PHILIPS

Lighting

Other LEDtube

F A↑G

LED 3.5W 500mm S14D WW ND 1CT/4

Philips LEDtube integrates a LED light source into a traditional fluorescent form factor. This product is the ideal solution for uplamping in general lighting applications: it meets basic lighting requirements, offers significant energy savings, and is environmentally friendly.

Product data

General Information	
Cap-Base	S14d
Nominal lifetime	30,000 hour(s)
Switching Cycle	50,000
Rated Lifetime (Hours)	30,000 hour(s)
Lighting Technology	LED
Flux measurement reference	Sphere

Light Technical	
Color Code	827 [CCT of 2700K]
Color Code	827 [CCT of 2700K]
Beam Angle (Nom)	140 degree(s)
Luminous Flux	375 lm
Color Designation	Warm White (WW)
Correlated Color Temperature (Nom)	2700 K
Luminous Efficacy (rated) (Nom)	107.00 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	3.5 W
Lamp Current (Nom)	32 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.4
Voltage (Nom)	220-240 V
Ballast Compatibility	Mains
Inrush current at mains	2.5
Max. lamp no. on MCB B type 10A - Mains	159
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	220
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	30
Max. lamp no. on MCB B type 16A - Mains	306
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	330
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	49

Temperature	
T-Case Maximum (Nom)	30 °C

Other LEDtube

Controls and Dimming	
Dimmable	No

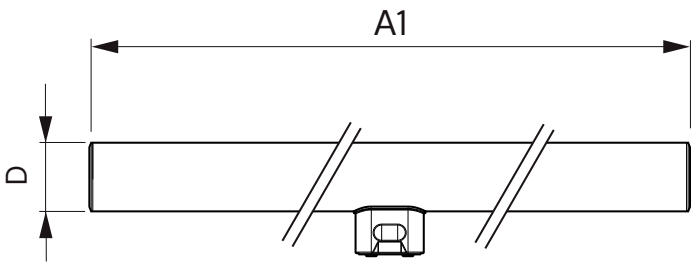
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	500 mm
Bulb Shape	Others
Net Weight (Piece)	0.140 kg

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	4 kWh
EPREL Registration Number	387348
EU RoHS compliant	Yes
EyeComfort	Yes
LED Innovations	EyeComfort

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

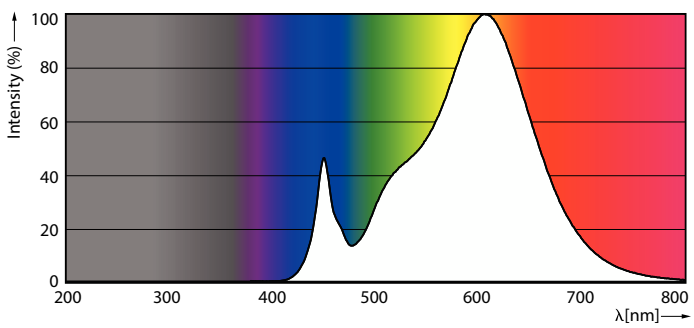
Product Data	
Order product name	LED 3.5W 500mm S14D WW ND 1CT/4
Full product name	LED 3.5W 500mm S14D WW ND 1CT/4
Full product code	871951426364200
Order code	929002444101
Material Nr. (12NC)	929002444101
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514263642
Numerator - Packs per outer box	4
EAN/UPC - Case	8719514263659

Dimensional drawing

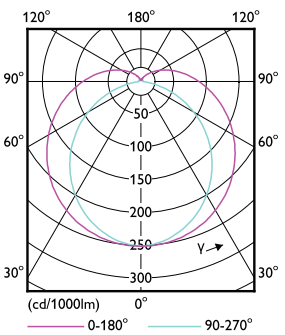


Product	D1	D2	A1	A2	A3
LED 3.5W 500mm S14D WW ND 1CT/4	30 mm	30 mm	266.8 mm		299 mm

Photometric data



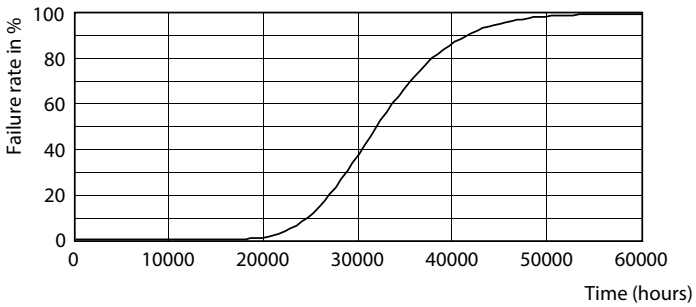
Spectral Power Distribution Colour - LED 3.5W 500mm S14D WW ND 1CT/4



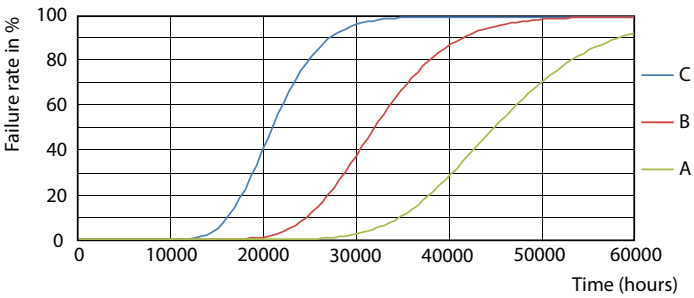
Light Distribution Diagram - LED 3.5W 500mm S14D WW ND 1CT/4

Other LEDtube

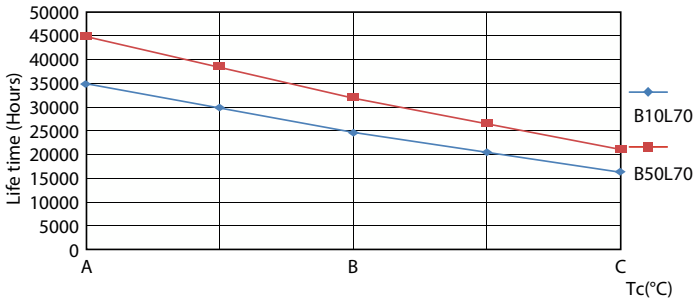
Lifetime



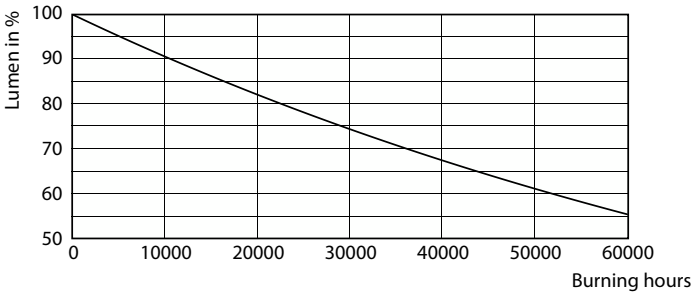
Life Expectancy Diagram



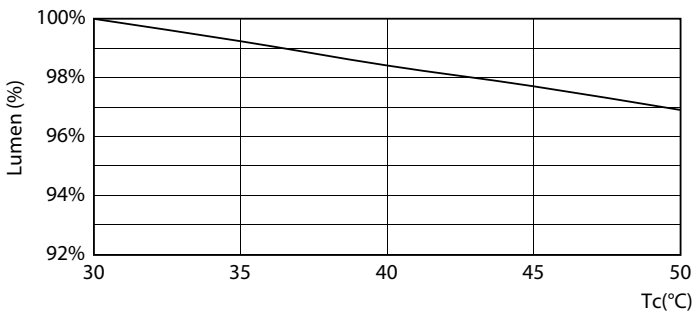
LEDtube 30K FailureRate



LEDtube 30K LifetimeVsTc



Lumen Maintenance Diagram - LED 3.5W 500mm S14D WW ND 1CT/4



Lumen Maintenance Diagram - LED 3.5W 500mm S14D WW ND 1CT/4

Other LEDtube

© 2025 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.

www.lighting.philips.com
2025, March 17 - data subject to change