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[Products](#) > 16090**16090 – F32T8/SP50/ECO**

GE Ecolux® Starcoat® T8



- Passes TCLP, which can lower disposal costs.

**High Color Rendering**  
Meets Federal Minimum Efficiency Standards

**GENERAL CHARACTERISTICS**

Lamp type	Linear Fluorescent - Straight Linear
Bulb	T8
Base	Medium Bi-Pin (G13)
Wattage	32
Voltage	137
Rated Life	20000 hrs
Rated Life (instant start) @ Time	20000 h @ 3 h 24000 h @ 12 h
Rated Life (rapid start) @ Time	24000 h @ 12 h
Bulb Material	Soda lime
Starting Temperature (MIN)	10 °C (50 °F)
Picograms of Mercury	76 picograms
Additional Info	TCLP compliant

**PHOTOMETRIC CHARACTERISTICS**

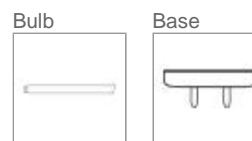
Initial Lumens	2750
Mean Lumens	2610
Nominal Initial Lumens per Watt	85
Color Temperature	5000 K
Color Rendering Index (CRI)	78
S/P Ratio (Scotopic/Photopic Ratio)	1.9

**ELECTRICAL CHARACTERISTICS**

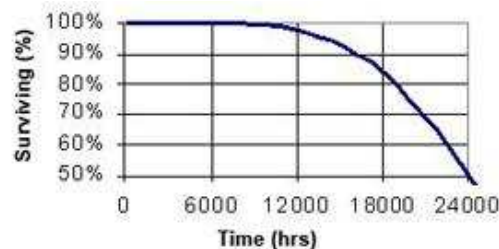
Open Circuit Voltage (rapid start) Min @ Temperature	315 V @ 10 °C
Cathode Resistance Ratio - Rh/Rc (MIN)	4.25
Cathode Resistance Ratio - Rh/Rc (MAX)	6.5
Current Crest Factor (MAX)	1.7

**DIMENSIONS**

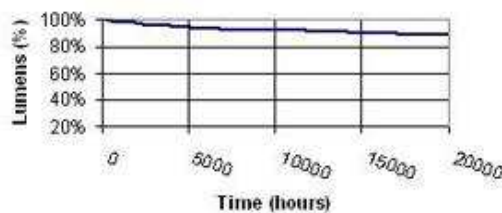
Maximum Overall Length (MOL)	47.7800 in (1213.6 mm)
Minimum Overall Length	47.6700 in (1210.8 mm)
Nominal Length	48.000 in (1219.2 mm)

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- Product Brochures
  - [Ecolux](#)
  - [Ecolux \(Environmental\)](#)
- Application/Segment Brochures
  - [Retail Lighting](#)
  - [Office Lighting](#)
  - [Healthcare Lighting](#)
  - [Contractor Lighting](#)

**MSDS (Material Safety Data Sheets)****Disposal Policies & Recycling Information****GRAPHS & CHARTS****Lamp Mortality****Lumen Maintenance**

Bulb Diameter (DIA)	1.000 in (25.4 mm)
Bulb Diameter (DIA) (MIN)	0.940 in (23.8 mm)
Bulb Diameter (DIA) (MAX)	1.100 in (27.9 mm)
Max Base Face to Base Face (A)	47.220 in (1199.3 mm)
Face to End of Opposing Pin (B) (MIN)	47.400 in (1203.9 mm)
Face to End of Opposing Pin (B) (MAX)	47.500 in (1206.5 mm)
End of Base Pin to End of Opposite Pin End (C)	47.670 in (1210.8 mm)



#### YOU MIGHT ALSO BE INTERESTED IN...

##### For Energy

[GE Ecolux® UltraMax™ Starcoat® T8](#)

Product code: 72867

- Passes TCLP, which can lower disposal costs.

[COMPARE](#)

\*Click on product for more specification details

#### PRODUCT INFORMATION

Product Code	16090
Description	F32T8/SP50/ECO
ANSI Code	1005-2
Standard Package	Case
Standard Package GTIN	10043168160909
Standard Package Quantity	36
Sales Unit	Unit
No Of Items Per Sales Unit	1
No Of Items Per Standard Package	36
UPC	043168160902

#### COMPATIBLE GE BALLASTS

Product Code	Description	# of Bulbs	Power Factor	Ballast Factor
<a href="#">80353</a>	B132R120V5	1	90.0	0.88
<a href="#">80355</a>	B232SR120V5	2	90.0	0.88
<a href="#">80362</a>	B232SR277S50	2	90.0	0.88
<a href="#">80356</a>	B232SR277V5	2		0.88
<a href="#">80357</a>	B332SR120V5	3	90.0	0.88
<a href="#">80358</a>	B332SR277V5	3	90.0	0.88
<a href="#">23680</a>	GE-132-120-N	1	99.0	0.87
<a href="#">24161</a>	GE-132-120-N-84T	1	99.0	0.87
<a href="#">23681</a>	GE-132-277-N	1	99.0	0.87
<a href="#">24162</a>	GE-132-277-N-84T	1	99.0	0.87
<a href="#">72258</a>	GE132MAX-L/ULTRA	1	99.0	0.77
<a href="#">72260</a>	GE132MAX-N-DIY	1	99.0	0.87
<a href="#">72259</a>	GE132MAX-N/ULTRA	1	99.0	0.87
<a href="#">30189</a>	GE-132-MV-N	1	99.0	0.87
<a href="#">72269</a>	GE-132-MV-N	1	99.0	0.87
<a href="#">30268</a>	GE-132-MV-N-42T	1	99.0	0.87
<a href="#">72270</a>	GE-132-MV-N-42T	1	99.0	0.87
<a href="#">23671</a>	GE-232-120-N	1	99.0	0.94
<a href="#">24163</a>	GE-232-120-N-84T	1	99.0	0.94
<a href="#">29621</a>	GE-232-120-PS-N	1	99.0	1.03
<a href="#">97782</a>	GE232-120-RES	1	48.0	0.99
<a href="#">71037</a>	GE232-120RES-	1	48.0	0.99

DIY					
<a href="#">23672</a>	GE-232-277-N	2	99.0	0.94	
<a href="#">24164</a>	GE-232-277-N-84T	2	99.0	0.94	
<a href="#">29622</a>	GE-232-277-PS-N	1	95.0	1.03	
<a href="#">29632</a>	GE-232-277PS-N-T	1	95.0	1.03	
<a href="#">47548</a>	GE232MAX-H-42T	1	99.0	1.15	
<a href="#">49775</a>	GE232MAX-H/ULTRA	1	99.0	1.15	
<a href="#">72263</a>	GE232MAX-L-42T	1	99.0	0.77	
<a href="#">72262</a>	GE232MAX-L/ULTRA	1	99.0	0.77	
<a href="#">49707</a>	GE232MAX-L/ULTRA	1	99.0	0.77	
<a href="#">71421</a>	GE232MAX-N+	1	99.0	1.0	
<a href="#">72267</a>	GE232MAX-N-42T	1	99.0	0.87	
<a href="#">31052</a>	GE232MAX-N-42T	1	99.0	0.87	
<a href="#">72264</a>	GE232MAX-N/AMP	1	99.0	0.87	
<a href="#">72265</a>	GE232MAX-N/CTR	1	99.0	0.87	
<a href="#">97656</a>	GE232MAX-N/CTR	1	99.0	0.87	
<a href="#">72268</a>	GE232MAX-N-DIY	1	99.0	0.87	
<a href="#">23940</a>	GE232MAX-N-DIY	1	99.0	0.87	
<a href="#">49772</a>	GE232MAX-N/ULTRA	1	99.0	0.87	
<a href="#">72266</a>	GE232MAX-N/ULTRA	1	99.0	0.87	
<a href="#">30198</a>	GE-232-MV-H	1	99.0	1.34	
<a href="#">30275</a>	GE-232-MV-H-42T	1	99.0	1.34	
<a href="#">72273</a>	GE-232-MV-L	1	99.0	0.93	
<a href="#">30247</a>	GE-232-MV-L	1	99.0	0.93	
<a href="#">72274</a>	GE-232-MV-L-42T	1	99.0	0.93	
<a href="#">72275</a>	GE-232-MV-N	1	99.0	1.08	
<a href="#">72276</a>	GE-232-MV-N-42T	1	99.0	1.08	
<a href="#">30269</a>	GE-232-MV-N-42T	1	99.0	1.02	
<a href="#">97709</a>	GE-232MV-N-DIY	1	99.0	1.02	
<a href="#">72277</a>	GE232MV-N-DIY	1	99.0	1.08	
<a href="#">29675</a>	GE-232-MVPS-H	1	98.0	1.37	
<a href="#">96720</a>	GE232-MVPS-L	1	98.0	0.81	
<a href="#">96714</a>	GE232-MVPS-N	1	98.0	1.05	
<a href="#">96717</a>	GE232-MVPS-N-42T	1	98.0	1.05	
<a href="#">29671</a>	GE-232-MVPS-XL	1	98.0	0.7	
<a href="#">29665</a>	GE-232-MVPS-XL-T	1	98.0	0.7	
<a href="#">23673</a>	GE-332-120-N	2	99.0	0.94	
<a href="#">24165</a>	GE-332-120-N-84T	2	99.0	0.94	
<a href="#">29623</a>	GE-332-120-PS-N	2	99.0	1.0	

<a href="#">29633</a>	GE-332-120PS-N-T	2	99.0	1.0
<a href="#">23674</a>	GE-332-277-N	2	99.0	0.94
<a href="#">24166</a>	GE-332-277-N-84T	2	99.0	0.94
<a href="#">29624</a>	GE-332-277-PS-N	2	97.0	1.0
<a href="#">71715</a>	GE332MAX-H-42T	2	99.0	1.29
<a href="#">71714</a>	GE332MAX-H/ULTRA	2	99.0	1.29
<a href="#">49776</a>	GE332MAX-H/ULTRA	2	99.0	1.15
<a href="#">71718</a>	GE332MAX-L-42T	2	99.0	0.89
<a href="#">49708</a>	GE332MAX-L/ULTRA	2	99.0	0.77
<a href="#">71717</a>	GE332MAX-L/ULTRA	2	99.0	0.89
<a href="#">71422</a>	GE332MAX-N+	2	99.0	1.0
<a href="#">31053</a>	GE332MAX-N-42T	2	99.0	0.87
<a href="#">71721</a>	GE332MAX-N-42T	2	99.0	0.97
<a href="#">71720</a>	GE332MAX-N/CTR	2	99.0	0.97
<a href="#">97657</a>	GE332MAX-N/CTR	2	99.0	0.87
<a href="#">23941</a>	GE332MAX-N-DIY	2	99.0	0.87
<a href="#">71722</a>	GE332MAX-N-DIY	2	99.0	0.97
<a href="#">71719</a>	GE332MAX-N/ULTRA	2	99.0	0.97
<a href="#">30199</a>	GE-332-MV-H	2	99.0	1.27
<a href="#">30296</a>	GE-332-MV-H-42T	2	99.0	1.27
<a href="#">30255</a>	GE-332-MV-L	2	99.0	0.87
<a href="#">30309</a>	GE-332-MV-L-42T	2	99.0	0.87
<a href="#">30192</a>	GE-332-MV-N	2	99.0	0.96
<a href="#">30270</a>	GE-332-MV-N-42T	2	99.0	0.96
<a href="#">97710</a>	GE-332MV-N-DIY	2	99.0	0.96
<a href="#">29676</a>	GE-332-MVPS-H	2	98.0	1.28
<a href="#">29656</a>	GE-332-MV-PS-H-T	2	98.0	1.28
<a href="#">96721</a>	GE332-MVPS-L	2	98.0	0.77
<a href="#">96715</a>	GE332-MVPS-N	2	98.0	0.98
<a href="#">29672</a>	GE-332-MVPS-XL	2	98.0	0.64
<a href="#">23675</a>	GE-432-120-N	3	0.94	0.94
<a href="#">24167</a>	GE-432-120-N-84T	3	99.0	0.94
<a href="#">29625</a>	GE-432-120-PS-N	3	99.0	0.96
<a href="#">29635</a>	GE-432-120PS-N-T	3	99.0	0.96
<a href="#">97783</a>	GE432-120-RES	3	5.0	0.88
<a href="#">71038</a>	GE432-120RES-DIY	3	5.0	0.88
<a href="#">23676</a>	GE-432-277-N	3		0.94
<a href="#">24168</a>	GE-432-277-N-84T	3	99.0	0.94
<a href="#">71724</a>	GE432MAX-H-	3	99.0	1.28

	42T			
<a href="#">49777</a>	GE432MAX-H/ULTRA	3	99.0	1.15
<a href="#">71723</a>	GE432MAX-H/ULTRA	3	99.0	1.28
<a href="#">71726</a>	GE432MAX-L-42T	3	99.0	0.88
<a href="#">49709</a>	GE432MAX-L/ULTRA	3	99.0	0.77
<a href="#">71725</a>	GE432MAX-L/ULTRA	3	99.0	0.88
<a href="#">71423</a>	GE432MAX-N+	3	99.0	1.15
<a href="#">71729</a>	GE432MAX-N-42T	3	99.0	0.94
<a href="#">71728</a>	GE432MAX-N/CTR	3	99.0	0.94
<a href="#">97658</a>	GE432MAX-N/CTR	3	99.0	0.87
<a href="#">71730</a>	GE432MAX-N-DIY	3	99.0	0.94
<a href="#">71727</a>	GE432MAX-N/ULTRA	3	99.0	0.94
<a href="#">30219</a>	GE-432-MV-H	3	99.0	1.24
<a href="#">30303</a>	GE-432-MV-H-42T	3	99.0	1.24
<a href="#">30262</a>	GE-432-MV-L	3	99.0	0.87
<a href="#">30310</a>	GE-432-MV-L-42T	3	99.0	0.87
<a href="#">30193</a>	GE-432-MV-N	3	99.0	0.93
<a href="#">30271</a>	GE-432-MV-N-42T	3	99.0	0.93
<a href="#">97711</a>	GE-432MV-N-DIY	3	99.0	0.93
<a href="#">29678</a>	GE-432-MVPS-H	3	98.0	1.26
<a href="#">71832</a>	GE432-MVPS-L	3	0.98	0.71
<a href="#">96716</a>	GE432-MVPS-N	3	98.0	0.96
<a href="#">87125</a>	GEM232T8RS120	2	98.0	0.94
<a href="#">87130</a>	GEM232T8RS277	2	98.0	0.98

#### CAUTIONS & WARNINGS

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

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