O.D. = 1.0 in.

C
B
A

Dimensions in inches

Product Type	A(max.)	B(max.)	C(max.)
40W (8')	95.8"	95.4"	95.22"
52W (8')	95.8"	95.4"	95.22"

Incredible 70,000 hrs

GENERAL DESCRIPTION

Neptun's high performance LED T8 tubes are designed for the replacement of existing T8 fluorescent lighting systems. The 88 series tubes are offered in a variety of color temperatures 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 T-8 system fixtures.

APPLICATION

· Office Lighting
· School Lighting
· Healthcare Lighting
· Storage Lighting
· Retail Lighting

STRUCTURE, MATERIALS, & FEATURES

· Aluminum backing for excellent thermal management.
· 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.
· 720 PCS 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: LED-88040-UNV-841-1P-R17D
Custom options and accessories available. Please consult factory

Source	Series	Wattage	Voltage	Color Temp.	Wiring Config.	Options
LED = LED	**88** = T8 Tubes	**040** = 40 W **052** = 52 W	**UNV** = 120-277 VAC	**835** = 3500°K **841** = 4100°K **850** = 5000°K	**1P** = Single Ended **2P** = Dual Ended	**R17D** = Recessed Double Contact Caps

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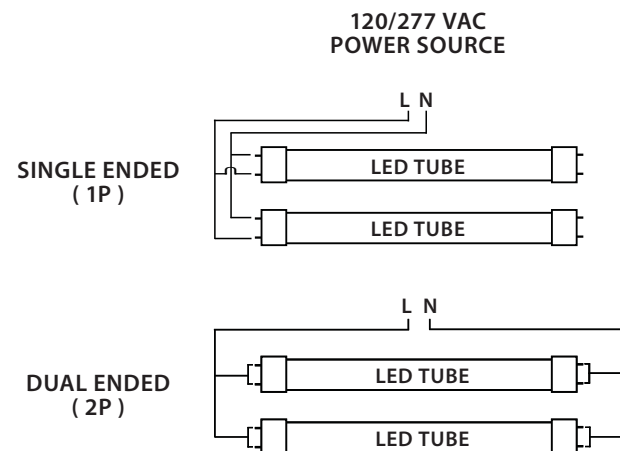
NEPTUN L I G H T

PRODUCT INFORMATION

Model No.	Watts	Input Line Current (Amp) @ 120 - 277	Power Factor	THD	Color Temp. CCT (°K)	CRI	Lumens	Lm/W	Nominal Length (Inch)	Base	Beam Angle
LED-88040-UNV-835	40	0.349-0.151	>0.90	<20%	3,500°	>80	4,000	100	96"	Bi-Pin	120°
LED-88040-UNV-841	40	0.349-0.151	>0.90	<20%	4,100°	>80	4,080	102	96"	Bi-Pin	120°
LED-88040-UNV-850	40	0.349-0.151	>0.90	<20%	5,000°	>80	4,160	104	96"	Bi-Pin	120°
LED-88052-UNV-835	52	0.454-0.197	>0.90	<20%	3,500°	>80	5,200	100	96"	Bi-Pin	120°
LED-88052-UNV-841	52	0.454-0.197	>0.90	<20%	4,100°	>80	5,304	102	96"	Bi-Pin	120°
LED-88052-UNV-850	52	0.454-0.197	>0.90	<20%	5,000°	>80	5,408	104	96"	Bi-Pin	120°

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)

120/277 VAC POWER SOURCE

L N

SINGLE ENDED (1P)

LED TUBE
LED TUBE

L N

DUAL ENDED (2P)

LED TUBE
LED TUBE

PHOTOMETRICS

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

-/+180
-150   150
-120   120
-90   90
-60   60
-30   30
0

UNIT:cd
C0/180,124.0deg
C90/270,110.3deg

AVERAGE BEAM ANGLE (50%) : 117.2 DEG

Spec. Rev. 4-2015