

DULUX® EL Covered Electronic Compact Fluorescent Lamps



SYLVANIA offers DULUX EL self-ballasted medium and candelabra base compact fluorescent lamps in a variety of covered designs including: Classic, Globe, Décor and Reflector types. The colored PAR38 CFLs are ideal for party/decorative indoor/outdoor applications. With excellent color rendition and a broad range of color temperature options, these CFLs provide a brilliant alternative to traditional incandescent and halogen light sources and are suitable for many different types of luminaires. They complement the DULUX EL Twist family of CFLs described in companion Product Information Bulletin CF048.

Key Features & Benefits

- Energy saving alternative to incandescent lamps saves up to 75% energy compared to similar lumen output incandescent
- Variety of shapes and wattages to satisfy most applications
- 6000 – 10,000 hour average rated lamp life
- Flicker-free starting
- Dimmable 14W/R20, 15W/BR30 and 19W/BR40 lamps offer smooth dimming from 20% to 100% light output
- Medium and candelabra base for easy replacement of ordinary incandescent lamps
- Colored PAR38 lamps available in red, yellow, green and blue
- Available in a variety of color temperatures
 - 2700K – warm white, similar to incandescent
 - 3000K – soft white, similar to halogen lamps
 - 5000K
- 82 CRI

Product Offering

Lamp Type	Wattage
Classic	9W/A15, 14W/A19
Globe	9W/G25, 14W/G30
Bullet	14W/B20
Decor	4W, 5W, 7W, 9W
Reflector	9W/R20, 14W/R20, 16W/BR30, 19W/PAR38, 20W/BR40, 23W/BR40, 23W/PAR38
Dimmable	14W/R20, 15W/BR30, 19W/BR40
Dimmable Cold Cathode	5W/B10, 5W/A15
Colored PAR38	23W (red, yellow, green and blue)

Application Information

Applications

- Chandeliers
- Sconces
- Vanity bars
- Table lamps
- Ceiling fixtures
- Recessed down lights
- Ceiling fans
- Decorative & vanity fixtures
- Security lighting
- Difficult to service areas

Application Notes

1. DULUX EL lamps cannot be installed on dimming circuits, unless the lamp is labelled as “Dimmable”
2. Outdoor application — use only in enclosed fixtures to avoid exposure to weather (except for PAR38)
3. Do not use in emergency exit fixtures or lights
4. Do not use on electronic timers, photocells, lighted switches or any other switches that do not meet UL20 Sec. 7.6.15
5. Meets CSA, FCC and UL requirements
6. Do not disassemble or modify DULUX EL lamps
7. Use only on 120V AC, 60Hz circuit
8. Install and remove lamp from fixture by grasping plastic base, not lamp glass
9. Best performance achieved when operated at 77°F/25°C



Specification Data

Catalog #	Type
Project	
Comments	
Prepared by	Date

Ordering Information

	Item Number	Ordering Abbreviation	Pkg.	Base	Bulb Type	Replaced Incandescent Wattage	Nominal Wattage	Initial Lumens	Color Temp.	CRI	Average Rated Life (hrs.)
Classic A-line	29743	CF5EL/A15/DIM/827/BL ^{1,2}	1/box, 6/cs	medium	A	15	5	200	2700K	82	25,000
	29665	CF9EL/FAN/827	1/box, 6/cs	medium	A	40	9	450	2700K	82	8000
	29526	CF9EL/FAN/830/BL2	2/blister, 12/cs	medium	A	40	9	475	3000K	82	8000
	29575	CF14EL/A19/827	1/box, 6/cs	medium	A	60	14	800	2700K	82	6000
	29468	CF14EL/A19/830	1/box, 6/cs	medium	A	60	14	800	3000K	82	6000
	29485	CF14EL/A19/830/BL	1/blister, 6/cs	medium	A	60	14	800	3000K	82	8000
Bullet	29196	CF14EL/B/830/MED	1/box, 6/cs	medium	B20	60	14	700	3000K	82	6000
Globe	29414	CF9EL/G25/827	1/box, 6/cs	medium	G25	40	9	495	2700K	82	8000
	29495	CF9EL/G25/830/BL	1/blister, 6/cs	medium	G25	40	9	495	3000K	82	8000
	29528	CF9EL/G25/830/BL2	2/blister, 12/cs	medium	G25	40	9	495	3000K	82	8000
	29195	CF14EL/G30/830	1/box, 6/cs	medium	G30	60	14	725	3000K	82	6000
Décor	29135	CF4EL/B10/C/827	1/box, 6/cs	candelabra	B10	15	4	160	2700K	82	6000
	29121	CF4EL/B10C/830/BL	1/blister, 6/cs	candelabra	B10	15	4	170	3000K	82	6000
	29750	CF5EL/B10/C/ADP/827/DIM/RP ^{1,2}	1/box, 6/cs	candelabra	B10	15	5	200	2700K	82	25,000
	29742	CF5EL/B10/C/ADP/DIM/830 ^{1,2}	1/box, 6/cs	candelabra	B10	15	5	200	3000K	82	25,000
	29039	CF7EL/B10/827	1/box, 6/cs	medium	B10	25	7	280	2700K	82	6000
	29167	CF7EL/B10/830/BL	1/blister, 6/cs	medium	B10	25	7	280	3000K	82	6000
	29584	CF9EL/B10/C/827/BL2	2/blister, 12/cs	candelabra	B10	40	9	450	2700K	82	8000
	29600	CF9EL/B10/C/ADP/830	1/box, 6/cs	candelabra	B10	40	9	450	3000K	82	8000
Specialty	29789	CF14EL/A19/YELLOW/RP	1/box, 6/cs	medium	A19	n/a	14	405	—	—	6000
Reflector R20	29638	CF9EL/R20/827	1/box, 6/cs	medium	R20	40	9	300	2700K	82	8000
	29640	CF9EL/R20/830/BL	1/blister, 6/cs	medium	R20	40	9	300	3000K	82	8000
	29624	CF14EL/R20/827	1/box, 6/cs	medium	R20	60	14	495	2700K	82	8000
	28998	CF14EL/R20/827/DIM/RP ¹	1/box, 6/cs	medium	R20	60	14	500	2700K	82	8000
	29587	CF14EL/R20/830/BL	1/blister, 6/cs	medium	R20	60	14	500	3000K	82	8000
Reflector BR30	29465	CF15EL/BR30/DIM/827 ¹	1/blister, 6/cs	medium	BR30	65	15	600	2700K	82	6000
	29496	CF15EL/BR30/DIM/830/RP ¹	1/box, 6/cs	medium	BR30	65	15	600	3000K	82	6000
	29539	CF15EL/BR30/BL	1/blister, 6/cs	medium	BR30	65	15	560	5000K	82	6000
	29591	CF16EL/BR30/827	1/box, 6/cs	medium	BR30	65	16	750	2700K	82	8000
	29565	CF16EL/BR30/830/BL	1/blister, 6/cs	medium	BR30	65	16	750	3000K	82	8000
	29590	CF16EL/BR30/830	1/box, 6/cs	medium	BR30	65	16	750	3000K	82	8000
Reflector PAR38	29359	CF23EL/PAR38/827	1/box, 6/cs	medium	PAR38	75	23	1200	2700K	82	8000
	29897	CF23EL/PAR38/GL/827	1/box, 6/cs	medium	PAR38	100	23	1000	2700K	82	8000
	29625	CF23EL/PAR38/830/BL	1/blister, 6/cs	medium	PAR38	75	23	1200	3000K	82	8000
	29744	CF23EL/PAR38/GL/830/BL	1/box, 6/cs	medium	PAR38	75	23	1000	3000K	82	8000
	29902	CF23EL/PAR38/R/RP	1/box, 6/cs	medium	PAR38	75	23	—	Red	—	8000
	29903	CF23EL/PAR38/B/RP	1/box, 6/cs	medium	PAR38	75	23	—	Blue	—	8000
	29904	CF23EL/PAR38/G/RP	1/box, 6/cs	medium	PAR38	75	23	—	Green	—	8000
	29905	CF23EL/PAR38/Y/RP	1/box, 6/cs	medium	PAR38	75	23	—	Yellow	—	8000
Reflector BR40	28997	CF19EL/BR40/827/DIM/RP ¹	1/box, 6/cs	medium	BR40	75	19	900	2700K	82	8000
	29452	CF23EL/BR40/827/RP	1/box, 6/cs	medium	BR40	65	23	1250	2700K	82	8000
	29442	CF23EL/BR40/830/BL	1/blister, 6/cs	medium	BR40	90	23	1250	3000K	82	8000

Notes:

1. May be used with standard electronic incandescent wall dimmers.

2. Cold Cathode technology.

Operating temperature range of all DULUX EL lamps is 0° to 100°F. Operating temperature range of Bullet lamp is 0° to 122°F.

Ordering Guide

CF	14	EL	/	A19	/	830	/	BL
Compact Fluorescent	Wattage: 14 watts	Electronic Ballast		Bulb Type: A, FAN, BR, B, G, R, PAR number indicates diameter of bulb in 1/8"		8 = 82 CRI 27 = 2700K 30 = 3000K 50 = 5000K		Blister pack

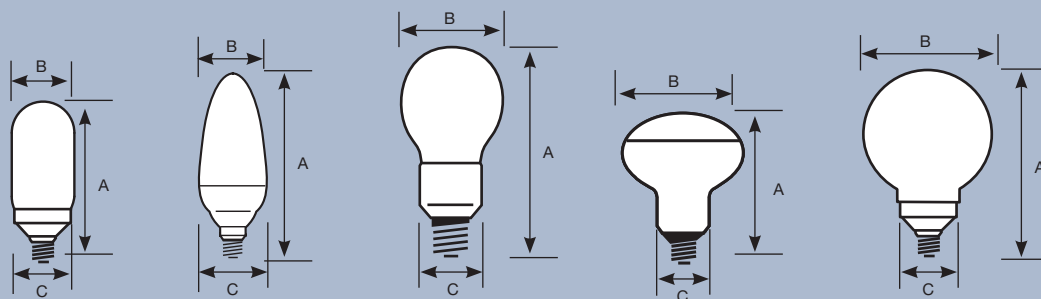
Lamp Comparison

DULUX® EL	Compact Fluorescent		Incandescent	Similar Incandescent		Watts Saved	Energy* Savings	CFL Life vs. Incandescent
	Lumens	Life		Lumens	Life			
CF5EL/A15	200	25,000	25A/W	210	1500	20	\$50	16 x
CF9EL/FAN	450	8000	40A/W	370	1500	31	\$25	5 x
CF14EL/A19	800	6000	60A/W	850	1000	46	\$27	6 x
CF14EL/A19	800	8000	60A/W	850	1000	46	\$36	8 x
CF14EL/B/830/MED	700	6000	60A/W	850	1000	45	\$27	6 x
CF9EL/G25	495	8000	40G25	370	1500	31	\$24	4 x
CF14EL/G30	700	6000	60G25/W	680	1500	45	\$27	4 x
CF5EL/B10	200	25,000	25A/W	210	1500	20	\$50	16 x
CF4EL/B10C	160	6000	15B10	125	1500	11	\$6	4 x
CF7EL/B10	280	6000	25F/CL	210	1500	18	\$10	4 x
CF9EL/B10/C	450	8000	40A/W	370	1500	31	\$25	5 x
CF19EL/BR40	900	8000	75BR40/FL	680	2000	56	\$44	4 x
CF14EL/A19/YELLOW	475	6000	60A/Y/RP	550	1000	46	\$27	6 x
CF9EL/R20	495	8000	40R20	370	1500	31	\$25	5 x
CF14EL/R20	495	8000	50R20/FL	330	2000	36	\$28	4 x
CF15EL/BR30 DIM	600	6000	65BR30/FL	620	2000	50	\$30	3 x
CF16EL/BR30	750	8000	65BR30/FL	620	2000	49	\$39	4 x
CF23EL/BR40	1250	8000	90BR40/FL	1300	750	67	\$54	10 x
CF23EL/PAR38	1200	8000	75PAR/W	650	2000	53	\$31	4 x
CF23EL/PAR38/GL	1000	8000	75PAR/W	900	750	52	\$42	10 x

*Energy savings over life of EL lamp at \$0.10/kWh

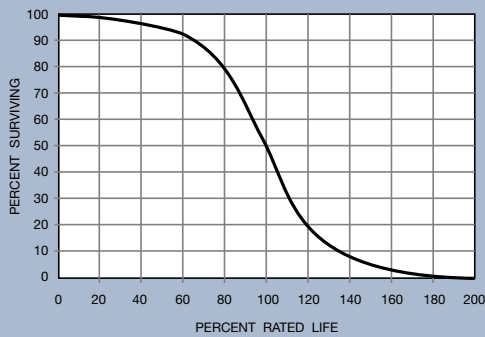
Lamp Dimensions

	(A) MOL (in.)	(B) Diameter (in.)	(C) Base Width (in.)
CF5EL/A15	3.97	1.98	1.37
CF9EL/FAN	4.00	2.20	1.70
CF14EL/A19	4.75	2.40	2.10
CF14EL/A19 (29485)	5.00	2.33	1.88
CF14EL/B	5.50	2.40	2.40
CF9EL/G25	4.25	3.13	2.61
CF14EL/G30	5.40	3.40	2.00
CF5EL/B10	4.6	1.44	1.44
CF4EL/B10C	4.25	1.40	1.58
CF7EL/B10	5.00	2.88	1.63
CF9EL/B10C	4.25	1.70	1.70
CF9EL/R20	3.94	1.68	1.69
CF14EL/R20/DIM	5.00	2.50	2.00
CF14EL/R20	4.50	3.25	1.90
CF15EL/BR30/DIM	5.63	3.72	2.36
CF16EL/BR30	5.70	3.75	2.00
CF19EL/BR40/DIM	5.75	4.62	2.00
CF23EL/BR40	6.50	4.69	2.16
CF23EL/PAR38	6.25	4.75	2.13
CF23EL/PAR38/GL	5.40	4.82	1.77

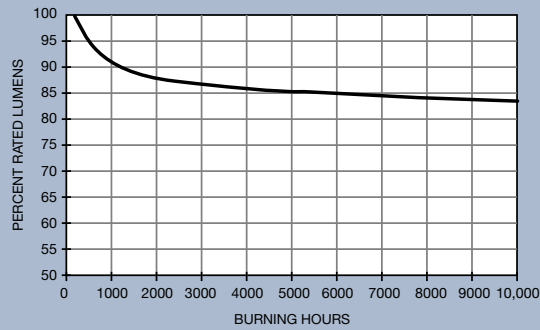


Technical Information

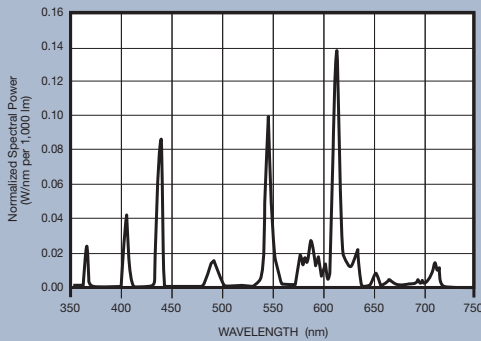
Typical Fluorescent Lamp Mortality*



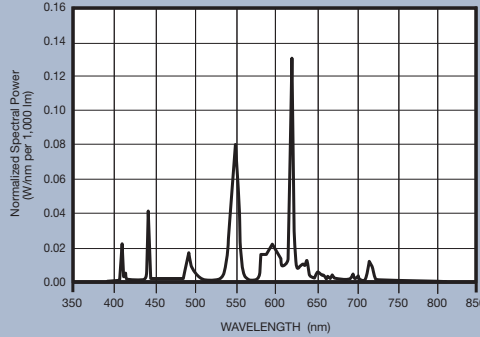
Lumen Maintenance Curve*



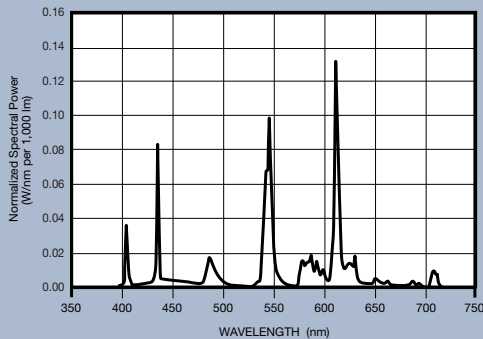
DULUX EL 2700K (Warm White Deluxe)



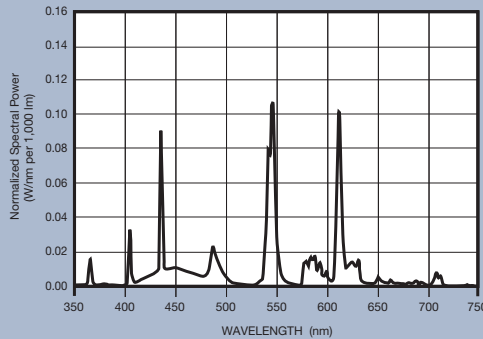
DULUX EL 3000K (Soft White)



DULUX EL 3500K (Daylight EXTRA™)



DULUX EL 5000K



Sample Specification

Lamp shall be a DULUX® EL 15 or 16 Watt BR30 reflector compact fluorescent lamp. Lamp shall have a correlated color temperature of (2700K, 3000K or 5000K) and a CRI of 82. Average rated lamp life shall be (6000 or 8000) hours.

Lamp shall be a DULUX EL 23W PAR38 reflector compact fluorescent lamp. Lamp shall have a correlated color temperature of (2700K or 3000K) and a CRI of 82. Average rated lamp life shall be 8000 hours.

Lamp shall be a DULUX EL 23W PAR38 flat glass reflector compact fluorescent lamp. Lamp shall have a correlated color temperature of (2700K or 3000K) and a CRI of 82. Average rated lamp life shall be 8000 hours.

Lamp shall be red, blue, yellow or green colored DULUX EL 23W PAR38 reflector compact fluorescent lamp. Average rated lamp life shall be 8000 hours.

Lamp shall be a DULUX EL 14 Watt A-LINE electronic, compact fluorescent lamp. Lamp shall have a correlated color temperature of 3000K and a CRI of 82. Average rated lamp life shall be 6000 hours.

Lamp shall be a DULUX EL Globe (9 or 14 Watt) electronic, compact fluorescent lamp. Lamp shall have a correlated color temperature of (2700K or 3000K) and a CRI of 82. Average rated lamp life shall be 8000 hours.

Lamp shall be a DULUX EL Décor (Flame shaped) in 4, 5, 7 or 9W electronic, compact fluorescent lamp. Lamp shall have a correlated color temperature of 2700K or 3000K and a CRI of 82. Average rated lamp life shall be 6000 or 8000 hours.

Lamp shall be a DULUX EL 14W Bullet, compact fluorescent lamp. Lamp shall have a correlated color temperature of 3000K and a CRI of 82. Average rated lamp life shall be 6000 hours.

Lamp shall be a DULUX EL 15 Watt BR30 dimmable reflector compact fluorescent lamp. Lamp shall have a correlated color temperature of (2700K or 3000K) and a CRI of 82. Average rated lamp life shall be 6000 hours.

Lamp shall be a DULUX EL 5 Watt B10 dimmable cold cathode compact fluorescent lamp. Lamp shall have a correlated color temperature of (2700 or 3000K) and a CRI of 82. Average rated lamp life shall be 25,000 hours.

Lamp shall be a DULUX EL 14 Watt R20 dimmable reflector compact fluorescent lamp. Lamp shall have a correlated color temperature of 2700K and a CRI of 82. Average rated lamp life shall be 8000 hours.

Lamp shall be a DULUX EL 19 Watt BR40 dimmable reflector compact fluorescent lamp. Lamp shall have a correlated color temperature of 2700K and a CRI of 82. Average rated lamp life shall be 8000 hours.

Lamp shall be a DULUX EL 5 Watt A15 dimmable cold cathode compact fluorescent lamp. Lamp shall have a correlated color temperature of 3000K and a CRI of 82. Average rated lamp life shall be 25,000 hours.

* Not a specification or standard. Actual results may vary.

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