PHILIPS

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

929002444201



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



LEDtube, Others, Mains, 300 mm, 2.2 W, LED alternative to 35W, 2700 K, 250 lm, CRI 80, 30000 hour(s), 113 lm/W, EEL E, S14s, Beam angle 140 degree(s), Plastic, 300 mm, RG0, SDCM 6, PF 0.4, IP20, SVM 0.1, PstLM 0.1

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	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
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
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

Controls and Dimming

Dimmable	No

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
Energy Consumption kWh/1000 h	3 kWh
EPREL Registration Number	387349
CE mark	Yes
EU RoHS compliant	Yes
Warranty	2 year(s)
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

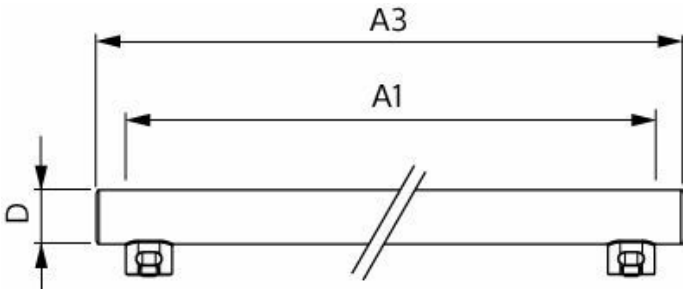
Application Conditions

Wireless Technology	Not applicable

Product Data

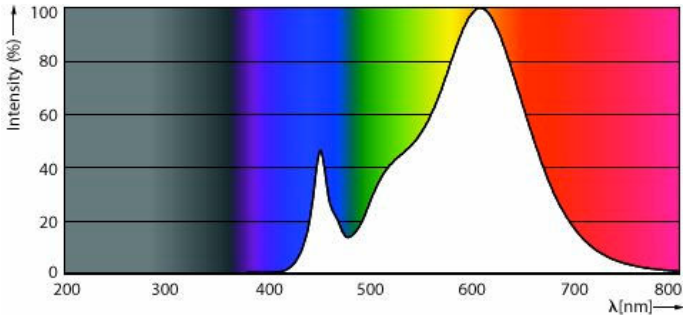
Order product name	LED 2.2W 300mm S14S WW ND 1CT/4
Full product name	LED 2.2W 300mm S14S WW ND 1CT/4
Full product code	871951426356700
Order code	929002444201
Material Nr. (12NC)	929002444201
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514263567
Numerator - Packs per outer box	4
EAN/UPC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

Dimensional drawing

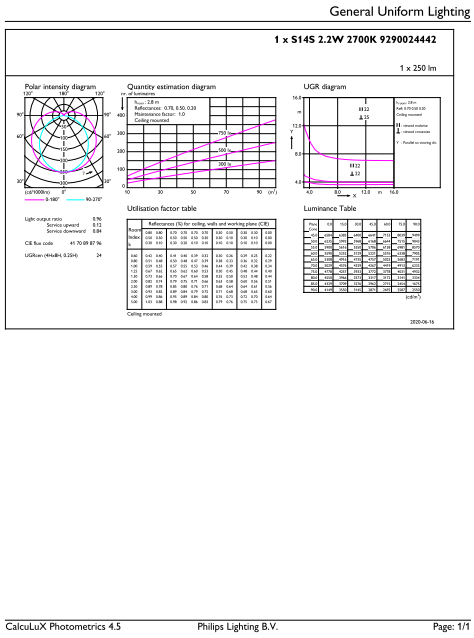


Product	D1	D2	A1	A2	A3
LED 2.2W 300mm S14S WW ND 1CT/4	30 mm	30 mm	266.8 mm	-	299 mm

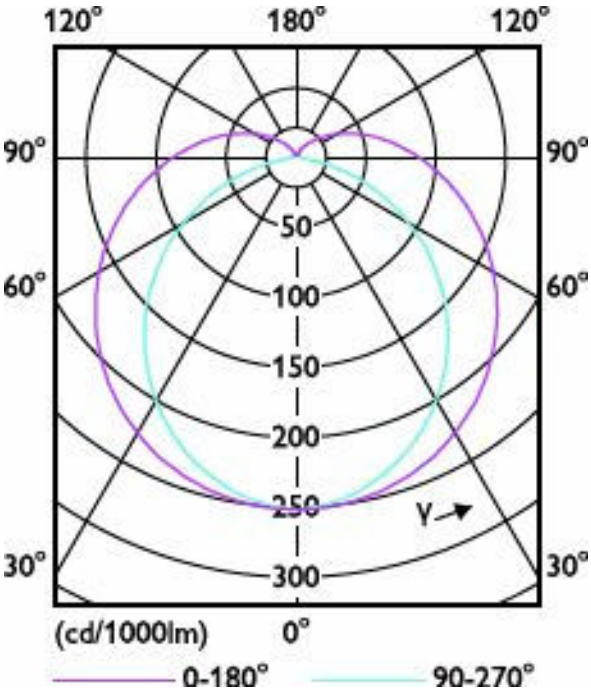
Photometric data



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

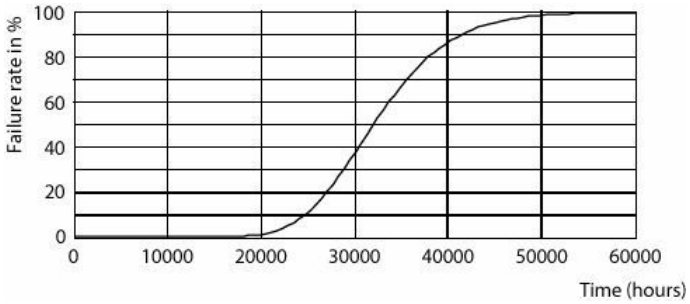


General uniform lighting - LED 2.2W 300mm S14S WW ND 1CT/4

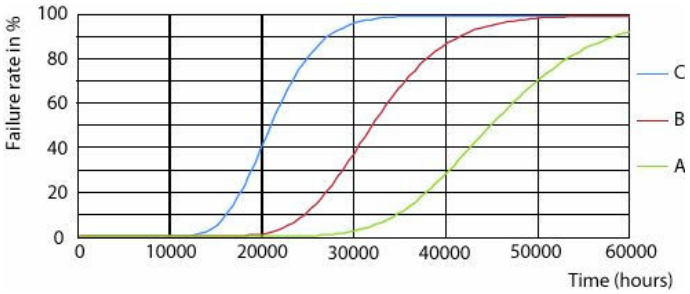


Light Distribution Diagram - LED 2.2W 300mm S14S WW ND 1CT/4

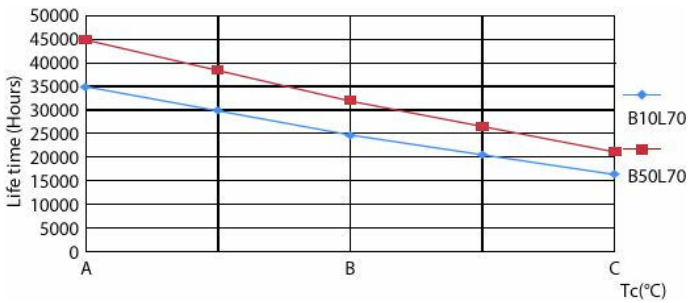
Lifetime



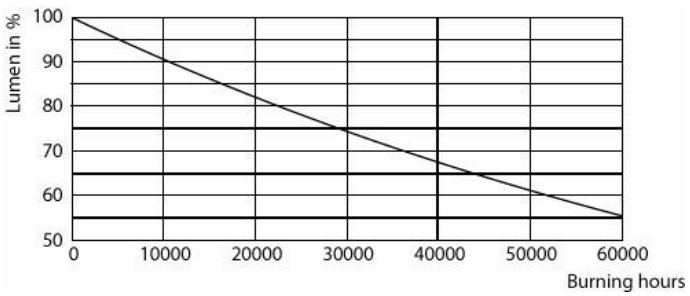
Life Expectancy Diagram



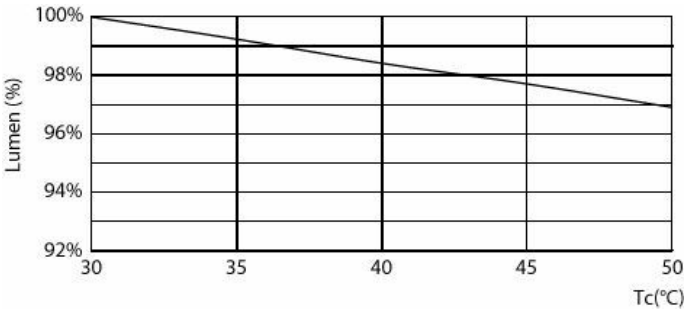
LEDtube 30K FailureRate



LEDtube 30K LifetimeVsTc



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



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

Related Documents

Documents and certificates	Document Name	Download
Environmental Product Declaration	Philips-Other-LEDtube-COMF-32624-Ref-929002444301-EPD.pdf	Download

Photometry and lighting design	Document Name	Download
IES File	LEDtube_2,2W_S14S_250lm_827-IES.IES	Download

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