



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
<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	<b>R17D</b> = Recessed Double Contact <b>FA8</b> = Single Pin <b>G13</b> = Bi-Pin	<b>1P</b> = Single Pole Wiring <b>2P</b> = Dual Pole Wiring ** * See pg. 2 for details ** 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-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 ..... 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 ..... > 100
- 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)

