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[Products](#) > 16089**16089 – F32T8XLSPX65ECO**

GE Ecolux® Starcoat® T8

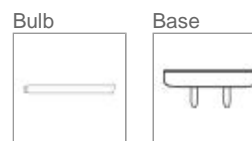


- Passes TCLP, which can lower disposal costs.

High Color Rendering

GENERAL CHARACTERISTICS

Lamp type	Linear Fluorescent - Straight Linear
Bulb	T8
Base	Medium Bi-Pin (G13)
Wattage	32
Voltage	137
Rated Life	36000 hrs
Rated Life (instant start) @ Time	25000 h @ 3 h 36000 h @ 12 h
Rated Life (rapid start) @ Time	36000 h @ 3 h 42000 h @ 12 h
Bulb Material	Soda lime
Starting Temperature (MIN)	10
LEED-EB MR Credit	44 picograms Hg per mean lumen hour
Additional Info	TCLP compliant

[View Larger](#)**PHOTOMETRIC CHARACTERISTICS**

Initial Lumens	2750
Mean Lumens	2475
Nominal Initial Lumens per Watt	85
Color Temperature	6500 K
Color Rendering Index (CRI)	85
S/P Ratio (Scotopic/Photopic Ratio)	2.3

ELECTRICAL CHARACTERISTICS

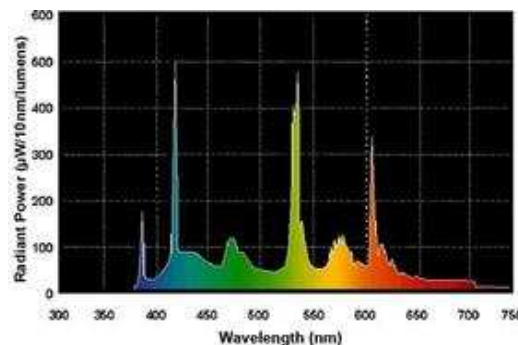
Open Circuit Voltage (rapid start) Min @ Temperature	315 V @ 10 °C
Cathode Resistance Ratio - Rh/Rc (MIN)	4.25
Cathode Resistance Ratio - Rh/Rc (MAX)	6.5
Current Crest Factor (MAX)	1.7

DIMENSIONS

Maximum Overall Length (MOL)	47.7800
Minimum Overall Length	47.6700

ADDITIONAL RESOURCES

- [Catalogs](#)
- [Testimonials](#)
- [MSDS \(Material Safety Data Sheets\)](#)
- [Disposal Policies & Recycling Information](#)

GRAPHS & CHARTS**Spectral Power Distribution****Lamp Mortality**

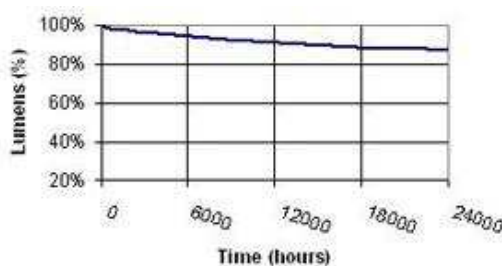
Nominal Length	48
Bulb Diameter (DIA)	1
Bulb Diameter (DIA) (MIN)	0.940
Bulb Diameter (DIA) (MAX)	1.100
Max Base Face to Base Face (A)	47.220
Face to End of Opposing Pin (B) (MIN)	47.400
Face to End of Opposing Pin (B) (MAX)	47 1/2
End of Base Pin to End of Opposite Pin End (C)	47.670

PRODUCT INFORMATION

Product Code	16089
Description	F32T8XLSPX65ECO
ANSI Code	1005-2
Standard Package	Case
Standard Package GTIN	10043168160893
Standard Package Quantity	36
Sales Unit	Unit
No Of Items Per Sales Unit	1
No Of Items Per Standard Package	36
UPC	043168160896

COMPATIBLE GE BALLASTS

Product Code	Description	# of Bulbs	Power Factor	Ballast Factor
80353	B132R120V5	1	90.0	0.88
80355	B232SR120V5	2	90.0	0.88
80362	B232SR277S50	2	90.0	0.88
80356	B232SR277V5	2		0.88
80357	B332SR120V5	3	90.0	0.88
80358	B332SR277V5	3	90.0	0.88
23680	GE-132-120-N	1	99.0	0.87
24161	GE-132-120-N-84T	1	99.0	0.87
23681	GE-132-277-N	1	99.0	0.87
24162	GE-132-277-N-84T	1	99.0	0.87
72258	GE132MAX-L/ULTRA	1	99.0	0.77
72259	GE132MAX-N/ULTRA	1	99.0	0.87
72269	GE-132-MV-N	1	99.0	0.87
30189	GE-132-MV-N	1	99.0	0.87
72270	GE-132-MV-N-42T	1	99.0	0.87
74101	GE132-N-347	1	97.0	0.87
74102	GE132-N-347-T	1	97.0	0.87
23671	GE-232-120-N	1	99.0	0.94
24163	GE-232-120-N-84T	1	99.0	0.94
97782	GE232-120-RES	1	48.0	0.99
71037	GE232-120RES-DIY	1	48.0	0.99
23672	GE-232-277-N	1	99.0	0.94

**Lumen Maintenance**

24164	GE-232-277-N-84T	1	99.0	0.94
74109	GE232MAX347-H	1	98.0	1.32
74110	GE232MAX347-H-T	1	98.0	1.32
74096	GE232MAX347-L	1	87.0	0.9
74093	GE232MAX347-N	1	97.0	1.02
47548	GE232MAX-H-42T	1	99.0	1.15
49775	GE232MAX-H/ULTRA	1	99.0	1.15
72263	GE232MAX-L-42T	1	99.0	0.77
72262	GE232MAX-L/ULTRA	1	99.0	0.77
71421	GE232MAX-N+	1	99.0	1.0
31052	GE232MAX-N-42T	1	99.0	0.87
72267	GE232MAX-N-42T	1	99.0	0.87
72264	GE232MAX-N/AMP	1	99.0	0.87
72265	GE232MAX-N/CTR	1	99.0	0.87
72268	GE232MAX-N-DIY	1	99.0	0.87
23940	GE232MAX-N-DIY	1	99.0	0.87
72266	GE232MAX-N/ULTRA	1	99.0	0.87
30198	GE-232-MV-H	1	99.0	1.34
30275	GE-232-MV-H-42T	1	99.0	1.34
30247	GE-232-MV-L	1	99.0	0.93
72273	GE-232-MV-L	1	99.0	0.93
72274	GE-232-MV-L-42T	1	99.0	0.93
72275	GE-232-MV-N	1	99.0	1.08
72276	GE-232-MV-N-42T	1	99.0	1.08
72277	GE232MV-N-DIY	1	99.0	1.08
29675	GE-232-MVPS-H	1	98.0	1.37
29651	GE-232-MV-PS-H-T	1	98.0	1.37
96720	GE232-MVPS-L	1	98.0	0.81
96714	GE232-MVPS-N	1	98.0	1.05
29671	GE-232-MVPS-XL	1	98.0	0.7
74103	GE232-N-347	2	99.0	1.03
74104	GE232-N-347-T	2	99.0	1.03
23673	GE-332-120-N	2	99.0	0.94
24165	GE-332-120-N-84T	2	99.0	0.94
29623	GE-332-120-PS-N	2	99.0	1.0
29633	GE-332-120PS-N-T	2	99.0	1.0
23674	GE-332-277-N	2	99.0	0.94
24166	GE-332-277-N-84T	2	99.0	0.94
74111	GE332MAX347-H	3	99.0	1.29
74112	GE332MAX347-H-T	3	99.0	1.29

74097	GE332MAX347-L	2	99.0	0.86
74094	GE332MAX347-N	2	99.0	0.98
71715	GE332MAX-H-42T	2	99.0	1.29
97713	GE332MAX-HSL84T	2	99.0	1.15
71714	GE332MAX-H/ULTRA	2	99.0	1.29
71718	GE332MAX-L-42T	2	99.0	0.89
71717	GE332MAX-L/ULTRA	2	99.0	0.89
71422	GE332MAX-N+	2	99.0	1.0
71721	GE332MAX-N-42T	2	99.0	0.97
31053	GE332MAX-N-42T	2	99.0	0.87
97657	GE332MAX-N/CTR	2	99.0	0.87
71720	GE332MAX-N/CTR	2	99.0	0.97
71722	GE332MAX-N-DIY	2	99.0	0.97
23941	GE332MAX-N-DIY	2	99.0	0.87
71719	GE332MAX-N/ULTRA	2	99.0	0.97
30199	GE-332-MV-H	2	99.0	1.27
30296	GE-332-MV-H-42T	2	99.0	1.27
30255	GE-332-MV-L	2	99.0	0.87
30192	GE-332-MV-N	2	99.0	0.96
30270	GE-332-MV-N-42T	2	99.0	0.96
97710	GE-332MV-N-DIY	2	99.0	0.96
29676	GE-332-MVPS-H	2	98.0	1.28
96721	GE332-MVPS-L	2	98.0	0.77
96715	GE332-MVPS-N	2	98.0	0.98
29672	GE-332-MVPS-XL	2	98.0	0.64
74105	GE332-N-347	2	99.0	0.97
74106	GE332-N-347-T	2	99.0	0.97
23675	GE-432-120-N	3	0.94	0.94
24167	GE-432-120-N-84T	3	99.0	0.94
29625	GE-432-120-PS-N	3	99.0	0.96
29635	GE-432-120PS-N-T	3	99.0	0.96
97783	GE432-120-RES	3	5.0	0.88
71038	GE432-120RES-DIY	3	5.0	0.88
23676	GE-432-277-N	3		0.94
74113	GE432MAX347-H	3	99.0	1.25
74114	GE432MAX347-H-T	3	99.0	1.25
74098	GE432MAX347-L	3	100.0	0.84
74095	GE432MAX347-N	3	99.0	0.94
71724	GE432MAX-H-42T	3	99.0	1.28
71723	GE432MAX-H/ULTRA	3	99.0	1.28

71726	GE432MAX-L-42T	3	99.0	0.88
71725	GE432MAX-L/ULTRA	3	99.0	0.88
71423	GE432MAX-N+	3	99.0	1.15
97658	GE432MAX-N/CTR	3	99.0	0.87
71728	GE432MAX-N/CTR	3	99.0	0.94
71730	GE432MAX-N-DIY	3	99.0	0.94
23942	GE432MAX-N-DIY	3	99.0	0.87
71727	GE432MAX-N/ULTRA	3	99.0	0.94
30219	GE-432-MV-H	3	99.0	1.24
30262	GE-432-MV-L	3	99.0	0.87
30193	GE-432-MV-N	3	99.0	0.93
30271	GE-432-MV-N-42T	3	99.0	0.93
97711	GE-432MV-N-DIY	3	99.0	0.93
29678	GE-432-MVPS-H	3	98.0	1.26
29657	GE-432-MV-PS-H-T	3	98.0	1.26
71832	GE432-MVPS-L	3	0.98	0.71
96716	GE432-MVPS-N	3	98.0	0.96
74107	GE432-N-347	3	99.0	0.95
74108	GE432-N-347-T	3	99.0	0.95
74117	GE632MAX-H90	6	0.99	1.25
71497	GE632MAX-H90-S60	6	0.99	1.25
71502	GE632MAXH90-S60T	6	0.99	1.25
74118	GE632MAX-H90-T	6	0.99	1.25
71731	GE632MAX-H90-V60	6	0.99	1.25
71732	GE632MAXH90-V60T	6	0.99	1.25
87125	GEM232T8RS120	2	98.0	0.94
87130	GEM232T8RS277	2	98.0	0.98
74119	GETR480/277-250W	1		
74120	GETR480/277-375W	1		

CAUTIONS & WARNINGS

[See list of cautions & warnings.](#)

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