



# Other LED tube



## LED 2.2W 300mm S14S WW ND 1CT/4

LEDtube, Others, Mains, 300 mm, 2.2 W, 35W, 2700 K, 250 lm, CRI 80, 30000 hour(s)

Philips LEDtube integrates a LED light source into a traditional fluorescent form factor. This product is the ideal solution for uplampping 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	LEDtube
Flux measurement reference	Sphere
Warranty period	2 years
Light Technical	
Color Code	827 [CCT of 2700K]
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Beam Angle (Nom)	140 degree(s)
Luminous Flux	250 lm
Color Designation	Warm White (WW)
Correlated Color Temperature (Nom)	2700 K
Luminous Efficacy (rated) (Nom)	113 lm/W
Color Consistency	<6
Color rendering index (CRI)	80

LLMF At End Of Nominal Lifetime (Nom)	70 %
Photobiological safety according to EN 62471	RGO
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
LED alternative to fluorescent lamp power	35W
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

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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
Ballast Compatibility	Mains

### Temperature

T-Case Maximum (Nom)	30 °C
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### Controls and Dimming

Dimmable	No
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### Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	300 mm
Overall length	300 mm
Overall width	30 mm
Overall height	300 mm
Dimensions (Height x Width x Depth)	300 x 30 x 300 mm
Bulb Shape	Others
Net Weight (Piece)	0.100 kg

### Approval and Application

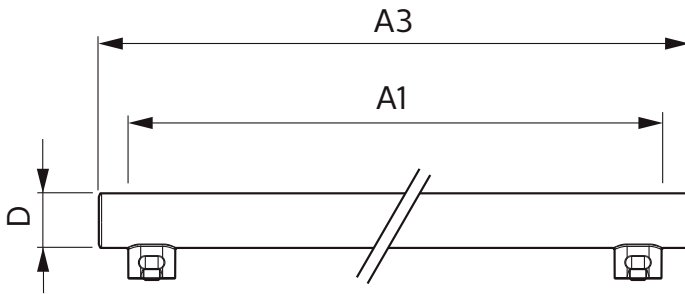
Energy Efficiency Class	E
Energy Saving Product	Yes

Approval Marks	RoHS compliance CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	3 kWh
EPREL Registration Number	387349
CE mark	Yes
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 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
EAN/UPC - Product/Case	8719514263567
Numerator - Packs per outer box	4
EAN/UPC - Case	8719514263574

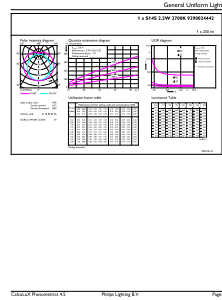
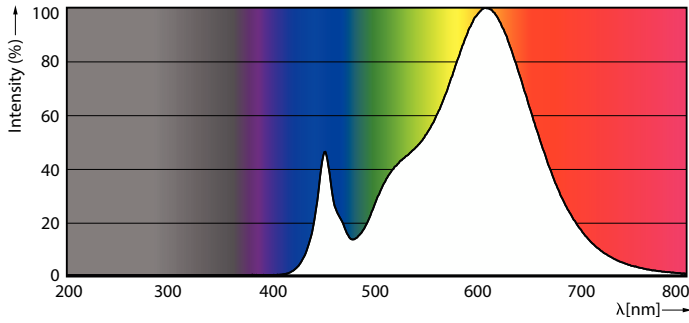
## Dimensional drawing



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

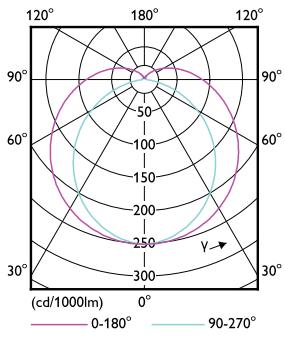
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## Photometric data



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

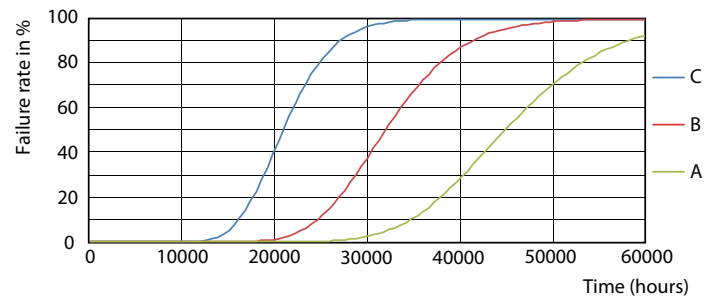


Light Distribution Diagram - LED 2.2W 300mm S14S WW ND 1CT/4

## Lifetime



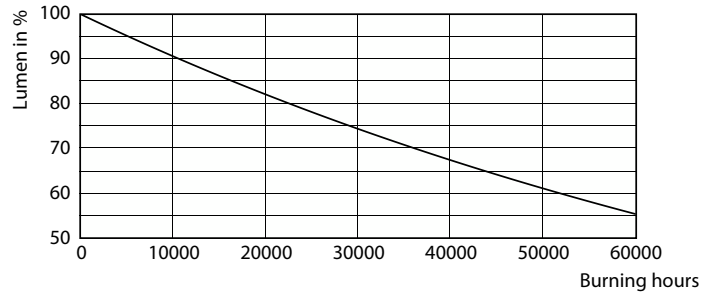
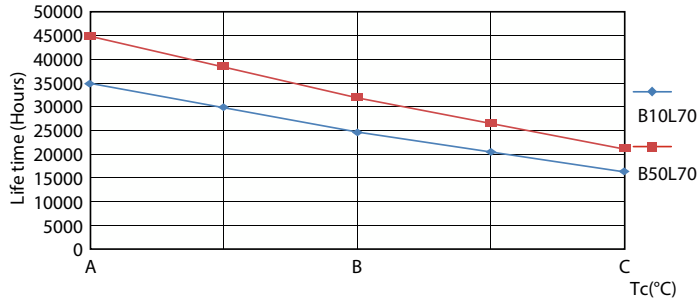
Life Expectancy Diagram



LEDtube 30K FailureRate

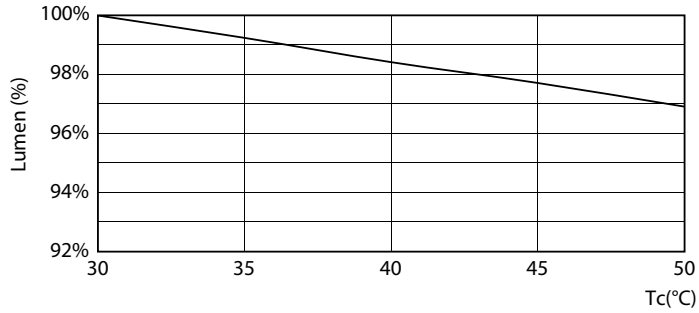
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## Lifetime



LEDtube 30K LifetimeVsTc

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



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