

DULUX[®] S

OFFERS CREATIVE FREEDOM AND HIGH QUALITY
OF LIGHT



DULUX[®] S

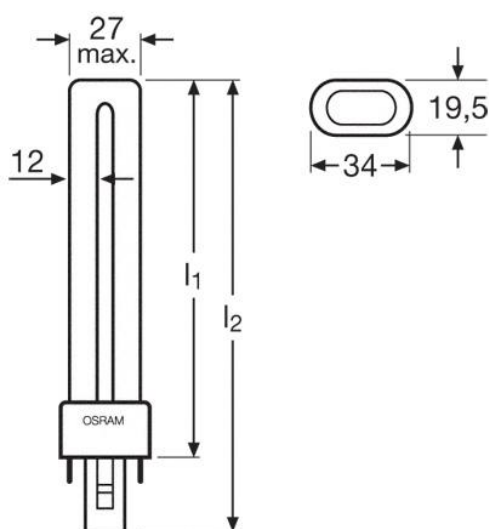
Benefits

- Extremely economical
- Good quality of light
- Ideal for cost-effective creative illumination and decoration
- Long service life time¹

Product Features

- Average life time: up to 10,000h
- Extremely flat dimensions
- Good lumen maintenance
- Available light colors: Cool Daylight (865), Cool White (840), White (835), Warm White (830), Extra Warm White (827)
- Also available as red/green/blue

Dimensions



Description	Base	Max Length L1 [mm]	Max Length L1 IEC [mm]	Max Length L2 [mm]
DULUX® S 5 W	G23	85	85	108
DULUX® S 7 W	G23	114	115	137
DULUX® S 9 W	G23	144	145	167
DULUX® S 11 W	G23	214	215	237

¹ Service life time is the mathematical life time (maintenance multiplied with the % of failed lamps e.g. B10) for lamps in an installation after which the installation luminous flux (100 h value) decreased by 30% (decrease in luminous flux and failed lamps) for indoor lighting

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LP LPD MK

Electrical Data²

Lamps operated with **50Hz** reference ballast at 25 °C (100 h aged) ambient temperature

DULUX® S	Lamp Voltage rated [V]	Lamp Current rated [mA]	Lamp Power rated [W]	Compensation parallel Capacitor CCG ³ mode ⁴ [µF]
5 W	35	180	5.4	2.2
7 W	47	175	7.1	2.1
9 W	60	170	8.7	2.0
11 W	91	155	11.8	1.7

Photometrical Data at 25 °C (100 h aged) ambient temperature⁵

DULUX® S	Light Color LUMILUX®	Color Rendering Index (CRI), Ra	Lumiance (LC ⁶ 840) [cd/cm ²]	Target Color Coordinate X	Target Color Coordinate Y	Nominal Luminous Flux [lm]	Efficacy 25 °C [lm/W]
5 W	827 INTERNA	80 ... 89	2.5	0.455	0.415	250	48
5 W	840 Cool White	80 ... 89	2.5	0.380	0.380	250	48
7 W	827 INTERNA	80 ... 89	2.6	0.455	0.415	400	57
7 W	830 Warm White	80 ... 89	2.6	0.440	0.403	400	57
7 W	835 White	80 ... 89	2.6	0.440	0.394	400	57
7 W	840 Cool White	80 ... 89	2.6	0.380	0.380	400	57
9 W	827 INTERNA	80 ... 89	2.8	0.455	0.415	600	67
9 W	830 Warm White	80 ... 89	2.8	0.440	0.403	600	67
9 W	835 White	80 ... 89	2.8	0.440	0.394	600	67
9 W	840 Cool White	80 ... 89	2.8	0.380	0.380	600	67
9 W	865 Cool Daylight	80 ... 89	2.8	0.313	0.337	570	67
11 W	827 INTERNA	80 ... 89	2.7	0.455	0.415	900	76
11 W	830 Warm White	80 ... 89	2.7	0.440	0.403	900	76
11 W	835 White	80 ... 89	2.7	0.440	0.394	900	76
11 W	840 Cool White	80 ... 89	2.7	0.380	0.380	900	76
colored							
9 W	60 Red	-	5.5	-	-	400	-
9 W	66 Green	-	5.5	-	-	800	-
9 W	67 Blue	-	5.5	-	-	200	-

² According to IEC 60921

³ Conventional Control Gear

⁴ For cos phi = 0.95; Dielectric strength of the capacitor 250V AC; capacitive tolerance +/- 10%

⁵ Measurement in accordance with IEC 60901, annex C and the relevant annex on rated colour characteristics in IEC 60081.

⁶ Light Color

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Lifetime⁷

	CCG ⁸ IEC switching cycle ⁹
B50¹⁰	10,000 h
Service life time¹¹	6,500 h
LLMF¹² 2.000 h	0.99
LLMF 4.000 h	0.99
LLMF 6.000 h	0.97
LLMF 8.000 h	0.85
LSF¹³ 2.000 h	0.85
LSF 4.000 h	0.78
LSF 6.000 h	0.76
LSF 8.000 h	0.76

⁷ Measurement in accordance with IEC 60901

⁸ Conventional Control Gear

⁹ Switching cycle 165 min. on, 15 min. off (according to IEC)

¹⁰ Average rated lamp life (B50) is the average value of the life time for an entity of lamps operated under standardized conditions until 50% failure. In other words, this is the operation time at which, for a standardized 3- hour switching cycle (165 minutes on / 15 minutes off (according to IEC)), 50% of a sample population of lamps have failed.

¹¹ Service life time is the mathematical life time (maintenance multiplied with the % of failed lamps e.g. B10) for lamps in an installation after which the installation luminous flux (100 h value) decreased by 30% (decrease in luminous flux and failed lamps) for indoor lighting

¹² Lamp Lumen Maintenance Factor (Lamp luminous flux in %): Ratio of the luminous flux of a specific quantity of lamps at a defined number of hours of operation to their luminous flux at 100 h

¹³ Lamp Survival Factor (Lamp Survival in %): Ratio of the number of electrically intact lamps to the total number of lamps
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Energy labelling¹⁴

Description	Energy efficiency class	Weighted energy consumption E _c [kWh/1000h]
DULUX® S 5W/827	B	8
DULUX® S 5W/840	B	8
DULUX® S 7W/827	B	10
DULUX® S 7W/830	B	10
DULUX® S 7W/835	B	10
DULUX® S 7W/840	B	10
DULUX® S 9W/827	A	12
DULUX® S 9W/830	A	12
DULUX® S 9W/835	A	12
DULUX® S 9W/840	A	12
DULUX® S 9W/865	A	12
DULUX® S 11W/827	A	15
DULUX® S 11W/830	A	15
DULUX® S 11W/835	A	15
DULUX® S 11W/840	A	15
Colored		
DULUX® S 9W/60	B	12
DULUX® S 9W/66	A	11
DULUX® S 9W/67	B	12

¹⁴ According to Regulation (EU) No 874/2012 of July 12, 2012
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Logistic Data

Description	EAN 10	EAN 40	Packaging Unit
DULUX® S 5W/827	4050300006130	4050300315065	10
DULUX® S 5W/840	4050300010564	4050300240862	10
DULUX® S 7W/827	4050300005997	4008321908766	10
DULUX® S 7W/830	4050300025735	4050300257990	10
DULUX® S 7W/835	4050300451039	4050300451046	10
DULUX® S 7W/840	4050300010571	4050300240886	10
DULUX® S 9W/827	4050300006000	4008321908773	10
DULUX® S 9W/830	4050300025742	4050300258003	10
DULUX® S 9W/835	4050300451053	4050300451060	10
DULUX® S 9W/840	4050300010588	4050300240947	10
DULUX® S 9W/865	4050300355320	4050300355337	10
DULUX® S 11W/827	4050300006017	4008321908780	10
DULUX® S 11W/830	4050300025759	4050300258010	10
DULUX® S 11W/835	4050300451077	4050300451084	10
DULUX® S 11W/840	4050300010618	4050300239507	10
Colored			
DULUX® S 9W/60	4050300015927	4050300248202	10
DULUX® S 9W/66	4050300015934	4050300248219	10
DULUX® S 9W/67	4050300015941	4050300248226	10

In case of lamp breakage: www.osram.com/brokenlamp

For more information technical Information see Technical guide. Free download at www.osram.com