

DULUX® S

OFFERS CREATIVE FREEDOM AND HIGH QUALITY
OF LIGHT



DULUX® S

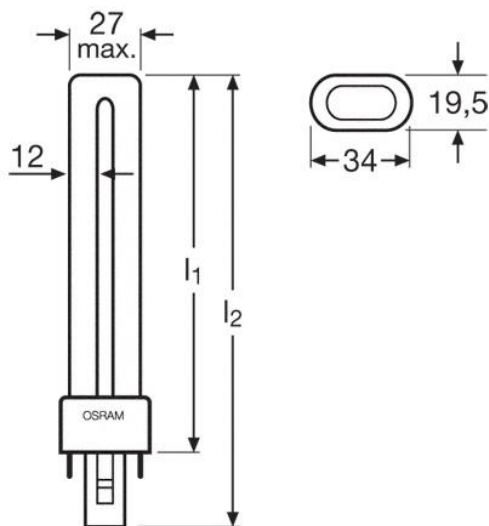
Benefits

- 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

Edition 08.2013. Subject to change without notice. Errors and omissions excepted. Always make sure to use the most recent release.

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	Luminance (LC ⁶ 840) [cd/cm²]	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

Edition 08.2013. Subject to change without notice. Errors and omissions excepted. Always make sure to use the most recent release.

LP LPD MK

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 Edition 08.2013. Subject to change without notice. Errors and omissions excepted. Always make sure to use the most recent release.

LP LPD MK

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

Edition 08.2013. Subject to change without notice. Errors and omissions excepted. Always make sure to use the most recent release.

LP LPD MK

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