

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 including: Twist, Mini Twist, Super Mini Twist and 3-Way Twists. 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. The Colored Mini Twist lamps are ideal for holiday decorations and festive celebrations.

The industry exclusive Micro LED Night Light combines a Micro-Mini T2 CFL with an LED night light and has the same small size as a 23W Micro-Mini. The Dimmable Twists offer smooth dimming down to 20% of rated light output.

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

Key Features & Benefits

- Energy saving alternative to incandescent lamps saves up to 75% energy compared to similar lumen output incandescent
- Variety of medium base shapes and wattages to satisfy most applications
- Long life: 6,000 – 12,000 hour average rated life
- Flicker-free starting
- Micro-Mini LED Night Light configuration now available
- Micro-Mini configurations are TCLP-compliant
- Increased energy savings with dimmable 14W and 24W twists
- Colored twists available in red, yellow, green, blue and blacklight blue
- 82 CRI
- Available in a variety of color temperatures:
 - 2700K
 - 3000K
 - 3500K
 - 4100K
 - 5000K
 - 6500K

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.

Product Offering

Lamp Type	Wattage
Micro-Mini Twist	5W, 10W, 13W, 20W, 23W, 26W
Super Mini Twist	7W, 11W, 13W, 19W, 23W
Mini Twist	4W, 7W, 11W, 13W, 19W, 23W
Micro LED Night Light	23W
Twist	27W, 30W, 40W, 65W
Twist GU24	13W, 23W
3-Way Twist	12/19/28W, 12/22/33W, 20/30/40W
Colored Mini Twist	13W (red, yellow, green, blue, orange and blacklight blue)
Dimmable Twist	14W, 24W

Application Information

Applications

- Ceiling fixtures
- Chandeliers
- Decorative & vanity fixtures
- Difficult to service areas
- Recessed downlights
- Sconces
- Security lighting
- Table lamps

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	
Comments	
Prepared by	Date

Ordering Information

Item Number	Ordering Abbreviation	Pkg.	Bulb Type	Base	Nominal Wattage	Incan-descent Wattage	Initial Lumens	Color/Color Temp.	CRI	Avg. Rated Life (hrs.)	
Micro-Mini Twist*	29160	CF5EL/MICRO/827/RP2	2/box, 12/cs	Micro-Mini	Medium	5	25	200	2700K	82	12,000
	29133	CF5EL/MICRO/827/C	1/box, 6/cs	Micro Mini	Candelabra	5	25	200	2700K	82	12,000
	29401	CF10EL/MICRO/827/RP2	2/box, 12/cs	Micro-Mini	Medium	10	40	600	2700K	82	12,000
	29727	CF13EL/MICRO/827/RP2	2/box, 12/cs	Micro-Mini	Medium	13	60	825	2700K	82	12,000
	29898	CF13EL/MICRO/830/ECO	1/box, 6/cs	Micro-Mini	Medium	13	60	800	3000K	82	12,000
	29734	CF13EL/MICRO/C/827/RP2	2/box, 12/cs	Micro-Mini	Candelabra	13	60	800	2700K	82	12,000
	29728	CF20EL/MICRO/827/RP2	2/box, 12/cs	Micro-Mini	Medium	20	75	1,280	2700K	82	12,000
	29899	CF20EL/MICRO/830/ECO	1/box, 6/cs	Micro-Mini	Medium	20	75	1,280	3000K	82	12,000
	29895	CF23EL/MICROLED/827/RP***	1/box, 6cs	Micro-Mini	Medium	23	100	1,600	2700K	82	12,000
	29901	CF23EL/MICRO/827/ECO	1/box, 6/cs	Micro-Mini	Medium	23	100	1,600	2700K	82	12,000
	29941	CF23EL/MICROLED/827/HVP/RP	6/cs 1/SKU	Micro-Mini	Medium	23	100	1,600	2700K	82	12,000
	29729	CF23EL/MICRO/827/RP2	2/box, 12/cs	Micro-Mini	Medium	23	100	1,600	2700K	82	12,000
	29026	CF26EL/MICRO/827/RP2	2/box, 12/cs	Micro-Mini	Medium	26	100	1,750	2700K	82	12,000
Super Mini Twist	29707	CF7EL/SUPER/827/RP	1/box, 6/cs	Super Mini Twist	Medium	7	25	375	2700K	82	10,000
	29708	CF11EL/SUPER/827/RP	1/box, 6/cs	Super Mini Twist	Medium	11	40	600	2700K	82	10,000
	29710	CF13EL/SUPER/827/RP	1/box, 6/cs	Super Mini Twist	Medium	13	60	880	2700K	82	10,000
	29588	CF13EL/SUPER/850/BL	1/blister, 10/cs	Super Mini Twist	Medium	13	60	880	5000K	82	10,000
	29717	CF13EL/SUPER/865/BL	1/blister, 6/cs	Super Mini Twist	Medium	13	60	880	6500K	82	10,000
	29693	CF19EL/SUPER/827/RP	1/box, 12/cs	Super Mini Twist	Medium	19	75	1,200	2700K	82	10,000
	29683	CF19EL/SUPER/850/RP	1/box, 6/cs	Super Mini Twist	Medium	19	75	1,200	5000K	82	10,000
	29720	CF19EL/SUPER/865/BL	1/blister, 6/cs	Super Mini Twist	Medium	19	75	1,200	6500K	82	10,000
	29712	CF23EL/SUPER/827/RP	1/box, 12/cs	Super Mini Twist	Medium	23	100	1,600	2700K	82	10,000
	29714	CF23EL/SUPER/835/BL	1/blister, 6/cs	Super Mini Twist	Medium	23	100	1,600	3500K	82	10,000
	29699	CF23EL/SUPER/850/RP	1/box, 6/cs	Super Mini Twist	Medium	23	100	1,600	5000K	82	10,000
	29674	CF23EL/SUPER/865/RP	1/box, 6/cs	Super Mini Twist	Medium	23	100	1,600	6500K	82	10,000
Mini Twist	29733	CF4EL/MINI/830/RP	1/box, 12/cs	Mini Twist	Medium	4	25	250	3000K	82	8,000
	29379	CF7EL/MINI/830	1/box, 6/cs	Mini Twist	Medium	7	25	375	3000K	82	8,000
	29451	CF7EL/MINI/827	1/box, 6/cs	Mini Twist	Medium	7	25	375	2700K	82	8,000
	29378	CF11EL/MINI/830	1/box, 6/cs	Mini Twist	Medium	11	40	600	3000K	82	8,000
	29409	CF13EL/MINI/827	1/box, 6/cs	Mini Twist	Medium	13	60	800	2700K	82	10,000
	29376	CF13EL/MINI/830	1/box, 6/cs	Mini Twist	Medium	13	60	800	3000K	82	8,000
	29781	CF13EL/MINI/835/DAY/RP	1/box, 6/cs	Mini Twist	Medium	60	13	800	3500K	82	8,000
	29567	CF13EL/MINI/841	1/box, 6/cs	Mini Twist	Medium	13	60	800	4100K	82	10,000
	29700	CF13EL/MINI/O	1/box, 6/cs	Mini Twist	Medium	13	60	–	Orange	–	8,000
	29701	CF13EL/MINI/R	1/box, 6/cs	Mini Twist	Medium	13	60	–	Red	–	8,000
	29702	CF13EL/MINI/B	1/box, 6/cs	Mini Twist	Medium	13	60	–	Blue	–	8,000
	29703	CF13EL/MINI/G	1/box, 6/cs	Mini Twist	Medium	13	60	–	Green	–	8,000
	29704	CF13EL/MINI/Y	1/box, 6/cs	Mini Twist	Medium	13	60	–	Yellow	–	8,000
	29705	CF13EL/MINI/BLB	1/box, 6/cs	Mini Twist	Medium	13	60	–	Blacklight Blue	–	8,000
	29608	CF13EL/MINI/C/830	1/box, 6/cs	Mini Twist	Candelabra	13	60	800	3000K	82	8,000
	29410	CF19EL/MINI/827	1/box, 6/cs	Mini Twist	Medium	19	75	1,200	2700K	82	10,000
	29396	CF19EL/MINI/830	1/box, 6/cs	Mini Twist	Medium	19	75	1,200	3000K	82	8,000
	29411	CF23EL/MINI/827	1/box, 6/cs	Mini Twist	Medium	23	100	1,600	2700K	82	10,000
	29397	CF23EL/MINI/830	1/box, 6/cs	Mini Twist	Medium	23	100	1,600	3000K	82	8,000
	29784	CF23EL/MINI/835/DAY/RP	1/box, 6/cs	Mini Twist	Medium	23	100	1,600	3500K	82	8,000
	29564	CF23EL/MINI/841	1/box, 6/cs	Mini Twist	Medium	23	100	1,600	4100K	82	10,000
	29793	CF30EL/MINI/835/DAY/RP	1/box, 6/cs	Mini Twist	Medium	30	100	2,000	3500K	82	8,000

Ordering Information (continued)

Item Number	Ordering Abbreviation	Pkg.	Bulb Type	Base	Nominal Wattage	Incan- descent Wattage	Initial Lumens	Color/ Color Temp.	CRI	Avg. Rated Life (hrs.)	
Twist	29969	CF14EL/TWIST/827/DIM/RP	1/box,6/cs	Twist	Medium	14	60	800	2700K	82	8,000
	29968	CF24EL/TWIST/827/DIM/RP	1/box,6/cs	Twist	Medium	24	75	1,500	2700K	82	8,000
	29412	CF27EL/TWIST/827	1/box, 6/cs	Twist	Medium	27	100	1,750	2700K	82	10,000
	29415	CF30EL/TWIST/827	1/box, 6/cs	Twist	Medium	30	100	2,000	2700K	82	10,000
	29792	CF30EL/TWIST/827/RP	1/box, 6/cs	Twist	Medium	30	100	2,000	2700K	82	8,000
	29395	CF30EL/TWIST/830	1/box, 6/cs	Twist	Medium	30	100	2,000	3000K	82	10,000
	29147	CF40EL/TWIST/827**	1/box, 6/cs	Twist	Medium	40	150	2,600	2700K	82	8,000
	29786	CF40EL/TWIST/827/RP**	1/box, 6/cs	Twist	Medium	40	150	2,600	2700K	82	10,000
	29158	CF40EL/TWIST/830	1/box, 6/cs	Twist	Medium	40	150	2,600	3000K	82	10,000
	29508	CF65EL/TWIST/841	1/box, 6/cs	Twist	Medium	65	200	4,200	4100K	82	8,000
	29957	CF13EL/TWIST/GU24/827/RP	1/box, 6/cs	Twist	GU24	13	60	800	2700K	82	8,000
	29172	CF23EL/TWIST/GU24/827/RP	1/box, 6/cs	Twist	GU24	23	100	1,600	2700K	82	8,000
	29162	CF13EL/TWIST/GU24/830/BL	1/box, 10/cs	Twist	GU24	13	60	800	3000K	82	8,000
	29163	CF23EL/TWIST/GU24/830/BL	1/box, 10/cs	Twist	GU24	23	100	1,600	3000K	82	8,000
	3-Way Twist	29523	CF28EL/3WAY/TWIST/827	1/box, 6/cs	Twist	Medium	12	30	600	2700K	82
Twist					Medium	19	70	1,100	2700K	82	8,000
Twist					Medium	28	100	1,800	2700K	82	8,000
29351		CF28EL/3WAY/TWIST/830	1/box, 6/cs	Twist	Medium	12	30	600	3000K	82	8,000
				Twist	Medium	19	70	1,100	3000K	82	8,000
				Twist	Medium	28	100	1,800	3000K	82	8,000
29785		CF28EL/3WAY/TWIST/827/RP	1/box,6/cs	Twist	Medium	12	30	600	2700K	82	8,000
				Twist	Medium	19	70	1,100	2700K	82	8,000
				Twist	Medium	28	100	1,800	2700K	82	8,000
29913		CF33EL/3WAY/830/RP	1/box, 6/cs	Twist	Medium	12	50	600	3000K	82	8,000
				Twist	Medium	22	100	1,600	3000K	82	8,000
				Twist	Medium	33	150	2,000	3000K	82	8,000
29134		CF40EL/3WAY/TWIST/827	1/box, 6/cs	Twist	Medium	60	20	1,000	2700K	82	10,000
						120	30	2,050			
						150	40	2,650			

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

* T2 tube diameter

**Designed for base down orientation only

***2W during LED night light operation

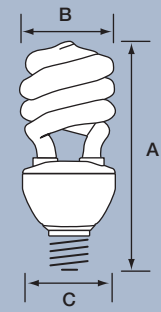
Lamp Comparison

DULUX® EL	Compact Fluorescent Lumens	Compact Fluorescent Life	Similar Incandescent	Incandescent Lumens	Incandescent Life	Watts Saved	Energy ¹ Savings	CFL Life vs. Incandescent
CF5EL/MICRO	300	12,000	25A/W	270	1000	20	\$24	12 x
CF10EL/MICRO	600	12,000	40A/W	465	1500	30	\$36	8 x
CF13EL/MICRO	825	12,000	60A/W	850	1000	47	\$56	12 x
CF20EL/MICRO	1280	12,000	75A/W	1,170	750	56	\$67	13 x
CF23EL/MICRO	1,600	12,000	100A/W	1,690	750	77	\$92	13 x
CF26EL/MICRO	1750	12,000	100A/W	1,750	750	74	\$88	13 x
CF13EL/SUPER	880	10,000	60A/W	850	1000	47	\$47	10 x
CF19EL/SUPER	1,200	10,000	75A/W	1,170	750	56	\$44	11 x
CF23EL/SUPER	1,600	10,000	100A/W	1,690	750	77	\$77	13 x
CF4EL/MINI	250	8,000	25A/W	270	1000	21	\$16	8 x
CF7EL/MINI	375	8,000	25A/W	160	2500	18	\$14	3 x
CF11EL/MINI	600	8,000	40A/W	465	1500	29	\$23	5 x
CF13EL/MINI	800	8,000	60A/W	850	1000	47	\$37	8 x
CF13EL/MINI	800	10,000	60A/W	850	1000	47	\$47	10 x
CF19EL/MINI	1,200	8,000	75A/W	1,170	750	56	\$44	11 x
CF19EL/MINI	1,200	10,000	75A/W	1,170	750	56	\$56	13 x
CF23EL/MINI	1,600	8,000	100A/W	1,690	750	77	\$61	11 x
CF23EL/MINI	1,600	10,000	100A/W	1,690	750	77	\$77	13 x
CF14EL/TWIST/DIM	800	8,000	60A/W	850	1000	46	\$36	8 x
CF24EL/TWIST/DIM	1500	8,000	75A/W	1,170	750	51	\$40	11 x
CF27EL/TWIST	1750	10,000	100A/W	1,690	750	56	\$44	11 x
CF30EL/TWIST	2000	8,000	100A/W	1,690	750	70	\$42	8 x
CF40EL/TWIST	2600	8,000	150A/W	2640	750	110	\$88	11 x
CF65EL/TWIST	4200	8,000	250A/W	3800	1000	185	\$148	8 x
CF13EL/GU24/TWIST	800	8,000	60A/W	850	600	47	\$37	8 x
CF23EL/GU24/TWIST	1,600	8,000	100A/W	1,690	750	77	\$61	11 x
CF28EL/3WAY/TWIST (12W)	600	8,000	30A/W	270	750	18	\$14	10 x
CF28EL/3WAY/TWIST (19W)	1100	8,000	70A/W	860	750	51	\$40	10 x
CF28EL/3WAY/TWIST (28W)	1800	8,000	30A/W	1,130	750	72	\$57	10 x
CF33EL/3WAY (12W)	600	8,000	100A/W	800	750	38	\$30	5 x
CF33EL/3WAY (22W)	1,600	8,000	100A/W	1,690	750	78	\$62	5 x
CF33EL/3WAY (33W)	2000	8,000	150A/W	2,640	750	117	\$93	5 x
CF40EL/3WAY (20W)	1000	10,000	60A/W	850	600	40	\$40	16 x
CF40EL/3WAY (30W)	2050	10,000	120A/W	2,000	750	90	\$90	16 x
CF40EL/3WAY (40W)	2650	10,000	150A/W	2,640	750	110	\$110	16 x

¹Energy savings over life of DULUX EL lamp at \$0.10/kWh

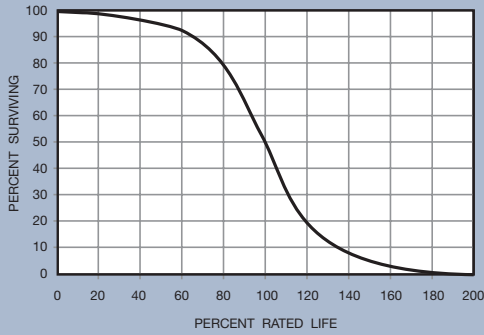
Lamp Dimensions

	(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	3.61	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	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
CF4EL/MINI	3.10	1.58	1.26
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
CF27EL/TWIST	6.10	2.28	2.17
CF30EL/TWIST	5.13	2.50	2.17
CF40EL/TWIST	5.25	2.69	2.06
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
CF28/3WAY/TWIST	5.75	2.60	2.17
CF33EL/3WAY/TWIST	5.28	2.55	2.50
CF40EL/3WAY/TWIST	5.5	2.8	2.5

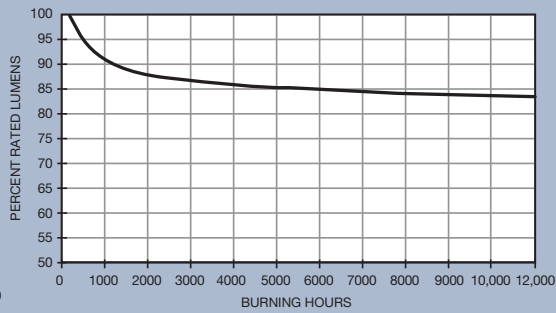


Technical Information

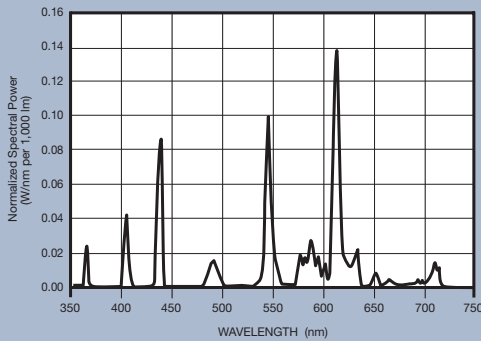
Typical Fluorescent Lamp Mortality*



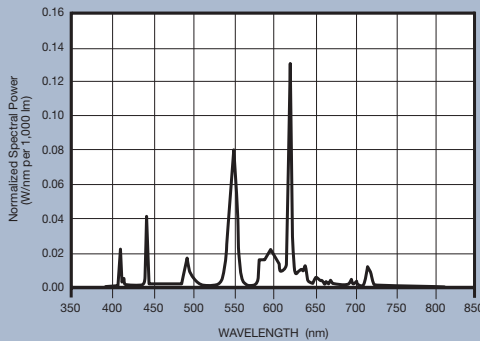
Lumen Maintenance Curve*



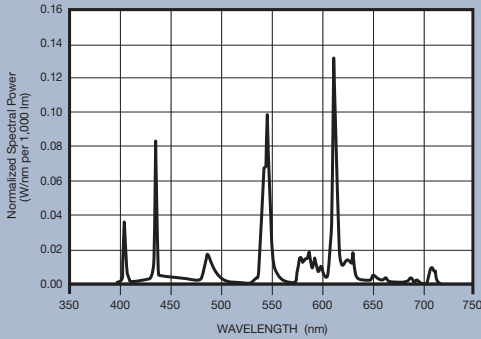
DULUX EL 2700K



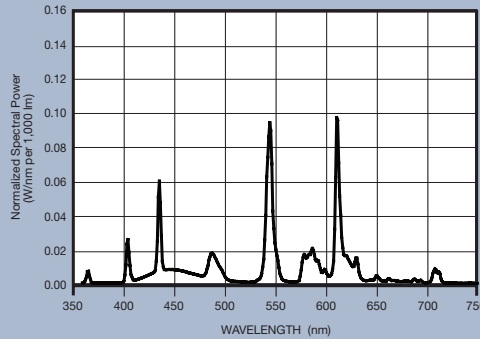
DULUX EL 3000K



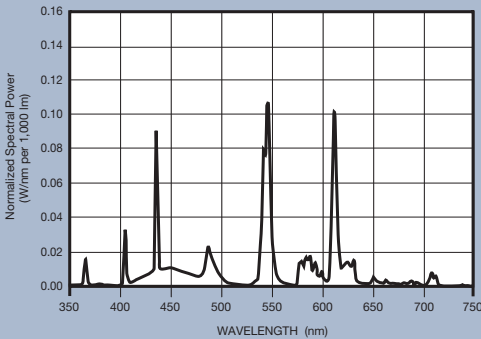
DULUX EL 3500K



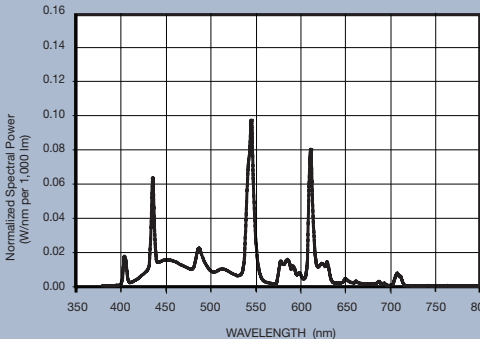
DULUX EL 4100K



DULUX EL 5000K



DULUX EL 6500K



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

Sample Specification

Lamps shall be a DULUX EL Micro-Mini Twist (10, 13, 20, 23 or 26W). Lamp shall have a correlated color temperature of 2700K or 3000K and a CRI of 82. Average rated lamp life shall be 12,000 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 23W Micro LED Night Light with a maximum overall length of 4.45" and a CCT of 2700K and a CRI of 82. Lamps shall be T2 tube diameter, TCLP compliant and have an average rated life of 12,000 hours.

Lamp shall be a DULUX EL Mini Twist or Super Mini Twist (7, 11, 13, 19 or 23 Watt). 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 (6000, 8,000 or 10,000) hours.

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

Lamp shall be a Colored 13W DULUX EL Mini Twist and have colors red, yellow, green, orange, blue or blacklight blue. The lamps shall have an average rated life of 8,000 hours.

Lamp shall be a DULUX® EL 27, 30, 40 or 65 Watt Twist electronic compact fluorescent lamp. Lamps shall have a 2.05" (30 Watt Twist) or 2.1" (27, 30, 40 or 65 Watt Twist) 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 (6000, 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 Watt) or 4.36" (23W) maximum overall length. Lamp shall have a correlated color temperature of 3000K 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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