








# LED SIGN TUBES - T12 RETROFITS

**REPLACES**

 SGN-LED96	→	F96 T12
 SGN-LED84	→	F84 T12
 SGN-LED72	→	F72 T12
 SGN-LED64	→	F64 T12
 SGN-LED60	→	F60 T12
 SGN-LED48	→	F48 T12
 SGN-LED36	→	F36 T12



Neptun Light, Inc.  
13950 Business Center Drive  
Lake Forest, IL 60045  
P: 888-735-8330  
[www.NeptunLight.com](http://www.NeptunLight.com) | [@NeptunLightNews](https://twitter.com/NeptunLightNews)



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### T12 SIGN Retrofit Tubes - DIRECT / INDIRECT - Bi-Pin (G13), Single Pin (FA8) & Recessed (R17D)

Model No.	Watts	Nominal Length (Inch)	Input Line Current (Amp) @ 120 - 277	Power Factor	THD	CCT (°K)	CRI	Lumens	Lm/W	Base	Beam Angle
SGN-LED36-DI-T8-UNV-835	22	33.18"	0.192-0.083	>0.95	<15%	3,500°K	>80	2,640	120	G13/R17D/FA8	360°
SGN-LED36-DI-T8-UNV-841	22	33.18"	0.192-0.083	>0.95	<15%	4,100°K	>80	2,684	122	G13/R17D/FA8	360°
SGN-LED36-DI-T8-UNV-850	22	33.18"	0.192-0.083	>0.95	<15%	5,000°K	>80	2,728	124	G13/R17D/FA8	360°
SGN-LED48-DI-T8-UNV-835	26	45.19"	0.227-0.098	>0.95	<15%	3,500°K	>80	3,120	120	G13/R17D/FA8	360°
SGN-LED48-DI-T8-UNV-841	26	45.19"	0.227-0.098	>0.95	<15%	4,100°K	>80	3,172	122	G13/R17D/FA8	360°
SGN-LED48-DI-T8-UNV-850	26	45.19"	0.227-0.098	>0.95	<15%	5,000°K	>80	3,224	124	G13/R17D/FA8	360°
SGN-LED60-DI-T8-UNV-835	32	57.20"	0.279-0.121	>0.95	<15%	3,500°K	>80	3,840	120	G13/R17D/FA8	360°
SGN-LED60-DI-T8-UNV-841	32	57.20"	0.279-0.121	>0.95	<15%	4,100°K	>80	3,904	122	G13/R17D/FA8	360°
SGN-LED60-DI-T8-UNV-850	32	57.20"	0.279-0.121	>0.95	<15%	5,000°K	>80	3,968	124	G13/R17D/FA8	360°
SGN-LED64-DI-T8-UNV-835	35	61.14"	0.306-0.132	>0.95	<15%	3,500°K	>80	4,200	120	G13/R17D/FA8	360°
SGN-LED64-DI-T8-UNV-841	35	61.14"	0.306-0.132	>0.95	<15%	4,100°K	>80	4,270	122	G13/R17D/FA8	360°
SGN-LED64-DI-T8-UNV-850	35	61.14"	0.306-0.132	>0.95	<15%	5,000°K	>80	4,340	124	G13/R17D/FA8	360°
SGN-LED72-DI-T8-UNV-835	40	69.17"	0.349-0.151	>0.95	<15%	3,500°K	>80	4,800	120	G13/R17D/FA8	360°
SGN-LED72-DI-T8-UNV-841	40	69.17"	0.349-0.151	>0.95	<15%	4,100°K	>80	4,880	122	G13/R17D/FA8	360°
SGN-LED72-DI-T8-UNV-850	40	69.17"	0.349-0.151	>0.95	<15%	5,000°K	>80	4,960	124	G13/R17D/FA8	360°
SGN-LED84-DI-T8-UNV-835	46	81.18"	0.402-0.174	>0.95	<15%	3,500°K	>80	5,520	120	G13/R17D/FA8	360°
SGN-LED84-DI-T8-UNV-841	46	81.18"	0.402-0.174	>0.95	<15%	4,100°K	>80	5,612	122	G13/R17D/FA8	360°
SGN-LED84-DI-T8-UNV-850	46	81.18"	0.402-0.174	>0.95	<15%	5,000°K	>80	5,704	124	G13/R17D/FA8	360°
SGN-LED96-DI-T8-UNV-835	52	93.18"	0.454-0.197	>0.95	<15%	3,500°K	>80	6,240	120	G13/R17D/FA8	360°
SGN-LED96-DI-T8-UNV-841	52	93.18"	0.454-0.197	>0.95	<15%	4,100°K	>80	6,344	122	G13/R17D/FA8	360°
SGN-LED96-DI-T8-UNV-850	52	93.18"	0.454-0.197	>0.95	<15%	5,000°K	>80	6,448	124	G13/R17D/FA8	360°

### ORDERING INFORMATION

Sample Number: SGN-LED36-DI-T8-UNV-841-R17D-1P  
Custom options and accessories available. Please consult factory.

Series	Voltage	CCT	Base	Wiring
<b>SGN-LED36-DI-T8</b> = 36" T8 Sign Tube <b>SGN-LED48-DI-T8</b> = 48" T8 Sign Tube <b>SGN-LED60-DI-T8</b> = 60" T8 Sign Tube <b>SGN-LED64-DI-T8</b> = 64" T8 Sign Tube <b>SGN-LED72-DI-T8</b> = 72" T8 Sign Tube <b>SGN-LED84-DI-T8</b> = 84" T8 Sign Tube <b>SGN-LED96-DI-T8</b> = 96" T8 Sign Tube	<b>UNV</b> = 120-277 VAC	<b>835</b> = 3500°K** <b>841</b> = 4100°K <b>850</b> = 5000°K * * STANDARD COLOR ** SPECIAL ORDER	<b>R17D</b> = Recessed Double Contact** <b>G13</b> = Bi-Pin** <b>FA8</b> = Single Pin***	<b>1P</b> = Single Pole Wiring** <b>2P</b> = Dual Pole Wiring *** ** R17D & G13 only offered in 1P *** FA8 lamp only offered in 2P wiring config



# APPLICATIONS

lightinnovations@work™

Sign Lighting



Hospitals



Retail



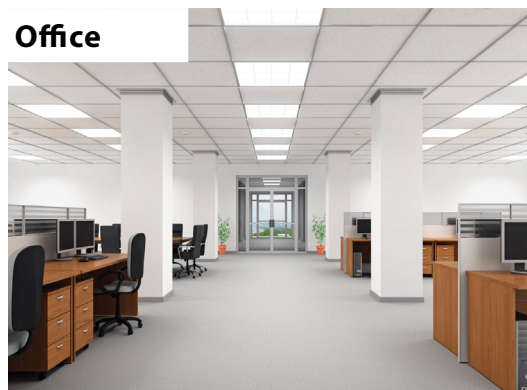
Industrial / Warehouse



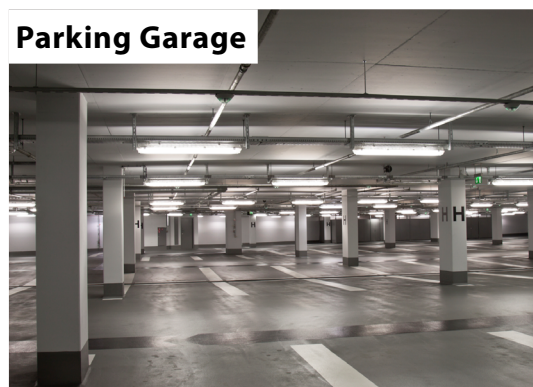
Classroom



Office



Parking Garage



## NEPTUN LED RETROFIT TUBES

Neptun's LED retrofit tubes offer a great alternative to fluorescent tubes in various applications and environments. They allow for a comfortable environment with an even distribution and no flickering or humming like some Fluorescent tubes. The long lives of these tubes greatly reduce maintenance costs in addition to substantial energy savings.



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SAVINGS ANALYSIS

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	F96 T12 - 8ft. Tube	LED T8
Rated Wattage	110W	52W
Input Wattage	125W (with Ballast)	52W
No. of Lamps	600	600
Running Time/Year	4,380 Hrs.	4,380 Hrs.
kWr Rate	\$0.12	\$0.12
Annual (kWh)	328,500	136,656
Annual (kWh) Savings		191,844
Annual Energy Costs	\$39,420	\$16,399
Annual Energy Savings		\$23,021
Energy Savings Over Life of LED		\$345,319
Annual Labor Cost	\$3,285	\$0
Labor Savings Over Life of LED		\$49,275
Annual Material /Recycle Cost	\$1,533	\$0
Material Savings Over Life of LED		\$22,995
Life Cycle Gross Cost Savings		\$417,589
PAY BACK (includes parts & labor)		1.99 YRS.
LBS of CO2 Removed		4,115,054 lbs.
# Cars Removed from Road		3,560

\* Based on 15 year estimated life of LED  
\*\* Contact Factory for Complete Savings Analysis

About Neptun Light

Neptun Light is a leader in the manufacture of energy efficient retrofit products and light fixtures in the fields of LED, Induction, and Solar technology. We boast a highly diversified product portfolio of indoor and outdoor products. Additionally, our products span a wide range of commercial, industrial, government, and utility infrastructure applications. Neptun Light achieves its level of success through timely development of new technology that caters to a constantly evolving marketplace. Among Neptun Light’s core values are continuous innovation, high quality products, a focus on energy conservation, and an uncompromised commitment to customer service.



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