

DULUX® DT/E/C

4-Pin Amalgam Compact Fluorescent Lamps



SYLVANIA DULUX DT/E/C industry exclusive amalgam compact fluorescent lamp is ideal for use in a wide range of high temperature applications.

DULUX DT/E/C amalgam lamps are ideal for enclosed, exterior and small fixtures. The lamps have improved amalgam technology and higher temperature rated components. This lamp has the next generation composite (metal/plastic) base cap which has been designed to exceed IEC safety requirements.

- Improved high temperature performance
 - Maintains 90% lumens from 60°F to 175°F ambient
- Latest generation higher temperature rated composite (metal/plastic) base cap
- Designed to exceed IEC safety requirements*
- Extended range of color temperatures: 3500K, 4100K and 5000K with improved color consistency
- Operates on various ballast systems
 - Flicker free start on electronic ballasts
 - Compatible with QUICKTRONIC® System CF
- Less power consumption than incandescent of comparable light output
- High luminous efficacy
- Long 12,000 hour average rated life
 - Reduces relamping requirement and related cost
- Rare earth tri-phosphor with 82 CRI



* Regulations may vary. Check your local and state regulations.

Product Availability

Lamp	Wattage	Rated Lumens
CF42 DT/E/C	42	3200

System Comparison

Compact Fluorescent vs Incandescent

Lamp Type	Rated Lamp Life	System Lumens	System Wattage	System LPW	Energy ¹ Savings
150W Incandescent	750 hrs.	2740	150W	18.5	–
DULUX DT/E/C	12,000 hrs.	3200	46W	70	\$124.00

1. Based on \$.10/kWh over 12,000 hours.

Application Information

Applications

- Recessed ceiling fixtures, enclosed exterior fixtures
- Industrial lighting
- Showcase lighting
- Wall sconces
- Task lighting
- Exit signs
- Garden and walkway lighting

Fixtures

Contact your local fixture agent for available fixtures.

Ballast Information

Contact your OSRAM SYLVANIA representative for a list of compatible operating systems.

Application Notes

1. 4-Pin lamps designed for electronic ballast operation. Not recommended for dimming.
2. Recommended for use with ballasts that operate the lamp in compliance with ANSI/IEC specifications.
3. Minimum starting temperature depends on ballast.
4. Rule of thumb: to estimate the appropriate compact fluorescent lamp wattage, divide the incandescent wattage by 4.
5. Equipment manufacturers are advised to consult ANSI and IEC standards for the maximum allowable dimensions and temperature to ensure compatibility with similar products.

Sample Specification

Lamp(s) shall be (a) DULUX® (DT/E/C) lamp(s) that pass existing Federal TCLP limits. Lamp(s) shall have an average rated life of 12,000 hours, a correlated color temperature of (3500K, 4100K or 5000K), and a CRI of 82. Lamps shall have a (GZ24q-4) plug-in, 4-pin base and be suitable for use on electronic ballasts. Lamps shall be operated by QUICKTRONIC ballasts. Both lamps and ballasts are covered by the QUICK 60+® system warranty.

Warranty Information

QUICK 60+ warranty for OSRAM SYLVANIA lamp and ballast combination

Limited 6 month lamp warranty and a five year ballast warranty is possible if both lamps and ballasts are provided by OSRAM SYLVANIA. See the QUICK 60+ warranty for details and restrictions.

Ordering and Specification Information

Item Number	Ordering Abbreviation	NEMA Generic Designation	Base	Watts	Volts ¹	Amps ¹	Initial Lumens	Mean Lumens ²	Color Temp.	CRI	Av. Rated Life(hrs.) ³
20566	CF42 DT/E/C/835	CFM42W/GZ24q/35	GZ24q-4*	42	135	0.320	3200	2752	3500K	82	12,000
20851	CF42 DT/E/C/841	CFM42W/GZ24q/41	GZ24q-4*	42	135	0.320	3200	2752	4100K	82	12,000
20866	CF42 DT/E/C/850	CFM42W/GZ24q/50	GZ24q-4*	42	135	0.320	3200	2752	5000K	82	12,000

*Base compatible with new proposed high temperature socket and with GX24q-4 socket.

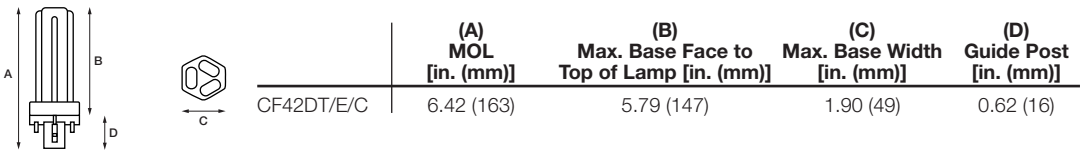
1. @ 25 KHz
2. Measured at 40% (4800 hours) of rated life.
3. Based on 3 hours per start. Number of operating hours when half have failed and half are still operating.

Contact your SYLVANIA sales representative for product availability.

Ordering Guide

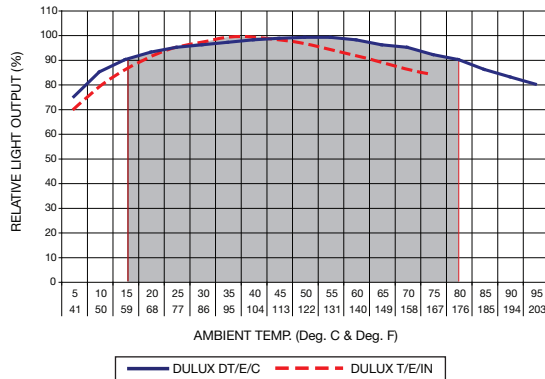
CF	42	DT	/	E	/	C	/	835
Compact Fluorescent	Wattage	DULUX Triple		For electronic ballasts		Constant luminous flux		82 CRI 35 = 3500K 41 = 4100K 50 = 5000K

Dimensions



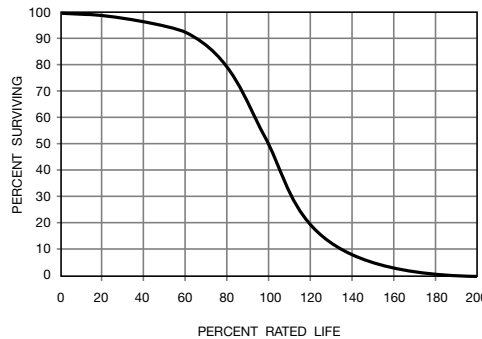
Technical Information

Relative Light Output vs Ambient Temperature*



* Graph measured in base-up orientation and at rated lamp current

Typical Fluorescent Lamp Mortality



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