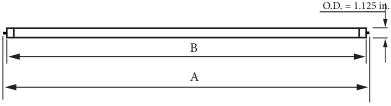


# T8 TUBES SIGN SYSTEM T12 RETROFIT





#### Dimensions in inches

Product Type	A(max.)	B(max.)	
LED36 (22W)	33.18"	32.43"	
LED48 (26W)	45.19"	44.44"	
LED60 (32W)	57.20"	56.45"	
LED64 (35W)	61.14"	60.39"	
LED72 (40W)	69.17"	68.42"	
LED84 (46W)	81.18"	80.43"	
LED96 (52W)	93.18"	92.43"	

# Incredible 70,000 hrs

### **GENERAL DESCRIPTION**

Neptun's high performance LED Direct/Indirect T8 Sign tubes are designed for the replacement of existing T12 fluorescent lighting systems. The DI-88 series tubes are offered in a variety of color temperatures and wattages for flexibility in all types of applications. The frosted lens allows for an evenly illuminated glow resembling existing fluorescent tubes. Very low temperature operation saves on HVAC costs and long life greatly reduces maintenance costs. The self-ballasted design allows for easy installation into most commonly used T8 or T12 system fixtures.

#### APPLICATION

- · Sign Lighting
- · Office Lighting
- · School Lighting
- · Healthcare Lighting
- Storage Lighting

# STRUCTURE, MATERIALS, & FEATURES

- · Aluminum middle for excellent thermal management.
- · Double sided optics for direct / indirect lighting systems.
- · Frosted non yellowing polycarbonate lens for even glow. (Glare Free)
- · Correlated Color Temperatures of 3500°K, 4100°K, & 5000°K.
- · Mercury free design.
- · No radiated EMI interference.
- · High Output LED's.
- · High power factor, low THD internal driver.
- · InstantON flicker-free Cold Start and Hot Re-Start.
- · Up to 15 years Maintenance free operation.
- · 5 Year Warranty.

## ORDERING INFORMATION

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

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







# **PRODUCT INFORMATION**

Model No.	Watts	Input Line Current (Amp) @ 120 -277	Power Factor	THD	CRI	Lumens	Lm/W	Nominal Length (Inch)	Base	Beam Angle
SGN-LED36-DI-T8-UNV	22	0.192-0.083	>0.90	<20%	>80	2,200	100	36"	R17D	360°
SGN-LED48-DI-T8-UNV	26	0.227-0.098	>0.90	<20%	>80	2,600	100	48"	R17D	360°
SGN-LED60-DI-T8-UNV	32	0.279-0.121	>0.90	<20%	>80	3,200	100	60"	R17D	360°
SGN-LED64-DI-T8-UNV	35	0.306-0.132	>0.90	<20%	>80	3,500	100	64"	R17D	360°
SGN-LED72-DI-T8-UNV	40	0.349-0.151	>0.90	<20%	>80	4,000	100	72"	R17D	360°
SGN-LED84-DI-T8-UNV	46	0.402-0.174	>0.90	<20%	>80	4,600	100	84"	R17D	360°
SGN-LED96-DI-T8-UNV	52	0.454-0.197	>0.90	<20%	>80	5,200	100	96"	R17D	360°

# **SPECIFICATIONS**

· LED Driver	Self-Ballasted
Power Supply	350mA
Start Method	InstantON
Hot Re-start	InstantON
· Universal Input Line Voltage	120-277 VAC
· Input Line Frequency	
Driver Off-State Draw	
· Sound Rating	Class A
· LED / Driver System Life	
· Lumen Maintenance @50,000Hrs	
· Color Temperature	Various

Color Rendering Index (CRI)	>80
Minimum Starting Temperature	
Maximum Starting Temperature	45°C
Lumens per Watt	> 100
Shock / Vibration Resistant	
Power Factor	> 0.90
Total Harmonic Distortion	< 20%
ETL Listed / UL Standard 1993	Yes
FCC Compliance	Part 15, Subp. C
Warranty	5 Year

# $\begin{tabular}{ll} \textbf{WIRING DIAGRAM} & \textbf{(See Complete Installation Instructions)} \\ \end{tabular}$

