

DULUX® EL Living Spaces™ Compact Fluorescent Lamps



DULUX EL Living Spaces lamps provide the most natural looking light produced by any CFL in the market. These lamps closely replicate the light produced by incandescent lamps. Their high R9 value allows for an improved rendering of warm tones and strong red colors, complementing healthy complexions. SYLVANIA offers a full product portfolio of Living Spaces lamps, from twist and 3-way lamps to reflectors.

If you want to save energy without sacrificing light quality, then Living Spaces is your answer!



Key Features & Benefits

- SYLVANIA exclusive CFL phosphor formulation provides enhanced rendition of the strong red color (CIE - R9) generating richer, warmer, redder color tones
- Energy saving alternative to incandescent lamps saves up to 75% energy compared to similar lumen output incandescent
- Long life: Up to 12,000 hour average rated life
- Flicker-free starting
- TCLP and RoHS compliant
- Select models ENERGY STAR® qualified
- Sustainable packaging
- <1.5 mg of mercury – lowest in market
- Small form factor
- Available in 5, 13, 16, 20, 23, 26 and 33 Watts
- 2700K color temperature
- 84 CRI
- Full spiral technology to fit into more applications
- Instant On



This light source meets restrictions on hazardous substances.

Product Offering

Lamp Type	Wattage
Micro Mini	5W, 13W, 20W, 23W, 26W
BR30	16W
BR40	23W
3 Way	33W

Application Information

Applications

- Hospitality (hotels, restaurants)
- Healthcare (hospitals, assisted living)
- Property management
- Residential
- Retail (lighting showrooms, floor displays)

Application Notes

1. Do not install on dimming circuits or in outdoor applications
2. Do not use in emergency exit fixtures or lights
3. Do not use on electronic timers, photocells, lighted switches or any other switches that do not meet UL20 Sec. 7.6.15
4. Meets CSA, FCC and UL requirements
5. Use only 120V AC, 60Hz circuit
6. Install and remove lamp from fixture by grasping plastic base, not lamp glass
7. Best performance achieved when operated at 77°F/25°C



Specification Data

Catalog # _____ Type _____
 Project _____
 Comments _____
 Prepared by _____

Ordering Information

Item Number	Ordering Abbreviation	Wattage	Base	Lamp Type	Lumens	CCT	CRI	Life	Packaging
21095	CF5EL/MICRO/827/LS/RP	5	Medium	micro-mini	250	2700K	84	12,000	6/CS 1/SKU
29972	CF13EL/MICRO/827/LS/RP2	13	Medium	micro-mini	800	2700K	84	12,000	12/CS 2/SKU
26938	CF13EL/MICRO/827/LS/C/BL2	13	Candelabra	micro-mini	800	2700K	84	12,000	12/CS 2/SKU
29973	CF20EL/MICRO/827/LS/RP2	20	Medium	micro-mini	1200	2700K	84	12,000	12/CS 2/SKU
29974	CF23EL/MICRO/827/LS/RP2	23	Medium	micro-mini	1400	2700K	84	12,000	12/CS 2/SKU
29023	CF26EL/MICRO/827/LS	26	Medium	micro-mini	1600	2700K	84	12,000	6/CS 1/SKU
26937	CF16EL/BR30/827/LS/BL	16	Medium	BR30	650	2700K	84	8,000	3/CS 1/SKU
26926	CF23EL/BR40/827/LS/BL	23	Medium	BR40	1050	2700K	84	8,000	3/CS 1/SKU
28974	CF33EL/3WAY/827/LS/RP	12/22/33	Medium	3-Way	600/1200/1750	2700K	84	10,000	4/CS 1/SKU

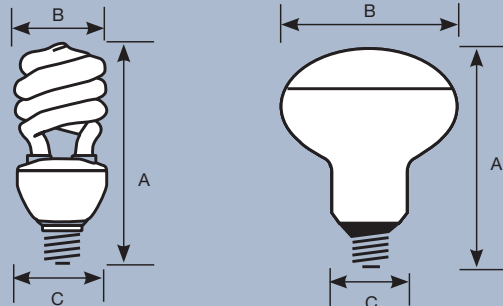
Lamp Comparison

DULUX® EL	Compact Fluorescent		Similar Incandescent	Incandescent		Watts Saved	Energy Savings ¹	CFL Life vs. Incandescent
	Lumens	Life		Lumens	Life			
CF5EL/MICRO/LS	250	12,000	25A/W	210	2,500	20	\$26	5X
CF13EL/MICRO/LS	800	12,000	60A/W	850	1,000	47	\$62	12X
CF20EL/MICRO/LS	1200	12,000	75A/W	1170	750	55	\$72	16X
CF23EL/MICRO/LS	1400	12,000	100A/W	1690	750	77	\$101	16X
CF26EL/MICRO/LS	1600	12,000	100A/W	1690	750	74	\$97	16X
CF16EL/BR30/LS	650	8,000	65A/W	600	2,000	49	\$43	4X
CF23EL/BR40/LS	1050	8,000	90A/W	1300	750	67	\$58	10X
CF33EL/3WAY/LS	600	10,000	50A/W	580	1,100	38	\$41	9X
	1200		100A/W	1540		78	\$85	
	1750		150A/W	2120		117	\$128	

¹Savings achieved over the average rated life of the DULUX EL lamp compared to an incandescent bulb. Based on 11¢ kWh.

Lamp Dimensions

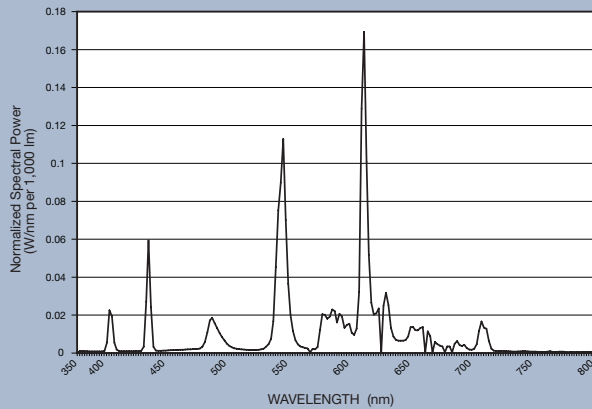
	(A) MOL (in.)	(B) Diameter (in.)	(C) Base Width (in.)
5W Micro	2.16	0.97	1.07
13W Micro	3.70	1.49	1.65
20W Micro	4.13	2.02	2.14
23W Micro	4.41	2.02	2.14
26W Micro	4.52	2.02	2.14
33W 3-Way	5.31	2.64	2.76
BR30	5.51	3.74	1.76
BR40	6.30	4.72	1.81



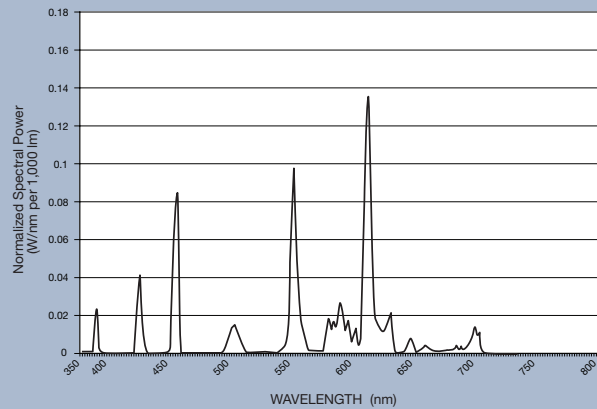
Technical Information (continued)

Living Spaces™ lamps have a higher R9 value which permits for richer, warmer color tones. The higher R9 value makes Living Spaces a unique product and an ideal replacement for traditional incandescent and CFL lamps. The following spectrum graph peaks at 615nm, indicating the high red value that Living Spaces lamps have.

Living Spaces 2700K



DULUX EL 2700K

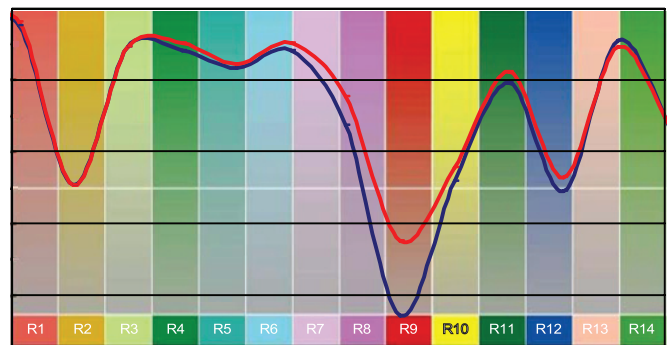


Color Rendering Index (CRI)

Color rendering index (CRI) is a system derived from visual experiments. It assesses the impact of different light sources on the perceived color of objects and surfaces. The first step is to determine the color temperature of the light source being rated. Next, each of eight standard color samples is illuminated—first by the light source and then by a light from a black body matched to the same color temperature. If none of the samples changes in color appearance, the light source is given a CRI rating of 100. Any changes in color appearance which do occur result in a lower rating. The CRI decreases as the average change in the color appearance of the eight samples increases. Any CRI rating of 80 or above is normally considered high and indicates that the source has good color properties.

The Color Rendering Index (CRI) is generated by using the 8 sample colors (R1 through R8), which are then averaged together to produce the rated CRI for the light source. In addition to the 8 colors used in the CRI measurement there are also 6 additional special colors (R9 thru R14) which are not incorporated in the CRI index. As can be seen from the chart on the right, Living Spaces (Red Line) significantly increases the amount of R9 as compared to standard Compact Fluorescent Lamps (Blue Line). The R9, Strong Red, color produces richer, warmer, redder color tones. It is this enhancement of the R9 color that makes Living Spaces such a unique product. Truly, Living Spaces is not your ordinary CFL.

CRI Test Colors



— Living Spaces — Standard CFL

“See like an Incandescent, Save like a CFL”

-a SYLVANIA Exclusive Product-

Ordering Guide

CF	13	EL	/	MICRO	/	827	/	LS	/	RP2
Compact Fluorescent	Wattage: 13 watts	Electronic Ballast		Bulb Type: Micro Mini		8 = 84 CRI 27 = 2700K		Living Spaces		RP= Retail Pack 2 per pack



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 Specifications subject to change without notice.

CF049R3

Sample Specification

Lamps shall be DULUX® EL Living Spaces™ having (5, 13, 16, 20, 23, 26 or 33W), a correlated color temperature 2700K and a CRI of 84.

Lamps shall be designed with enhanced phosphor technology for improved color rendition.

Average rated lamp life shall be 12,000 hours. Lamp MOL shall not exceed, 2.16 (5W), 3.7" (13W), 4.13" (20W), 4.41" (23W) and 4.52" (26W).

Lamps shall be TCLP Compliant.

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