



# Other LEDtube

LED 4.5W 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 [ S14d]
Nominal Lifetime (Nom)	15000 h
Switching Cycle B50L70	50000X 15000

### • Light Technical

Color Code	827 [ CCT of 2700K]
Beam Angle (Nom)	140 °
Luminous Flux (Nom)	375 lm
Luminous Flux (Rated) (Nom)	375 lm
Color Designation	Warm White (WW)
Rated Beam Angle	140 °
Correlated Color Temperature (Nom)	2700 K
Luminous Efficacy (rated) (Nom)	83.33 lm/W
Color Consistency	<6
Color Rendering Index (Nom)	83
LLMF At End Of Nominal Lifetime (Nom)	70 %

### • Operating and Electrical

Input Frequency	50 to 60 Hz
Power (Rated) (Nom)	4.5 W
Lamp Current (Nom)	44 mA
Wattage Equivalent	60 W
Starting Time (Nom)	0.5 s

Warm Up Time To 60% Light (Nom)	0.5 s
Power Factor (Nom)	0.4
Voltage (Nom)	220-240 V

### • Temperature

T-Ambient (Max)	45 °C
T-Ambient (Min)	-20 °C
T-Storage (Max)	65 °C
T-Storage (Min)	-40 °C

### • Controls and Dimming

Dimmable	No
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### • Mechanical and Housing

Bulb Finish	Frosted
Product Length	500 mm

### • Approval and Application

Energy Saving Product	Yes
Suitable For Accent Lighting	No
Energy Efficiency Label (EEL)	A+
Approval Marks	CE marking RoHS compliance KEMA Keur certificate
Energy Consumption kWh/1000 h	5 kWh

**PHILIPS**

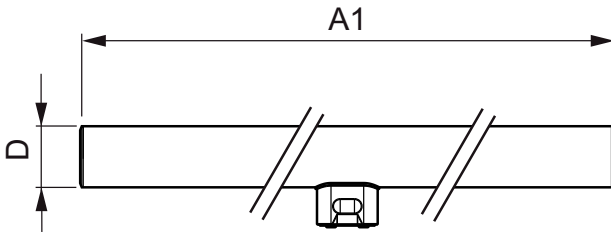
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### • Product Data

Full product code 871869658607500  
Order product name LED 4.5W 500mm S14D WW ND  
1CT/4  
Order code 929001249401  
Numerator - Quantity Per Pack 1

Numerator - Packs per outer box 4  
Material Nr. (12NC) 929001249401  
Net Weight (Piece) 0.140 kg

### Dimensional drawing



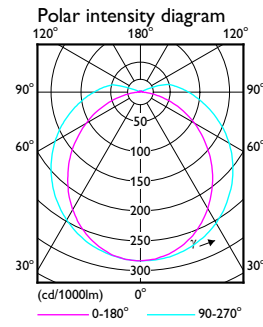
### TLED 4.5W-60W 375lm 160D 2700K S14D ND

Product	D	A1
LED 4.5W 500mm S14D WW ND 1CT/4	30 mm	500 mm

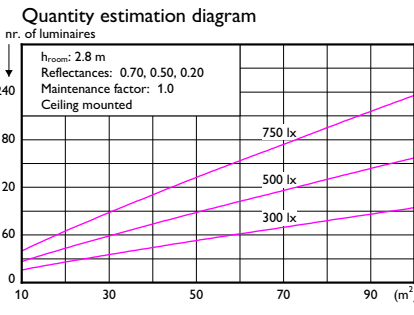
General Uniform Lighting

1 x PhiLEDinear 4.5W 2700K 140D

1 x 377 lm



Light output ratio 1.00  
 Service upward 0.07  
 Service downward 0.93  
 CIE flux code 41 70 89 93 100



Utilisation factor table

Room Index k	Reflectances (%) for ceiling, walls and working plane (CIE)											
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00	0.00
0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.30	0.10	0.30	0.10	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00
0.60	0.44	0.42	0.43	0.42	0.41	0.34	0.33	0.28	0.32	0.27	0.25	
0.80	0.54	0.51	0.53	0.51	0.50	0.42	0.41	0.35	0.39	0.35	0.32	
1.00	0.63	0.58	0.61	0.59	0.57	0.49	0.47	0.42	0.46	0.41	0.38	
1.25	0.71	0.65	0.68	0.66	0.63	0.56	0.54	0.49	0.52	0.48	0.44	
1.50	0.77	0.70	0.75	0.71	0.68	0.61	0.59	0.54	0.57	0.53	0.49	
2.00	0.87	0.77	0.84	0.80	0.76	0.70	0.67	0.63	0.65	0.61	0.57	
2.50	0.93	0.82	0.90	0.85	0.81	0.75	0.73	0.68	0.70	0.66	0.62	
3.00	0.98	0.86	0.94	0.89	0.84	0.79	0.76	0.73	0.74	0.71	0.66	
4.00	1.05	0.90	1.00	0.94	0.89	0.84	0.81	0.78	0.79	0.76	0.72	
5.00	1.09	0.93	1.04	0.97	0.91	0.88	0.85	0.82	0.82	0.79	0.75	

Ceiling mounted

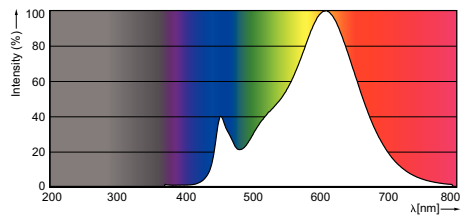
Luminance Table

Plane	0.0	15.0	30.0	45.0	60.0	75.0	90.0	
Plane	45.0	3588	3744	4011	4519	5224	6136	7421
Plane	50.0	3196	3377	3672	4232	5017	6044	7594
Plane	55.0	2819	3027	3351	3967	4843	5995	7773
Plane	60.0	2448	2684	3036	3702	4664	5956	8075
Plane	65.0	2036	2335	2751	3472	4533	5977	8526
Plane	70.0	1628	1992	2475	3248	4415	6036	9187
Plane	75.0	1175	1629	2204	3017	4285	6170	10353
Plane	80.0	745	1283	1942	2818	4240	6508	12648
Plane	85.0	353	957	1684	2640	4273	7197	18455
Plane	90.0	141	756	1499	2545	4479	8695	26613

(cd/m²)

2016-04-07

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2016, October 11  
data subject to change