



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	
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)	113.00 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	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
Ballast Compatibility	Mains
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
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
Bulb Shape	Others
Net Weight (Piece)	0.100 kg

Approval and Application

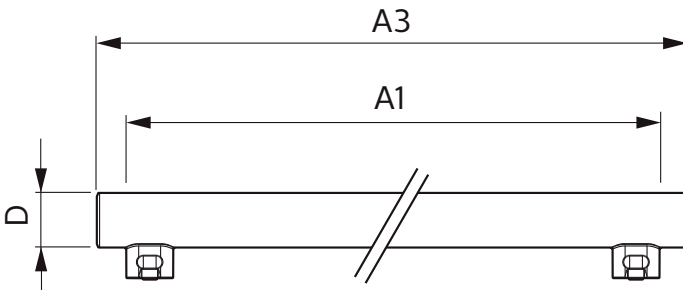
Energy Efficiency Class	E
Energy Saving Product	Yes
Approval Marks	RoHS compliance CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	3 kWh
EPREL Registration Number	387349
CE mark	Yes
EU RoHS compliant	Yes
EyeComfort	Yes

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

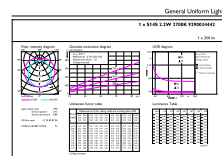
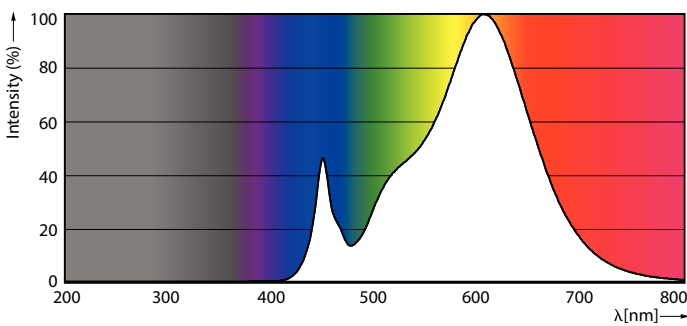
Order product name	LED 2.2W 300mm S14S WW ND 1CT/4
Full product name	LED 2.2W 300mm S14S WW ND 1CT/4
Full product code	871951426356700
Order code	929002444201
Material Nr. (12NC)	929002444201
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514263567
Numerator - Packs per outer box	4
EAN/UPC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

Photometric data



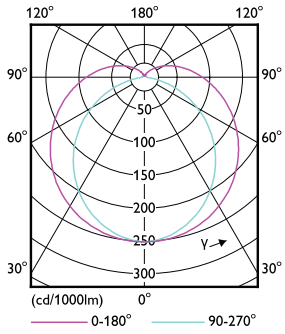
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Spectral Power Distribution Colour - LED 2.2W 300mm S14S WW ND 1CT/4

General uniform lighting - LED 2.2W 300mm S14S WW ND 1CT/4

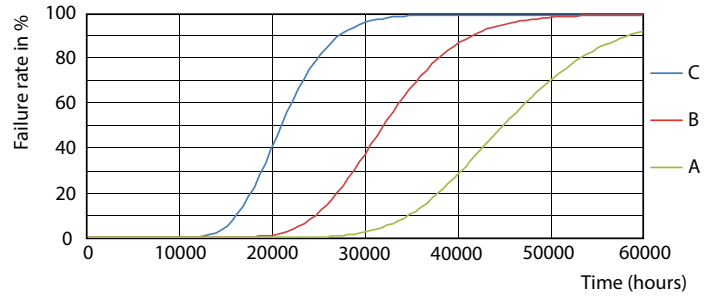
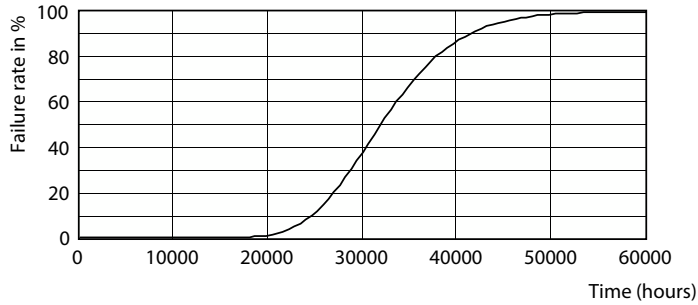
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Photometric data



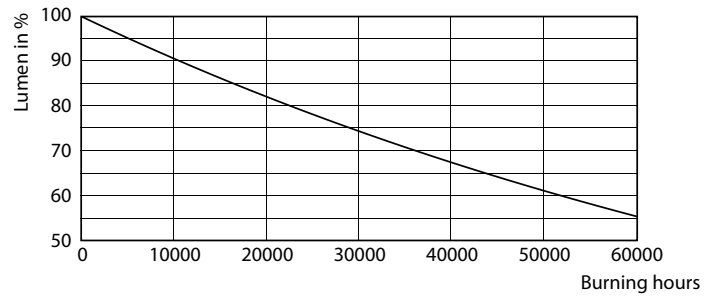
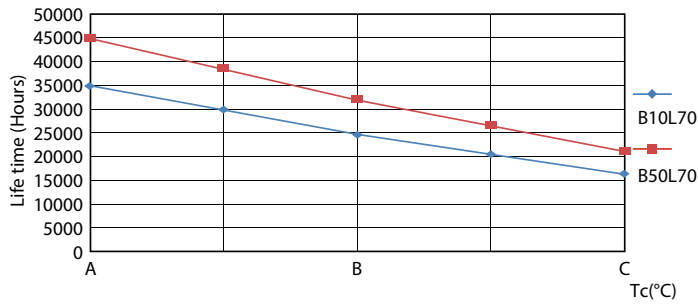
Light Distribution Diagram - LED 2.2W 300mm S14S WW ND 1CT/4

Lifetime



Life Expectancy Diagram

LEDtube 30K FailureRate

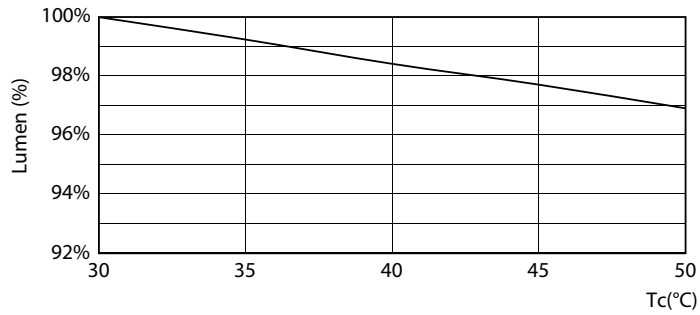


LEDtube 30K LifetimeVsTc

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

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Lifetime



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

