

DULUX® S/E

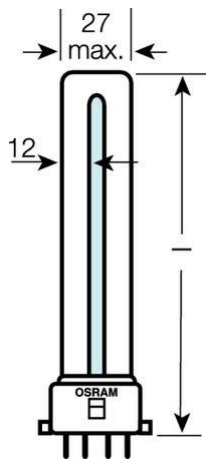
Benefits

- Extremely economical
- Outstanding quality of light
- Low power consumptions (7W, 9W, 11W)
- Long service life time¹
- Environmental friendly

Product Features

- Improved average lamp life: up to 20.000 h (with QUICKTRONIC®)
- Extremely flat dimensions
- Improved lumen maintenance
- Dimmable from 3...100%
- For operation on electronic control gear (ECG)
- Available light colors: Cool White (840), Warm White (830), Extra Warm White (827)

Dimensions



Description	Base	Max Length L1 [mm]	Max Length L1 IEC [mm]
DULUX® S/E 7 W	2G7	114	115
DULUX® S/E 9 W	2G7	144	145
DULUX® S/E 11 W	2G7	214	215

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 with 30 % (decrease in luminous flux and failed lamps) for indoor lighting.

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LP LPD MK

Electrical Data²

Lamps operated with **HF**³ reference control gear at 25 °C (100 h aged) ambient temperature

DULUX® S/E	Lamp Voltage rated [V]	Lamp Current rated [mA]	Lamp Power rated [W]
7 W	37	175	6.5
9 W	48	170	8.0
11 W	75	150	11.0

Photometrical Data at 25 °C (100 h aged) ambient temperature⁴

DULUX® S/E	Light Color LUMILUX®	Color Rendering Index (CRI), Ra	Lumi-nance (LC ⁵ 840) [cd/cm²]	Target Color Coordinate X	Target Color Coordinate Y	Nominal Luminous Flux [lm]	Efficacy 25 °C [lm/W]
7 W	827 INTERNA	80 ... 89	2.6	0.455	0.415	400	62
7 W	830 Warm White	80 ... 89	2.6	0.440	0.403	400	62
7 W	840 Cool White	80 ... 89	2.6	0.380	0.380	400	62
9 W	827 INTERNA	80 ... 89	2.8	0.455	0.415	600	75
9 W	830 Warm White	80 ... 89	2.8	0.440	0.403	600	75
9 W	840 Cool White	80 ... 89	2.8	0.380	0.380	600	75
11 W	827 INTERNA	80 ... 89	2.7	0.455	0.415	900	82
11 W	830 Warm White	80 ... 89	2.7	0.440	0.403	900	82
11 W	840 Cool White	80 ... 89	2.7	0.380	0.380	900	82

² According to IEC 60901

³ High Frequency

⁴ Measurement in accordance with IEC 60901, annex C and the relevant annex on rated colour characteristics in IEC 60081.

⁵ Light Color

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Lifetime⁶

	ECG ⁷ preheated IEC switching cycle ⁸
B50⁹	20,000 h
Service life time¹⁰	13,000 h
LLMF¹¹ 2.000 h	0.89
LLMF 4.000 h	0.86
LLMF 6.000 h	0.84
LLMF 8.000 h	0.82
LLMF 12.000 h	0.79
LLMF 16.000 h	0.78
LLMF 20.000 h	0.76
LSF¹² 2.000 h	0.99
LSF 4.000 h	0.99
LSF 6.000 h	0.99
LSF 8.000 h	0.99
LSF 12.000 h	0.95
LSF 16.000 h	0.81
LSF 20.000 h	0.50

⁶ Measurement in accordance with IEC 60901

⁷ Electronic Control Gear

⁸ Switching cycle 165 min. on, 15 min. off (according to IEC)

⁹ 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.

¹⁰ 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

¹¹ 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

¹² 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 labelling¹³

Description	Energy efficiency class	Weighted energy consumption E _c [kWh/1000h]
DULUX® S/E 7W/827	A	8
DULUX® S/E 7W/830	A	8
DULUX® S/E 7W/840	A	8
DULUX® S/E 9W/827	A	10
DULUX® S/E 9W/830	A	10
DULUX® S/E 9W/840	A	10
DULUX® S/E 11W/827	A	13
DULUX® S/E 11W/830	A	13
DULUX® S/E 11W/840	A	13

Logistic Data

Description	EAN 10	EAN 40	Packaging Unit
DULUX® S/E 7W/827	4050300017648	4050300251233	10
DULUX® S/E 7W/830	4050300591988	4050300591995	10
DULUX® S/E 7W/840	4050300020167	4050300252971	10
DULUX® S/E 9W/827	4050300017655	4050300251264	10
DULUX® S/E 9W/830	4050300589398	4050300589404	10
DULUX® S/E 9W/840	4050300020174	4050300252988	10
DULUX® S/E 11W/827	4050300017662	4050300251295	10
DULUX® S/E 11W/830	4050300589374	4050300589381	10
DULUX® S/E 11W/840	4050300020181	4050300252995	10

¹³ According to Regulation (EU) No 874/2012 of July 12, 2012

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Lamp/ECG System Combination

Lamp	ECG	EAN 10 ECG	Luminous flux @25°C	System power	I _N	Power Factor ECG	System luminous efficacy	Length	Width	Height	Distance between holes	T _a
			[lm]	[W]	[A]	[λ]	[lm/W]	[mm]	[mm]	[mm]	[mm]	[°C]
DULUX® S/E 7 W	DT-S/E 5-11/220-240 L	4008321181473	400	9	0.07	0.60 c	44	89	40	45	30	-15...+50
	DT-S/E 5-11/220-240 S	4008321181459	400	9	0.07	0.60 c	44	75	55	34	67	-15...+50
	QT-ECO 1x4-16/220-240 L	4050300660370	400	9	0.06	0.60 c	44	150	22	22	140	-15...+50
	QT-ECO 1x4-16/220-240 S	4050300638584	400	9	0.06	0.60 c	44	80	40	22	72-75	-15...+50
	QT-ECO 2x5-11/220-240 S	4050300821504	800	15	0.11	0.60 c	53	80	40	22	72-75	-15...+50
	QT-T/E 1x14-17/220-240 HE	4008321327345	400	8	0.04	0.85 c	50	103	67	30	110	-15...+50
DULUX® S/E 9 W	DT-S/E 5-11/220-240 L	4008321181473	600	10.5	0.08	0.60 c	57	89	40	45	30	-15...+50
	DT-S/E 5-11/220-240 S	4008321181459	600	10.5	0.08	0.60 c	57	75	55	34	67	-15...+50
	QT-ECO 1x4-16/220-240 L	4050300660370	600	10	0.07	0.60 c	60	150	22	22	140	-15...+50
	QT-ECO 1x4-16/220-240 S	4050300638584	600	10	0.07	0.60 c	60	80	40	22	72-75	-15...+50
	QT-ECO 2x5-11/220-240 S	4050300821504	1100	18	0.13	0.60 c	61	80	40	22	72-75	-15...+50
	QTP-D/E 1x10-13	4008321181572	600	9.5	0.05	0.92 c	63	93	58	29	96	-20...+50
	QTP-D/E 2x10-13	4008321181596	1200	18	0.09	0.92 c	67	123	79	33	129.5	-20...+50
DULUX® S/E 11 W	DT-S/E 5-11/220-240 L	4008321181473	900	13.5	0.10	0.60 c	67	89	40	45	30	-15...+50
	DT-S/E 5-11/220-240 S	4008321181459	900	13.5	0.10	0.60 c	67	75	55	34	67	-15...+50
	QT-ECO 1x4-16/220-240 L	4050300660370	900	13	0.09	0.60 c	69	150	22	22	140	-15...+50
	QT-ECO 1x4-16/220-240 S	4050300638584	900	13	0.09	0.60 c	69	80	40	22	72-75	-15...+50
	QT-ECO 2x5-11/220-240 S	4050300821504	1400	24	0.16	0.60 c	58	80	40	22	72-75	-15...+50
	QTP-D/E 1x10-13	4008321181572	900	14	0.06	0.95	64	93	58	29	96	-20...+50
	QTP-D/E 2x10-13	4008321181596	1900	28	0.12	0.95	68	123	79	33	129.5	-20...+50

For more information on ECG refer to <http://www.osram.com/ecg>

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

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