

DULUX® EL Twist

Electronic Compact Fluorescent Lamps



SYLVANIA offers DULUX EL self-ballasted medium, candelabra and GU24 based compact fluorescent lamps in a variety of Twist designs. The Dimmable Twists offer smooth dimming down to 20% of rated light output. With a reduced T2 tube diameter, Micro-Mini Twist lamps are the smallest CFL lamps available in the industry, further addressing sustainability objectives with long 12,000 hour life and TCLP-compliance.

With improved efficacy, smaller profiles, excellent color rendition and a broad range of color temperature options, DULUX EL 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 Covered family of CFLs described in companion Product Information Bulletin CF047.

Application Information

Applications

- Chandeliers
- Decorative & vanity fixtures
- Difficult to service areas
- Floor lamps
- Sconces
- Security lighting
- Table lamps
- 3-way lamps

Key Features & Benefits

- Energy saving alternatives to incandescent lamps save up to 75% compared to similar lumen output incandescents
- Variety of medium and candelabra base shapes and wattages to satisfy most applications
- Long life: 8,000–15,000 hour average rated life
- Flicker-free starting
- Micro-Mini configurations are TCLP-compliant
- Increased energy savings with dimmable 14W and 24W twists
- 82 CRI
- Available in a variety of color temperatures:
 - 2700K
 - 3000K
 - 3500K
 - 4100K
 - 5000K
 - 6500K

Product Offering

Lamp Type	Watts
Micro-Mini Twist	5W, 10W, 13W, 20W, 23W, 26W
Super Mini Twist	7W, 11W, 13W, 19W, 23W
Mini Twist	7W, 11W, 13W, 19W, 23W
Micro LED Night Light Twist	23W
Twist GU24	13W, 23W
3-Way Twist	12/22/33W, 20/30/40W
Dimmable Twist	14W, 24W

Application Notes

1. Do not install DULUX EL lamps on dimming circuits, unless the lamp is labelled as “Dimmable”.
2. Outdoor application — use only in enclosed fixtures to avoid exposure to weather.
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. Use only 120V AC, 60Hz circuit.
7. Install and remove lamp from fixture by handling plastic base, not lamp glass.
8. Best performance achieved when operated at 77°F/25°C.



Specification Data

Catalog #	Type
Project/Job	
SYLVANIA Lamp	
SYLVANIA Ballast	
Prepared by	

Ordering Information

	Item Number	Ordering Abbreviation	Base	Incandescent Wattage	Nominal Wattage	Initial Lumens	Color Temp.	CRI	Avg. Rated Life (hrs.)	Pkg.
Micro-Mini Twist	29160	CF5EL/MICRO/827/RP	Medium	25	5	300	2700K	82	12,000	1/SKU,6/CS
	26944	CF10EL/MICRO/827/RP3 18/CS 3/SKU	Medium	40	10	600	2700K	82	10,000	3/SKU,18/CS
	29401	CF10EL/MICRO/827/RP2	Medium	40	10	600	2700K	82	12,000	2/SKU,12/CS
	26929	CF13EL/MICRO/865/RP3 18/CS 3/SKU	Medium	60	13	800	6500K	82	10,000	3/SKU,18/CS
	26943	CF13EL/MICRO/827/RP3	Medium	60	13	825	2700K	82	10,000	3/SKU,18/CS
	26927	CF13EL/MICRO/835/RP3 18/CS 3/SKU	Medium	60	13	825	3500K	82	10,000	3/SKU,18/CS
	26936	CF13EL/MICRO/C/865/BL2	Candelabra	60	13	800	6500K	82	12,000	2/SKU,12/CS
	29727	CF13EL/MICRO/827/RP2	Medium	60	13	825	2700K	82	12,000	2/SKU,12/CS
	29898	CF13EL/MICRO/830/ECO	Medium	60	13	825	3000K	82	12,000	1/SKU,6/CS
	26932	CF13EL/MICRO/C/835/BL2	Candelabra	60	13	825	3500K	82	12,000	2/SKU,12/CS
	26941	CF13EL/MICRO/C/827/BL2	Candelabra	60	13	825	2700K	82	12,000	2/SKU,12/CS
	26942	CF13EL/MICRO/827/15000HR/RP2	Medium	60	13	825	2700K	82	15,000	2/SKU,12/CS
	26925	CF20EL/MICRO/827/RP3 18/CS 3/SKU	Medium	75	20	1300	2700K	82	10,000	3/SKU,18/CS
	29728	CF20EL/MICRO/827/RP2	Medium	75	20	1300	2700K	82	12,000	2/SKU,12/CS
	29899	CF20EL/MICRO/830/ECO	Medium	75	20	1300	3000K	82	12,000	1/SKU,6/CS
	26924	CF20EL/MICRO/827/15000HR RP2	Medium	75	20	1300	2700K	82	15,000	2/SKU,12/CS
	28975	CF23EL/MICRO/865/RP3 18/CS 3/SKU	Medium	100	23	1450	6500K	82	10,000	3/SKU,18/CS
	28976	CF23EL/MICRO/827/RP3 18/CS 3/SKU	Medium	100	23	1600	2700K	82	10,000	3/SKU,18/CS
	26928	CF23EL/MICRO/835/RP3 18/CS 3/SKU	Medium	100	23	1630	3500K	82	10,000	3/SKU,18/CS
	28952	CF23EL/MICROLED/827/HVP	Medium	100	23	1600	2700K	82	12,000	1/SKU,4/CS
	29729	CF23EL/MICRO/827/RP2	Medium	100	23	1640	2700K	82	12,000	2/SKU,12/CS
	29901	CF23EL/MICRO/830/ECO	Medium	100	23	1640	3000K	82	12,000	1/SKU,6/CS
	26906	CF23EL/MICRO/C/827/BL2	Candelabra	100	23	1640	2700K	82	12,000	2/SKU,24/CS
	26939	CF23EL/MICRO/827/15000HR RP2	Medium	100	23	1640	2700K	82	15,000	2/SKU,12/CS
	29026	CF26EL/MICRO/827 6/CS	Medium	100	26	1750	2700K	82	12,000	1/SKU,6/CS
	28990	CF26EL/MICRO/830/ECO	Medium	100	26	1750	3000K	82	12,000	1/SKU,6/CS
Super Mini Twist	29707	CF7EL/SUPER/827/RP	Medium	25	7	375	2700K	82	10,000	1/SKU,6/CS
	29708	CF11EL/SUPER/827/RP	Medium	40	11	600	2700K	82	10,000	1/SKU,6/CS
	29041	CF13EL/SUPER/827/RP3	Medium	60	13	875	2700K	82	10,000	3/SKU,18/CS
	29782	CF13EL/SUPER/850/RP	Medium	60	13	800	5000K	82	10,000	1/SKU,6/CS
	29711	CF13EL/SUPER/865/RP	Medium	60	13	800	6500K	82	10,000	1/SKU,6/CS
	29722	CF13EL/SUPER/865/RP3	Medium	60	13	800	6500K	82	10,000	3/SKU,18/CS
	29710	CF13EL/SUPER/827/RP	Medium	60	13	875	2700K	82	10,000	1/SKU,12/CS
	29693	CF19EL/SUPER/827/RP	Medium	75	19	1250	2700K	82	10,000	1/SKU,12/CS
	29726	CF19EL/SUPER/827/RP3	Medium	75	19	1250	2700K	82	10,000	3/SKU,18/CS
	29674	CF23EL/SUPER/865/RP	Medium	100	23	1500	6500K	82	10,000	1/SKU,6/CS
	29721	CF23EL/SUPER/865/RP3	Medium	100	23	1500	6500K	82	10,000	3/SKU,18/CS
	29712	CF23EL/SUPER/827/RP	Medium	100	23	1600	2700K	82	10,000	1/SKU,12/CS
	29694	CF23EL/SUPER/827/RP3	Medium	100	23	1600	2700K	82	10,000	3/SKU,18/CS
	29699	CF23EL/SUPER/850/RP	Medium	100	23	1600	5000K	82	10,000	1/SKU,6/CS
Mini Twist	29379	CF7EL/MINI/830	Medium	25	7	375	3000K	82	8,000	1/SKU,6/CS
	29378	CF11EL/MINI/830	Medium	40	11	600	3000K	82	8,000	1/SKU,6/CS
	29376	CF13EL/MINI/830	Medium	60	13	875	3000K	82	8,000	1/SKU,6/CS
	29781	CF13EL/MINI/835/DAY/RP	Medium	60	13	875	3500K	82	8,000	1/SKU,6/CS
	29567	CF13EL/MINI/841	Medium	60	13	800	4100K	82	10,000	1/SKU,6/CS
	29149	CF13EL/MINI/827/CVP 12/CS	Medium	60	13	875	2700K	82	10,000	12/SKU,12/CS
	29120	CF13EL/MINI/827/CVP 6/CS	Medium	60	13	875	2700K	82	10,000	6/SKU,6/CS
	29780	CF13EL/MINI/835/DAY/RP3	Medium	60	13	875	3500K	82	10,000	3/SKU,18/CS
	29396	CF19EL/MINI/830	Medium	75	19	1200	3000K	82	8,000	1/SKU,6/CS
	29614	CF23EL/MINI/827/CVP	Medium	100	23	1600	2700K	82	8,000	12/SKU,12/CS
	29397	CF23EL/MINI/830	Medium	100	23	1600	3000K	82	8,000	1/SKU,6/CS
	29784	CF23EL/MINI/835/DAY/RP	Medium	100	23	1600	3500K	82	8,000	1/SKU,6/CS
	29564	CF23EL/MINI/841	Medium	100	23	1600	4100K	82	10,000	1/SKU,6/CS

Ordering Information (continued)

	Item Number	Ordering Abbreviation	Base	Incandescent Wattage	Nominal Wattage	Initial Lumens	Color Temp.	CRI	Avg. Rated Life (hrs.)	Pkg.	
Twist	28957	CF13EL/GU24/827/BL	GU24	60	13	800	2700K	82	8,000	1/SKU,5/CS	
	28946	CF23EL/TWIST/827/DIMBASE 4/CS 1/SKU	Medium	100	23	1500	2700K	82	8,000	1/SKU,4/CS	
	29947	CF23EL/GU24/827/BL	GU24	100	23	1600	2700K	82	8,000	1/SKU,5/CS	
	29793	CF30EL/TWIST/835/DAY/RP	Medium	125	30	1845	3500K	82	10,000	1/SKU,6/CS	
	29395	CF30EL/TWIST/830	Medium	125	30	2000	3000K	82	10,000	1/SKU,6/CS	
	29792	CF30EL/TWIST/827/RP	Medium	125	30	2000	2700K	82	10,000	1/SKU,6/CS	
	29786	CF40EL/TWIST/827/RP	Medium	150	40	2600	2700K	82	10,000	1/SKU,6/CS	
	29508	CF65EL/TWIST/841	Medium	200	65	4200	4100K	82	8,000	1/SKU,6/CS	
	Dimmable Twist	29454	CF14EL/TWIST/827/DIM/BL	Medium	60	14	800	2700K	82	8,000	1/SKU,6/CS
		29453	CF24EL/TWIST/827/DIM/BL	Medium	100	24	1500	2700K	82	8,000	1/SKU,6/CS
3-Way Twist	26933	CF33EL/3WAY/865/BL	Medium	50	12	540	6500K	82	10,000	1/SKU,4/CS	
				100	22	1080	6500K	82	10,000		
				150	33	1935	6500K	82	10,000		
	29747	CF33EL/3WAY/827	Medium	50	12	600	2700K	82	10,000	1/SKU,6/CS	
				100	22	1200	2700K	82	10,000		
				150	33	2150	2700K	82	10,000		
	26930	CF33EL/3WAY/835/BL	Medium	50	12	600	3500K	82	10,000	1/SKU,4/CS	
				100	22	1200	3500K	82	10,000		
				150	33	2150	3500K	82	10,000		
	29913	CF33EL/3WAY/830/RP	Medium	50	12	600	3000K	82	10,000	1/SKU,6/CS	
				100	22	1200	3000K	82	10,000		
				150	33	2150	3000K	82	10,000		
	27714	CF40EL/3WAY/827/RP	Medium	50	20	1000	2700K	82	8,000	1/SKU,4/CS	
				100	30	2050	2700K	82	8,000		
				150	40	2650	2700K	82	8,000		

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

Ordering Guide

CF	13	EL	/	MICRO	/	C	/	830	/	RP2
Compact Fluorescent	Wattage: 13 watts	Electronic Ballast	/	Bulb Type: Micro-Mini, Super Mini, Mini Twist, Twist, Micro LED	/	C = Candelabra Base GU24 = GU24 Base	/	8 = 82 CRI 27 = 2700K 30 = 3000K 41 = 4100K 50 = 5000K	/	RP = Retail Pack HVP = High Visibility Pack 2 = 2 per pack

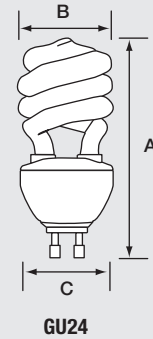
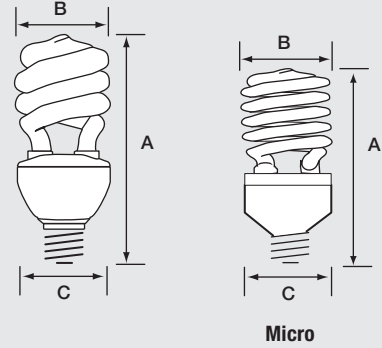
Lamp Comparison

DULUX® EL	Compact Fluorescent		Similar Incandescent	Incandescent		Watts Saved	Energy ¹ Savings	CFL Life vs. Incandescent
	Lumens	Life		Lumens	Life			
CF5EL/MICRO	300	12,000	25A/W	270	1000	20	\$26	12 x
CF10EL/MICRO	600	12,000	40A/W	465	1500	30	\$39	8 x
CF13EL/MICRO	825	12,000	60A/W	850	1000	47	\$62	12 x
CF13EL/MICRO	825	15,000	60A/W	850	1000	47	\$77	15 x
CF20EL/MICRO	1,300	12,000	75A/W	1,170	750	56	\$72	13 x
CF23EL/MICRO	1,640	12,000	100A/W	1,690	750	77	\$101	13 x
CF26EL/MICRO	1,750	12,000	100A/W	1,750	750	74	\$97	13 x
CF13EL/SUPER	875	10,000	60A/W	850	1000	47	\$51	10 x
CF19EL/SUPER	1,250	10,000	75A/W	1,170	750	56	\$61	11 x
CF23EL/SUPER	1,600	10,000	100A/W	1,690	750	77	\$84	13 x
CF7EL/MINI	375	8,000	25A/W	160	2500	18	\$15	3 x
CF11EL/MINI	600	8,000	40A/W	465	1500	29	\$25	5 x
CF13EL/MINI	875	8,000	60A/W	850	1000	47	\$41	8 x
CF13EL/MINI	875	10,000	60A/W	850	1000	47	\$51	10 x
CF19EL/MINI	1,200	8,000	75A/W	1,170	750	56	\$49	11 x
CF19EL/MINI	1,200	10,000	75A/W	1,170	750	56	\$61	13 x
CF23EL/MINI	1,600	8,000	100A/W	1,690	750	77	\$67	11 x
CF23EL/MINI	1,600	10,000	100A/W	1,690	750	77	\$84	13 x
CF14EL/TWIST/DIM	800	8,000	60A/W	850	1000	46	\$40	8 x
CF24EL/TWIST/DIM	1,500	8,000	75A/W	1,170	750	51	\$44	11 x
CF30EL/TWIST	2,000	10,000	125A/W	1,690	750	70	\$104	8 x
CF40EL/TWIST	2,600	10,000	150A/W	2,640	750	110	\$121	11 x
CF65EL/TWIST	4,200	8,000	250A/W	3800	1000	185	\$162	8 x
CF13EL/GU24/TWIST	800	8,000	60A/W	850	600	47	\$41	8 x
CF23EL/GU24/TWIST	1,600	8,000	100A/W	1,690	750	77	\$67	11 x
CF33EL/3WAY (12W)	600	10,000	50A/W	800	750	38	\$41	5 x
CF33EL/3WAY (22W)	1,200	10,000	100A/W	1,690	750	78	\$85	5 x
CF33EL/3WAY (33W)	2,150	10,000	150A/W	2,640	750	117	\$128	5 x
CF40EL/3WAY (20W)	1,000	8,000	50A/W	850	600	27	\$35	16 x
CF40EL/3WAY (30W)	2,050	8,000	100A/W	2,000	750	53	\$79	16 x
CF40EL/3WAY (40W)	2,650	8,000	150A/W	2,640	750	97	\$96	16 x

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

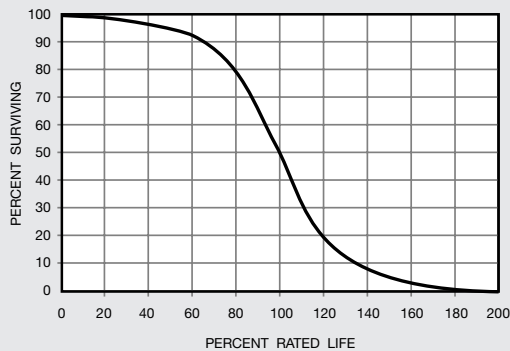
Lamp Dimensions

	(A) MOL (in.)	(B) Diameter (in.)	(C) Base Width (in.)
CF5EL/MICRO	3.3	1.64	1.5
CF10EL/MICRO	3.61	1.53	1.60
CF13EL/MICRO/C	3.70	1.53	1.50
CF13EL/MICRO	3.70	1.53	1.66
CF20EL/MICRO	4.29	2.02	2.14
CF23EL/MICRO & CF23EL MICROLED	4.45	2.02	2.14
CF26EL/MICRO	4.5	2.1	2.0
CF7EL/SUPER	4.0	2.0	1.4
CF11EL/SUPER	4.2	1.8	1.6
CF13EL/SUPER	4.06	1.40	1.90
CF19EL/SUPER	4.70	2.40	1.80
CF23EL/SUPER	5.06	2.40	1.80
CF7EL/MINI	4.40	1.82	1.60
CF11EL/MINI	4.50	1.82	1.60
CF13EL/MINI	4.60	1.82	1.60
CF19EL/MINI	4.80	2.25	2.05
CF23EL/MINI	5.75	2.25	2.05
CF14EL/TWIST/DIM	4.63	1.75	1.73
CF24EL/TWIST/DIM	4.75	2.37	1.73
CF30EL/TWIST	5.13	2.50	2.17
CF40EL/TWIST	6.38	2.76	2.5
CF65EL/TWIST	7.85	4.12	2.76
CF13EL/GU24/TWIST	3.95	1.81	1.51
CF23EL/GU24/TWIST	4.36	2.34	1.80
CF33EL/3WAY/TWIST	5.28	2.55	2.50
CF40EL/3WAY/TWIST	5.5	2.8	2.5

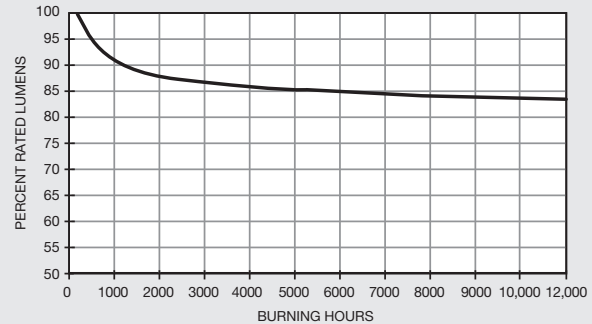


Technical Information

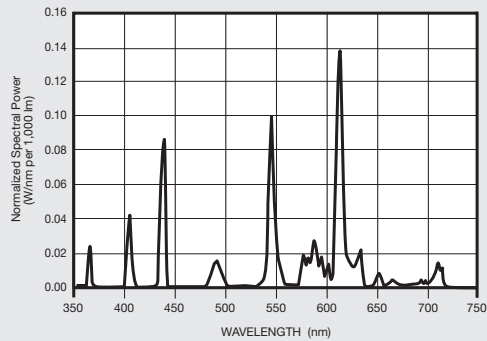
Typical Fluorescent Lamp Mortality*



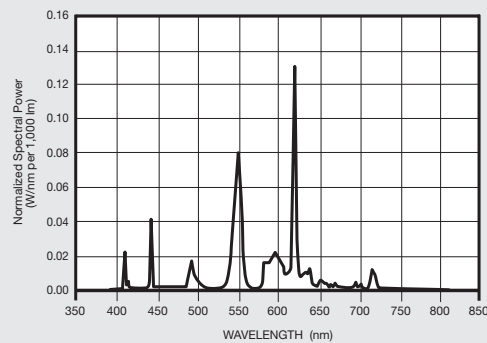
Lumen Maintenance Curve*



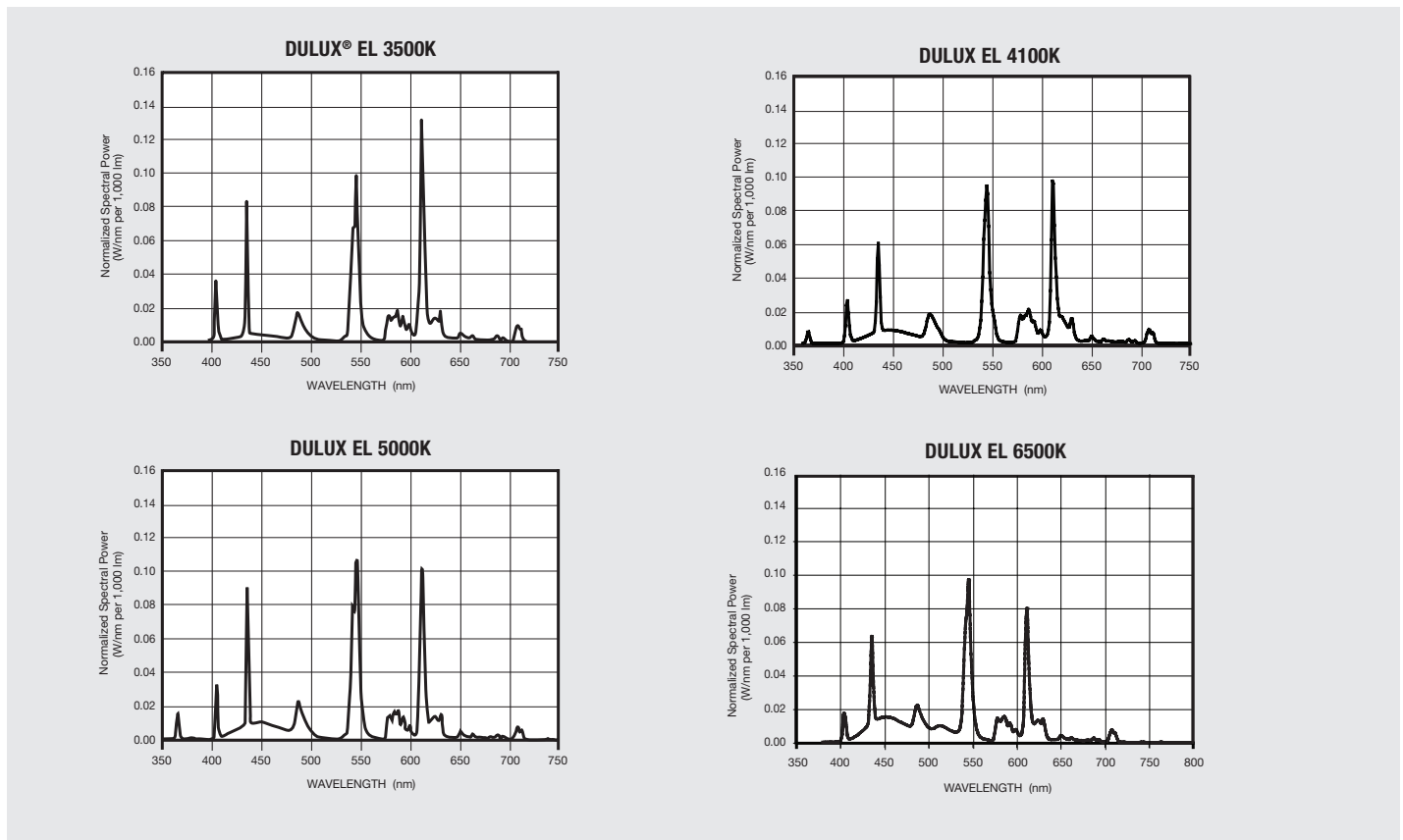
DULUX® EL 2700K



DULUX EL 3000K



Technical Information



Sample Specification

Lamps shall be a DULUX EL Micro-Mini Twist (5, 10, 13, 20, 23 or 26W). Lamp shall have a correlated color temperature of 2700K, 3000K, 3500K or 6500K and a CRI of 82. Average rated lamp life shall be 10,000, 12,000 or 15,000 hours. Lamp MOL shall not exceed 3.54" (10W), 3.70" (13W), 4.29" (20W), 4.45" (23W) and 4.5" (26W). The lamps shall be TCLP-compliant.

Lamp shall be a DULUX EL Mini Twist or Super Mini Twist (7, 11, 13, 19 or 23W). Lamp shall have a correlated color temperature of (2700K, 3000K, 3500K, 4100K, 5000K or 6500K) and a CRI of 82. Average rated lamp life shall be (8,000, 10,000, 12,000 or 15,000) hours.

Lamp shall be a DULUX EL Dimmable Twist (14 or 24 W). Lamp shall have a correlated color temperature of 2700K and a CRI of 82. Average rated life 8,000 hours.

Lamp shall be a DULUX EL 30, 40 or 65 Watt Twist electronic compact fluorescent lamp. Lamps shall have a 2.1" (30, 40 or 65W) base diameter. Lamp shall have a correlated color temperature of (2700K, 3000K, 3500K or 4100K) and a CRI of 82. Average rated lamp life shall be (8,000 or 10,000) hours.

Lamp shall be a DULUX EL 13 or 23 Watt Twist electronic compact fluorescent lamp with GU24 base. Lamps shall have a 3.95" (13 W) or 4.36" (23W) maximum overall length. Lamp shall have a correlated color temperature of 2700K and a CRI of 82. Average rated lamp life shall be 8,000 hours.

* Not a specification or standard. Actual results may vary

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