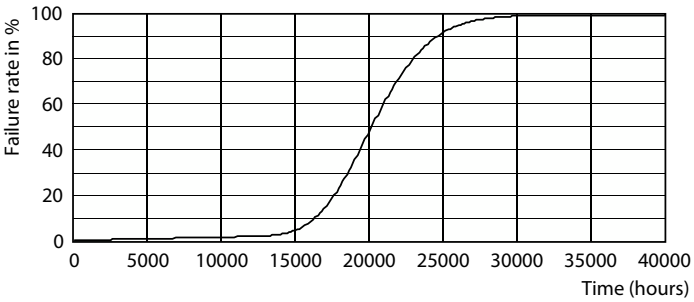
Lifetime



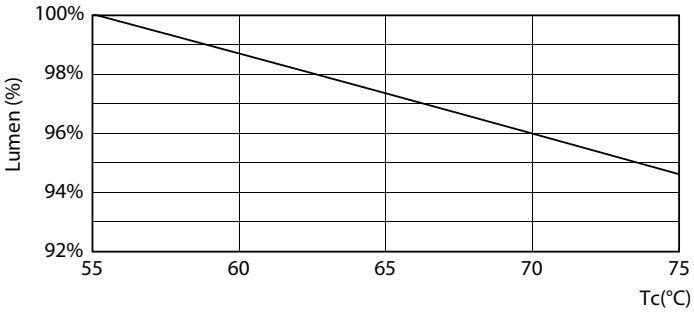
LifetimeVsTc



FailureRate



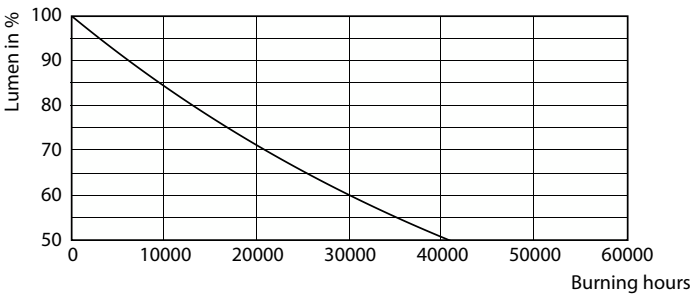
Life Expectancy Diagram



Lumen Maintenance Diagram - Ecofit LEDtube 600mm 8W 840 T8

Ecofit LED tubes T8

Lifetime



Lumen Maintenance Diagram - Ecofit LEDtube 600mm 8W 840 T8

© 2026 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.