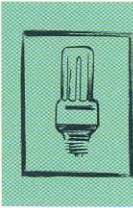
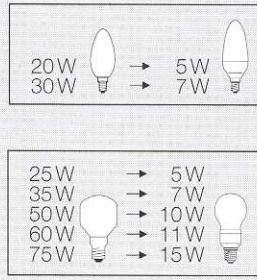
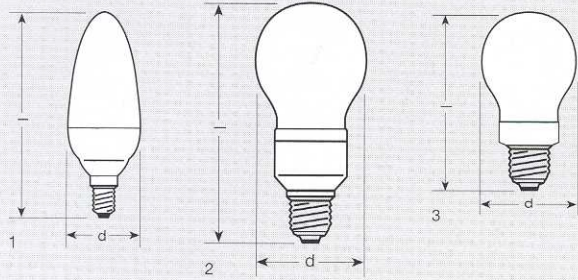


OSRAM DULUX® EL CLASSIC



Product reference

Product number

W

V/Hz

mA

Color temperature icon

R_a

OSRAM DULUX® EL CLASSIC

Product reference	Product number	W	V/Hz	mA	Color temperature icon	R _a
DULUX EL CL B 5 W/827 E14	4050300607863	5	220 ... 240/50 ... 60 45			LUMILUX INTERNA® 1 B
DULUX EL CL A 5 W/827 E27	4050300526140	5	220 ... 240/50 ... 60 45			LUMILUX INTERNA® 1 B
DULUX EL CL B 7 W/827 E14	4050300942223	7	220 ... 240/50 ... 60 55			LUMILUX INTERNA® 1 B
DULUX EL CL A 7 W/827 E27	4050300604459	7	220 ... 240/50 ... 60 55			LUMILUX INTERNA® 1 B
DULUX EL CL A 10 W/827 E27	4050300661087	10	220 ... 240/50 ... 60 80			LUMILUX INTERNA® 1 B
DULUX EL CL A 11 W/827 E27	4050300492582	11	220 ... 240/50 ... 60 115			LUMILUX INTERNA® 1 B
DULUX EL CL A 15 W/827 E27	4050300525341	15	220 ... 240/50 ... 60 130			LUMILUX INTERNA® 1 B

Product reference

lm

Base type icon

d [mm]

l [mm]

Weight icon

No.

Quantity icon*

Product reference	lm	Base type icon	d [mm]	l [mm]	Weight icon	No.	Quantity icon*
DULUX EL CL B 5 W/827 E14	150	E14	46	131 ± 2	64	1	15
DULUX EL CL A 5 W/827 E27	150	E27	60	111 ± 2	70	3	15
DULUX EL CL B 7 W/827 E14	280	E14	46	131 ± 2	70	1	15
DULUX EL CL A 7 W/827 E27	350	E27	60	111 ± 2	75	3	15
DULUX EL CL A 10 W/827 E27	500	E27	60	123.5 ± 2	80	3	15
DULUX EL CL A 11 W/827 E27	550	E27	70	147 ± 2	88	2	15
DULUX EL CL A 15 W/827 E27	800	E27	70	149.5 ± 2	140	2	15

OSRAM DULUX® EL CLASSIC lamps with B22d base available on request.
OSRAM DULUX® EL CLASSIC lamps are not suitable for use with DC supplies, dimmers or electronic switches.
Use outdoors only in enclosed and ventilated luminaires.

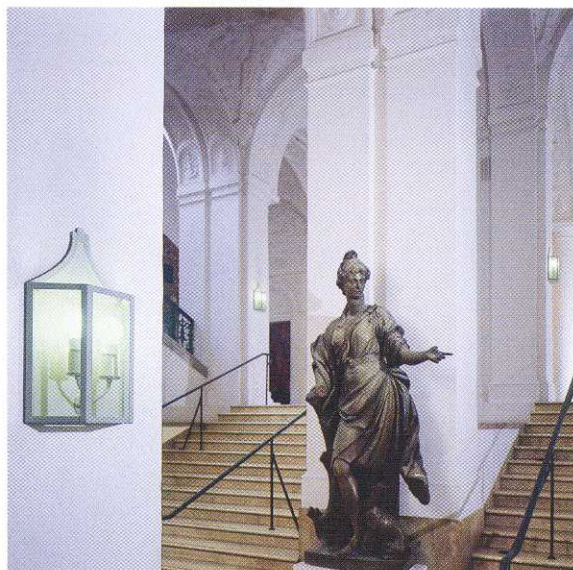
This compact fluorescent lamp is ideal for decorative and free-burning applications. The opal outer bulb provides a particular soft light. If used on average for three hours a day, it will provide light for around 12 years. What's more, the OSRAM DULUX® EL CLASSIC has all the advantages of the OSRAM DULUX® EL LONG-LIFE.

Domestic applications:

All rooms, especially where the lamps are visible, need to last a long time or have to withstand frequent on/off switching.

Commercial applications:

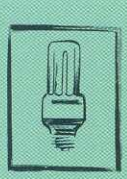
Restaurants, hotels and similar prestige applications. Also suitable for use in enclosed and ventilated outdoor luminaires, even at low ambient temperatures.



OSRAM DULUX® EL CLASSIC combines the good looks of an ordinary light bulb with the economic advantages of a fluorescent lamp.

* To ensure that your order reaches you quickly, please order standard pack quantities (15 per SP from summer 2002).

Technical data



Lamp OSRAM DULUX® Watt	Lamp voltage for 50/60Hz V		Lamp current for 50/60Hz mA		Wattage with control gear CCG ¹⁾ W		Lumi- nance cd/cm ² LF 827, 830, 840	Compensation Parallel capacitor ²⁾ CCG 230V/50Hz µF	Series capacitor ³⁾ CCG µF
		for HF V		for HF mA		ECG W			
DULUX S 5	35	—	180	—	10	—	2.5	2.2	—
DULUX S 7	47/45	—	175/180	—	11	—	2.6	2.1	—
DULUX S 9	60/59	—	170/180	—	13	—	2.8	2.0	—
DULUX S 11	91/—	—	155/—	—	15	—	2.7	1.7	—
DULUX D 10	64	—	190	—	15	—	4.0	2.2	1.4
DULUX D 13	91	—	175	—	17	—	4.0	1.8	1.4
DULUX D 18	100	—	220	—	23	—	4.5	2.2	1.7
DULUX D 26	105	—	325	—	31	—	5.5	3.2	2.5
DULUX T 13	91	—	175	—	17	—	4.2	1.8	1.4
DULUX T 18	100	—	225	—	23	—	4.7	2.3	1.7
DULUX T 26	105	—	325	—	31	—	6.0	3.3	2.5
DULUX S/E 5	—	27	—	190	—	7.5	2.5	—	—
DULUX S/E 7	—	37	—	175	—	9	2.6	—	—
DULUX S/E 9	—	48	—	170	—	12	2.8	—	—
DULUX S/E 11	—	75	—	150	—	14	2.7	—	—
DULUX D/E 10	—	51	—	190	—	12	4.0	—	—
DULUX D/E 13	—	77	—	165	—	14	4.0	—	—
DULUX D/E 18	—	80	—	210	—	20	4.5	—	—
DULUX D/E 26	—	80	—	300	—	28	5.5	—	—
DULUX T/E 13	—	77	—	165	—	14	4.2	—	—
DULUX T/E 18	—	80	—	210	—	20	4.7	—	—
DULUX T/E 26	—	80	—	300	—	28	6.0	—	—
DULUX T/E 32	—	100	—	320	—	35	6.5	—	—
DULUX T/E 42	—	135	—	320	—	46	7.0	—	—
DULUX T/E 57	—	182	—	320	—	62	7.0	—	—
DULUX L 18	58	50	375	320	24	19	2.1	4.2	2.7
DULUX L 24	87	75	345	300	30	27	2.1	3.6	2.7
DULUX L 36	106	90	435	360	43	39	2.8	4.4	3.4
DULUX L 40	—	126	—	320	—	45	2.3	—	—
DULUX L 55	—	101	—	550	—	61	3.2	—	—
DULUX L 80	—	4)	—	4)	—	4)	4)	—	—
DULUX F 18	58	50	375	320	24	19	2.4	4.2	2.7
DULUX F 24	87	75	345	300	29	27	2.5	3.6	2.7
DULUX F 36	106	90	435	360	43	39	3.0	4.4	3.4

* ECG also available in two-lamp version.

For QUICKTRONIC® electronic control gear see Section 9.

For detailed technical information see the "Technical Guide".

1) Approximate values for low-loss control gear – depending on the control gear

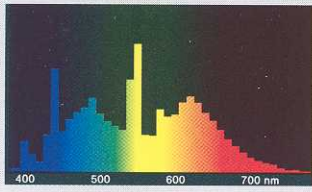
2) Design for cos phi = 0.95

Dielectric strength of the capacitors 250 V AC
Capacitance tolerance ± 10%.

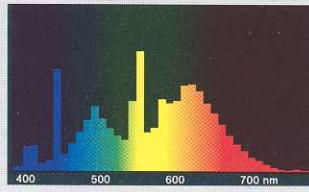
3) To maintain the specified operating and preheating values, close-tolerance capacitors (± 2%) and series resistors (± 1.5%) are required for series compensation. Check the product ranges of leading manufacturers. Dielectric strength of the capacitors = 450 V AC.

4) In preparation.

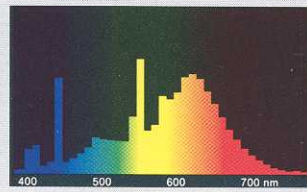
Spectral power distribution of OSRAM DULUX® lamps



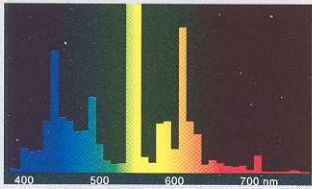
Colour 950 LUMILUX® DE LUXE Daylight



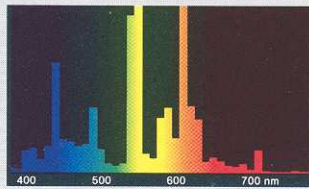
Colour 940 LUMILUX® DE LUXE Cool White



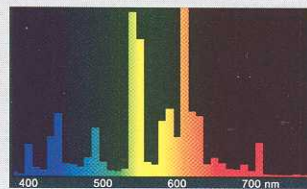
Colour 930 LUMILUX® DE LUXE Warm White



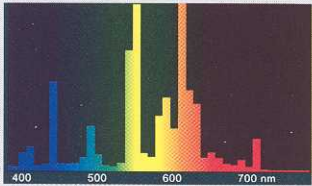
Colour 860 LUMILUX® Daylight



Colour 840 LUMILUX® Cool White



Colour 830 LUMILUX® Warm White

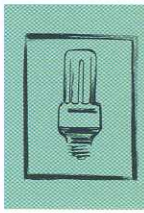


Colour 827 LUMILUX INTERNA®

Spectral power distribution of OSRAM DULUX® lamps




Visible range from 380 to 780 nm

Vertical scale $\frac{400 \text{ mW}}{1000 \text{ lm} \cdot 10 \text{ nm}}$



Colour appearances and colour rendering properties of fluorescent lamps to DIN 5035

Colour appearances and colour rendering properties of fluorescent lamps to DIN 5035

				
Group 1 excellent	1 A R_a 90 ... 100	950 LUMILUX® DE LUXE Daylight 5400 K	940 LUMILUX® DE LUXE Cool White 3800 K	930 LUMILUX® DE LUXE Warm White 3000 K
very good	1 B R_a 80 ... 89	860 LUMILUX® Daylight 6000 K	840 LUMILUX® Cool White 4000 K	830 LUMILUX® Warm White 3000 K
				827 LUMILUX INTERNA® 2700 K

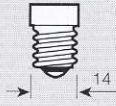
For an explanation of the colour appearances see page 4.23.

Note: These colour graphs do not show the colour distributions in great detail. The colour printing process is not able to provide an accurate match between the colours shown and the colours defined for the individual colour locations.

Bases

IEC/EN 60061-1

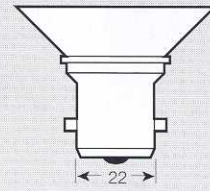
For direct connection to mains



E14
Sheet 7004-23



E27
Sheet 7004-21

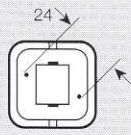


B22d
Sheet 7004-10

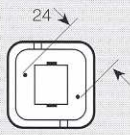
For switch-start operation



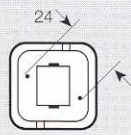
G23
Sheet 7004-69



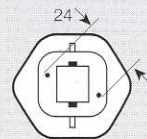
G24d-1
Sheet 7004-78



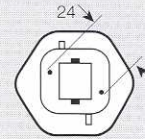
G24d-2
Sheet 7004-78



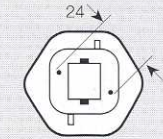
G24d-3
Sheet 7004-78



GX24d-1
Sheet 7004-78

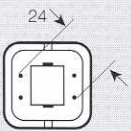


GX24d-2
Sheet 7004-78

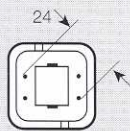


GX24d-3
Sheet 7004-78

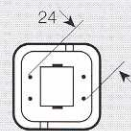
For HF operation



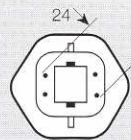
G24q-1
Sheet 7004-78



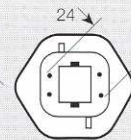
G24q-2
Sheet 7004-78



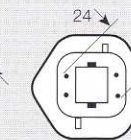
G24q-3
Sheet 7004-78



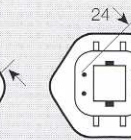
GX24q-1
Sheet 7004-78



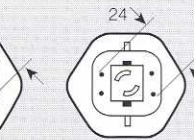
GX24q-2
Sheet 7004-78



GX24q-3
Sheet 7004-78

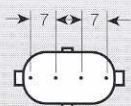


GX24q-4
Sheet 7004-78

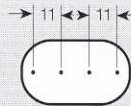


GX24q-5

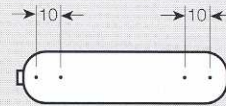
For HF operation



2G7
Sheet 7004-102

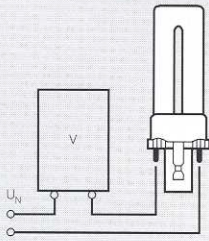


2G11
Sheet 7004-82

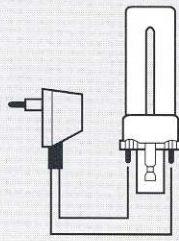


2G10
Sheet 7004-118

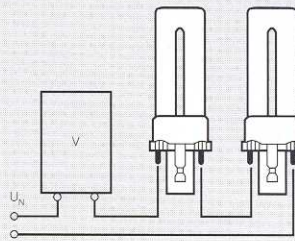
Circuit diagrams for conventional control gear



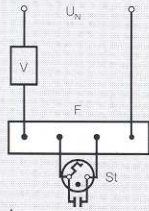
1
Single lamp with control gear
OSRAM DULUX® S 5W, 7W, 9W, 11W
OSRAM DULUX® D 10W, 13W, 18W, 26W
OSRAM DULUX® T 13W, 18W, 26W



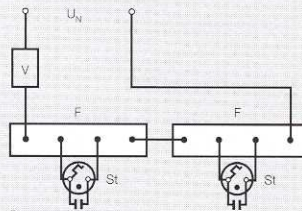
2
Single lamp with plug-in control gear
OSRAM DULUX® S 5W, 7W, 9W, 11W
OSRAM DULUX® D 10W, 13W
OSRAM DULUX® T 13W



3
Series connection with control gear
OSRAM DULUX® S 5W, 7W, 9W



4
Single lamp with starter St 111
or DEOS® St 171
OSRAM DULUX® L 18W, 24W, 36W
OSRAM DULUX® L 18W SP, 24W SP
OSRAM DULUX® F 18W, 24W, 36W



5
Series connection to 230V/240V
with starter St 151
OSRAM DULUX® L 18W
OSRAM DULUX® L 18W SP
OSRAM DULUX® F 18W

F = Four-pin lampholder
St = Starter
U_N = Supply voltage
V = Control gear

Circuit diagrams for HF operation see Section 9.

