PHILIPS

Lighting

LED tube Connected EM/Mains T8

LEDtube Connected IA 1200mm 15.6W865 T8

Connected, LEDtube, T8, EM/Mains, 1200 mm, 220-240 V, 15.6 W, 36W TL-D, 6500 K, 2500 lm, CRI 80, 75000 hour(s)

Connected, LEDtube, T8, EM/Mains, 1200 mm, 220-240 V, 15.6 W, LED alternative to 36W TL-D, 6500 K, 2500 lm, CRI 80, 75000 hour(s), 160 lm/W, EEL C, G13 Rotatable end-cap, Beam angle 160 degree(s), Plastic, 1200 mm, RG0, SDCM 6, PF 0.9, IP20, SVM 0.4, PstLM 1

Product data

General Information	
Cap-Base	G13 Rotatable end-cap
Nominal lifetime	75,000 hour(s)
Switching Cycle	200,000
Lighting Technology	LEDtube
Flux measurement reference	Sphere
Warranty period	5 years

Light Technical	
Color Code	865 [CCT of 6500K]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	2,500 lm
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	160 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	
Input Frequency	50 to 60 Hz
Power Consumption	15.6 W
Lamp Current (Nom)	73 mA
Starting Time (Nom)	1 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	220-240 V
LED alternative to fluorescent lamp power	36W TL-D
Inrush current at mains	6.53
Max. lamp no. on MCB B type 10A - Mains	113
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	113

LED tube Connected EM/Mains T8

Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	22
Max. lamp no. on MCB B type 16A - Mains	180
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	180
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	35
Ballast Compatibility	EM/Mains

Temperature

T-Case Maximum (Nom)	50 °C

Controls and Dimming

Dimmable	Wireless Dim
Connectivity	Interact Ready

Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	1,200 mm
Bulb Shape	T8
Net Weight (Piece)	0.250 kg

Approval and Application

Energy Efficiency Class	C
Energy Saving Product	Yes
Approval Marks	RoHS compliance CE marking KEMA Keur certificate ENEC certificate
Energy Consumption kWh/1000 h	16 kWh

EPREL Registration Number	2301308
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4
Ambient temperature range	-20 to +45 °C

Application Conditions

can it be used in closed luminaires	Yes
Wireless Technology	Not applicable

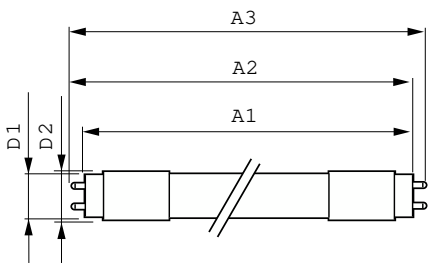
Sustainability Data

Product non-virgin material ratio	8.41 %

Product Data

Order product name	LEDtube Connected IA 1200mm 15.6W865 T8
Full product name	LEDtube Connected IA 1200mm 15.6W865 T8
Full product code	872110306315100
Order code	929004270802
Material Nr. (12NC)	929004270802
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8721103063151
Numerator - Packs per outer box	10
EAN/UPC - Case	8721103063168

Dimensional drawing

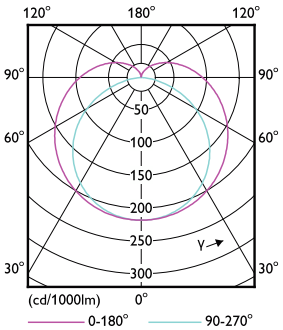


D1	D2	A1	A2	A3
25.7mm	28mm	1199.4mm	1206.5mm	1213.6mm

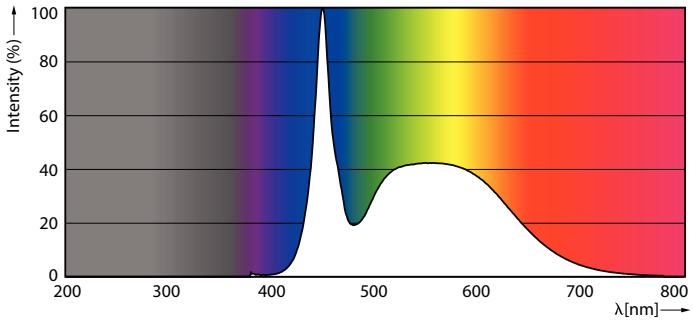
Product	D1	D2	A1	A2	A3
LEDtube Connected IA 1200mm 15.6W865 T8	25.7 mm	28 mm	1,199.4 mm	1,206.5 mm	1,213.6 mm

LED tube Connected EM/Mains T8

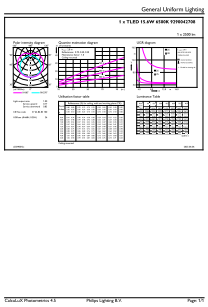
Photometric data



Light Distribution Diagram - LEDtube Connected IA 1200mm 15.6W865 T8

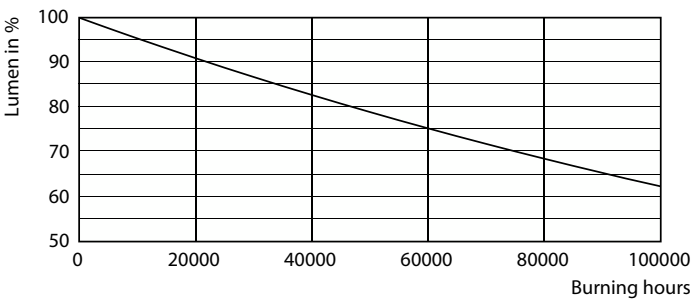


Spectral Power Distribution Colour - LEDtube Connected IA 1200mm 15.6W865 T8

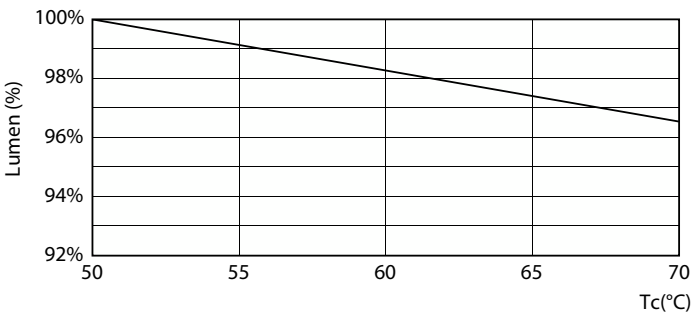


General uniform lighting - LEDtube Connected IA 1200mm 15.6W865 T8

Lifetime



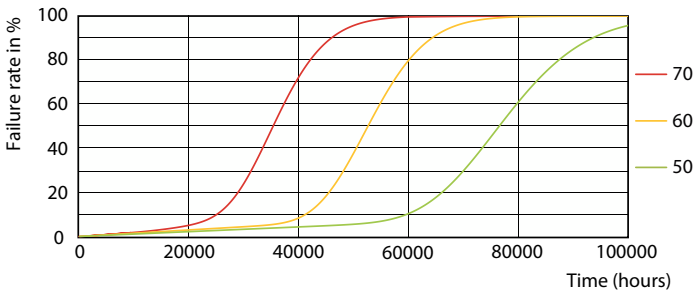
Lumen Maintenance Diagram - LEDtube Connected IA 1200mm 15.6W865 T8



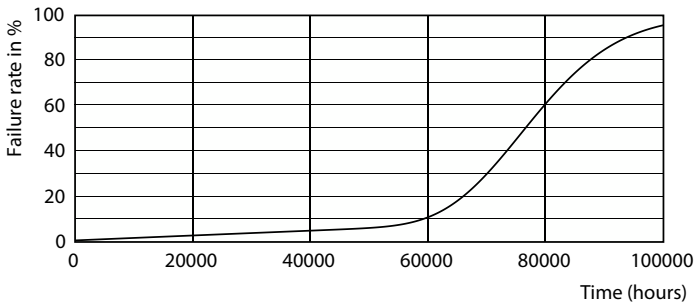
Lumen Maintenance Diagram - LEDtube Connected IA 1200mm 15.6W865 T8

LED tube Connected EM/Mains T8

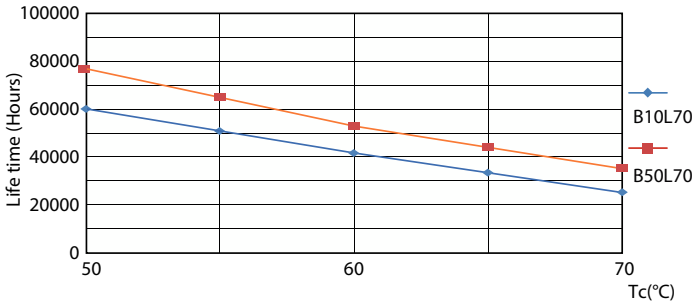
Lifetime



LEDtube-75K-5070-FailureRate-LED



Life Expectancy Diagram



LifetimeVsTc

© 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.