Other LEDtube

LED 2.2W 300mm S14S 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	S14s
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

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Color Code	827 [CCT of 2700K]
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Beam Angle (Nom)	140 degree(s)
Luminous Flux	250 lm
Luminous Efficacy (rated) (Nom)	113.00 lm/W
Color Designation	Warm White (WW)
Correlated Color Temperature (Nom)	2700 K
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Flickering value (PstLM) – Flickering value as per EN 61000-3-3	0.1
Stroboscopic effect visibility measure (SVM)	0.1

Photobiological safety according to EN 62471	RG0

Operating and Electrical

Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	2.2 W
Lamp Current (Nom)	22 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
Inrush current at mains	1.5
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

Other LEDtube

Ballast Compatibility	Mains

Temperature

Ambient temperature range	–20 °C to 45 °C
T–Case Maximum (Nom)	30 °C

Controls and Dimming

Dimmable	No

Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	300 mm
Bulb Shape	Others

Approval and Application

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Energy Efficiency Class	E
Energy Saving Product	Yes
Approval Marks	RoHS compliance CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	3 kWh

EPREL Registration Number	387349
EU RoHS compliant	Yes
EyeComfort	Yes
LED Innovations	EyeComfort

Product Data

Order product name	LED 2.2W 300mm S14S WW ND 1CT/4
Full product name	LED 2.2W 300mm S14S WW ND 1CT/4
Full product code	871951426356700
Order code	929002444201
Material Nr. (12NC)	929002444201
Numerator – Quantity Per Pack	1
Net Weight (Piece)	0.100 kg
EAN/UPC – Product/Case	8719514263567
Numerator – Packs per outer box	4
EAN/UPC – Case	8719514263574

Dimensional drawing
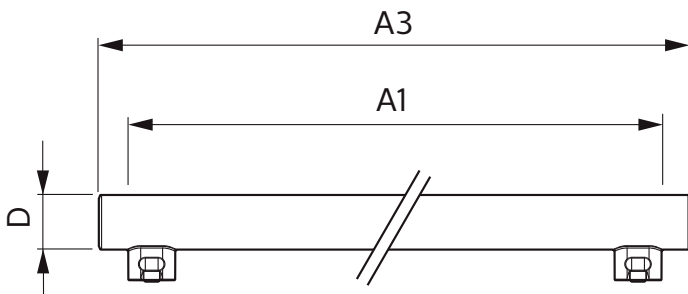
Product	D1	D2	A1	A2	A3
LED 2.2W 300mm S14S WW ND 1CT/4	30 mm	30 mm	266.8 mm		299 mm

Photometric data
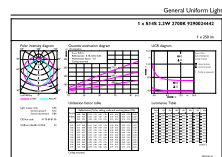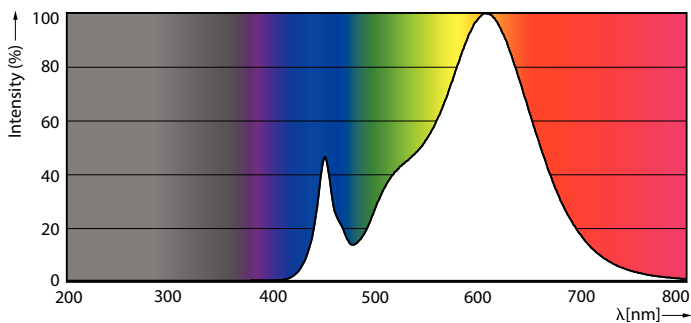
Spectral Power Distribution Colour – LED 2.2W 300mm S14S WW ND 1CT/4

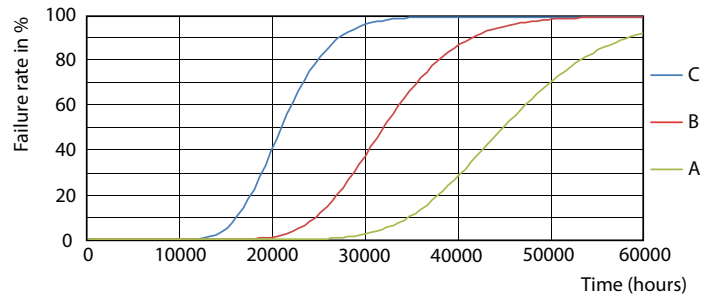General uniform lighting – LED 2.2W 300mm S14S WW ND 1CT/4
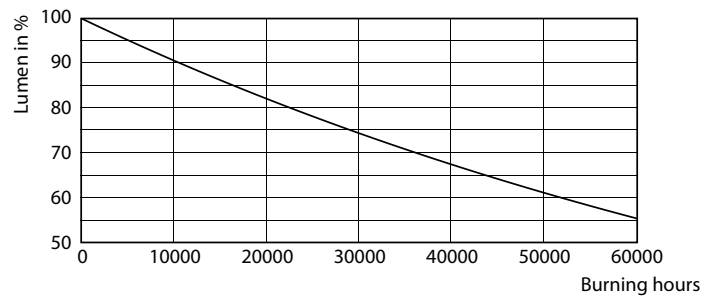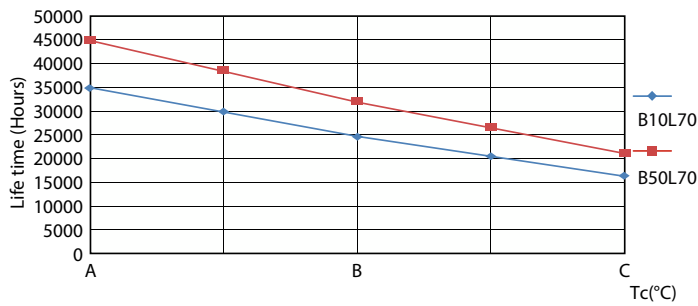
Photometric data
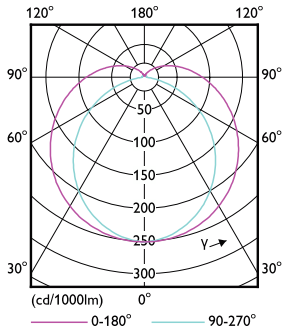
Light Distribution Diagram – LED 2.2W 300mm S14S WW ND 1CT/4

Lifetime
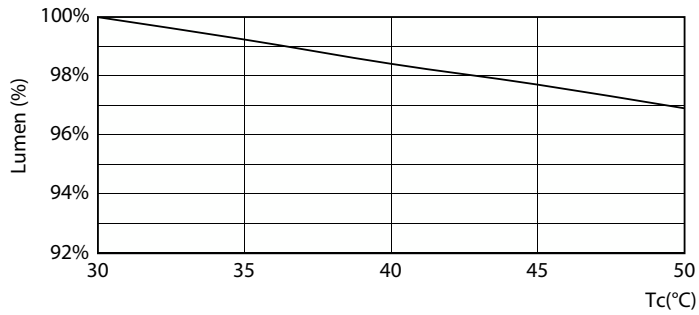

Life Expectancy Diagram

LEDtube 30K FailureRate

LEDtube 30K LifetimeVsTc

Lumen Maintenance Diagram – LED 2.2W 300mm S14S WW ND 1CT/4

Lifetime

Lumen Maintenance Diagram – LED 2.2W 300mm S14S WW ND 1CT/4

www.lighting.philips.com

2024, July 25 – data subject to change