

OCTRON® 800 ECOLOGIC®

Fluorescent Lamps

OCTRON 800 ECOLOGIC T8 lamps offer a high quality solution for general purpose fluorescent lighting applications where color is important. These lamps are available in a wide range of color temperatures that feature improved color rendering and lumen maintenance when compared to 700 series lamps. When paired with electronic ballasts, these systems are a good alternative to T12 fluorescent systems.

Benefits and Features

- Passes Federal TCLP test*
- Energy efficient T8 lamp
- Lead-free
- RoHS compliant
- Compatible with electronic ballasts
- NLB Trusted Warranty

Application Usage

- Cove
- Recessed troffer
- Strip light fixture
- Valance



Product Offering

Ordering Abbreviation	Watts	Lumens	CRI
F017/800/ECO	17	1350	82
F025/800/ECO	25	2150	82
F032/800/ECO	32	2925	85
F040/800/ECO	40	3650	82
F096/800/ECO	59	5900	82

ECOLOGIC® is a comprehensive program focused on addressing environmental issues at all stages of lamp life.

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



Specification Data

Catalog #	Type
Project	
Comments	
Prepared by	

Ordering Guide

F0	XX	/	8	XX	/	ECO
Product Name	Wattage		CRI	CCT		ECOLOGIC
Fluorescent	17, 25, 32,		8 = 80-85 CRI	30 = 3000K		
OCTRON	40 or 59 watts			35 = 3500K		
				41 = 4100K		
				50 = 5000K		
				65 = 6500K		

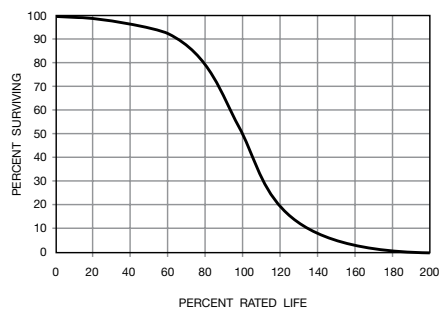
Ordering Information

Item Number	Ordering Abbreviation	Nominal Length (in)	Initial Lumens (lm)	Mean Lumens ¹ (lm)	Average Rated Life Instant Start		Average Rated Life Programmed Rapid Start		CCT	CRI
					3 hrs/start	12 hrs/start	3 hrs/start	12 hrs/start		
22135	F017/830/ECO	24	1350	1270	24,000	28,000	30,000	36,000	3000K	82
22136	F017/835/ECO	24	1350	1270	24,000	28,000	30,000	36,000	3500K	82
22137	F017/841/ECO	24	1350	1270	24,000	28,000	30,000	36,000	4100K	82
22138	F025/830/ECO	36	2150	2020	24,000	28,000	30,000	36,000	3000K	82
22139	F025/835/ECO	36	2150	2020	24,000	28,000	30,000	36,000	3500K	82
22140	F025/841/ECO	36	2150	2020	24,000	28,000	30,000	36,000	4100K	82
21777	F032/830/ECO	48	2925	2750	21,000	30,000	30,000	36,000	3000K	85
21779	F032/835/ECO	48	2925	2750	21,000	30,000	30,000	36,000	3500K	85
21781	F032/841/ECO	48	2925	2750	21,000	30,000	30,000	36,000	4100K	85
22143	F032/850/ECO	48	2925	2750	21,000	30,000	30,000	36,000	5000K	80
24811	F032/865/ECO	48	2850	2680	21,000	30,000	30,000	36,000	6500K	80
22144	F040/830/ECO	60	3650	3430	24,000	28,000	30,000	36,000	3000K	82
22145	F040/835/ECO	60	3650	3430	24,000	28,000	30,000	36,000	3500K	82
22146	F040/841/ECO	60	3650	3430	24,000	28,000	30,000	36,000	4100K	82
22148	F096/835/ECO	96	5900	5430	18,000	24,000	—	—	3500K	82
22149	F096/841/ECO	96	5900	5430	18,000	24,000	—	—	4100K	82
22173	F096/850/ECO	96	5900	5430	18,000	24,000	—	—	5000K	82

1. Mean Lumens measured at 40% of rated life.

Technical Information

Typical Fluorescent Lamp Mortality



Sample Specification

Lamp(s) shall be an OCTRON® ECOLOGIC® lamp(s) (FO17/ECO, FO25/ECO, FO32/ECO, FO40/ECO and FO96/ECO) having medium bi-pin bases. Lamp(s) shall be designed to pass the Federal TCLP test in force at the time of manufacture. Lamp(s) shall have a correlated color temperature of (3000K, 3500K, 4100K, 5000K or 6500K) and a CRI of (80, 82 or 85). The OCTRON lamp(s) shall be operated on dedicated electronic ballast(s).

Application Notes

1. Lamps starting down to -20°F (dependent on ballast).
2. Operation below 50°F may affect lumen output or lamp operation.
3. For cold temperature applications, use in enclosed fixture or use tube guard to maximize lamp performance.
4. For rapid start operation, check with ballast manufacturer for ground plane requirement.
5. For maximum energy savings, operate on electronic instant start ballast.

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