

# DULUX<sup>®</sup> S/E

SLIM DESIGN MAKING THEM EXTREMELY  
VERSATILE FOR ALMOST UNIVERSAL USE



DULUX<sup>®</sup> S/E



QTP-ECO 2x5-11/220-240 S

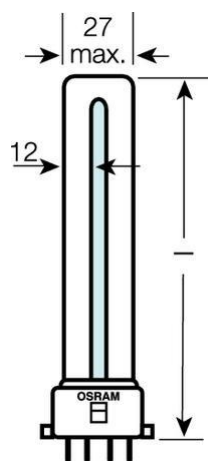
## Benefits

- Extremely economical
- Outstanding quality of light
- Low power consumptions (7W, 9W, 11W)
- Long service life time<sup>1</sup>
- 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

<sup>1</sup> 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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## Electrical Data<sup>2</sup>

Lamps operated with **HF<sup>3</sup>** 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 temperature<sup>4</sup>

DULUX® S/E	Light Color LUMILUX®	Color Rendering Index (CRI), Ra	Lumi-nance (LC <sup>5</sup> 840) [cd/cm <sup>2</sup> ]	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

<sup>2</sup> According to IEC 60901

<sup>3</sup> High Frequency

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

<sup>5</sup> Light Color

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## Lifetime<sup>6</sup>

	ECG <sup>7</sup> preheated IEC switching cycle <sup>8</sup>
<b>B50<sup>9</sup></b>	20,000 h
<b>Service life time<sup>10</sup></b>	13,000 h
<b>LLMF<sup>11</sup> 2.000 h</b>	0.89
<b>LLMF 4.000 h</b>	0.86
<b>LLMF 6.000 h</b>	0.84
<b>LLMF 8.000 h</b>	0.82
<b>LLMF 12.000 h</b>	0.79
<b>LLMF 16.000 h</b>	0.78
<b>LLMF 20.000 h</b>	0.76
<b>LSF<sup>12</sup> 2.000 h</b>	0.99
<b>LSF 4.000 h</b>	0.99
<b>LSF 6.000 h</b>	0.99
<b>LSF 8.000 h</b>	0.99
<b>LSF 12.000 h</b>	0.95
<b>LSF 16.000 h</b>	0.81
<b>LSF 20.000 h</b>	0.50

<sup>6</sup> Measurement in accordance with IEC 60901

<sup>7</sup> Electronic Control Gear

<sup>8</sup> Switching cycle 165 min. on, 15 min. off (according to IEC)

<sup>9</sup> 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.

<sup>10</sup> 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

<sup>11</sup> 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

<sup>12</sup> 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 labelling<sup>13</sup>

Description	Energy efficiency class	Weighted energy consumption E <sub>c</sub> [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

<sup>13</sup> 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 [lm]	System power [W]	I <sub>N</sub> [A]	Power Factor ECG [λ]	System luminous efficacy [lm/W]	Length [mm]	Width [mm]	Height [mm]	Distance between holes [mm]	T <sub>a</sub> [°C]
<b>DULUX® S/E 7 W</b>	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
<b>DULUX® S/E 9 W</b>	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	
<b>DULUX® S/E 11 W</b>	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](http://www.osram.com/brokenlamp)

For more information technical Information see Technical guide. Free download at [www.osram.com](http://www.osram.com)