



Dimensions in inches

Product Type	A(max.)	B(max.)
LED18 (11W)	15.75"	15.20"
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-1P
 Custom options and accessories available. Please consult factory

Series	Voltage	Color Temp.	Base	Wiring
SGN-LED18-DI-T8 = 18" T8 Sign Tube SGN-LED36-DI-T8 = 36" T8 Sign Tube SGN-LED48-DI-T8 = 48" T8 Sign Tube SGN-LED60-DI-T8 = 60" T8 Sign Tube SGN-LED64-DI-T8 = 64" T8 Sign Tube SGN-LED72-DI-T8 = 72" T8 Sign Tube SGN-LED84-DI-T8 = 84" T8 Sign Tube SGN-LED96-DI-T8 = 96" T8 Sign Tube	UNV = 120-277 VAC	835 = 3500°K 841 = 4100°K 850 = 5000°K * * STANDARD COLOR	R17D = Recessed Double Contact G13 = Bi-Pin FA8 = Single Pin	1P = Single Pole Wiring** 2P = Dual Pole Wiring *** * See pg. 2 for details ** R17D & G13 only offered in 1P *** FA8 lamp only offered in 2P wiring config.



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-LED18-DI-T8-UNV	11	0.096-0.041	>0.90	<20%	>80	1,320	100	18"	R17D	360°
SGN-LED36-DI-T8-UNV	22	0.192-0.083	>0.90	<20%	>80	2,640	100	36"	R17D	360°
SGN-LED48-DI-T8-UNV	26	0.227-0.098	>0.90	<20%	>80	3,120	100	48"	R17D	360°
SGN-LED60-DI-T8-UNV	32	0.279-0.121	>0.90	<20%	>80	3,840	100	60"	R17D	360°
SGN-LED64-DI-T8-UNV	35	0.306-0.132	>0.90	<20%	>80	4,200	100	64"	R17D	360°
SGN-LED72-DI-T8-UNV	40	0.349-0.151	>0.90	<20%	>80	4,800	100	72"	R17D	360°
SGN-LED84-DI-T8-UNV	46	0.402-0.174	>0.90	<20%	>80	5,520	100	84"	R17D	360°
SGN-LED96-DI-T8-UNV	52	0.454-0.197	>0.90	<20%	>80	6,240	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 50/60 Hz
- Driver Off-State Draw 0 Watts
- Sound Rating Class A
- LED / Driver System Life 70,000 Hrs.
- Lumen Maintenance @50,000Hrs > 70%
- Color Temperature Various
- Color Rendering Index (CRI) > 80
- Minimum Starting Temperature -35°C
- Maximum Starting Temperature 45°C
- Lumens per Watt > 110
- Shock / Vibration Resistant Yes
- Power Factor > 0.90
- Total Harmonic Distortion < 20%
- ETL Listed / UL Standard 1993 Yes
- FCC Compliance Part 15, Subp. C
- Warranty 5 Year

WIRING DIAGRAM (See Complete Installation Instructions)

