

FLN SERIES

FOR USE IN FLUORESCENT LAMPS
RETROFIT OR NEW INSTALLATIONS
TYPE B



NOTES & PATENT INFORMATION

US Patent #7,307,391 8,115,411 8,791,650
9,179,513
Canada Patent #2,651,224 2,555,065 2,831,641
International Patents Pending
For complete and up to date patent information see
our website

OPTIONAL FEATURES

- Lengths of 24", 36", 60"*, 72"*, 96"*
- Colors: Super Cool, Warm, Neutral White
- Operational voltages for special applications
- Clear or Single Frosted lenses

DESCRIPTION

The LED Lighting tube has been designed to work with conventional fluorescent fixtures. To replace the short lived fluorescent lamps that are typically used in interior lighting. The LED Lighting tube can be used to retrofit existing fluorescent installations in all types of applications.

FEATURES

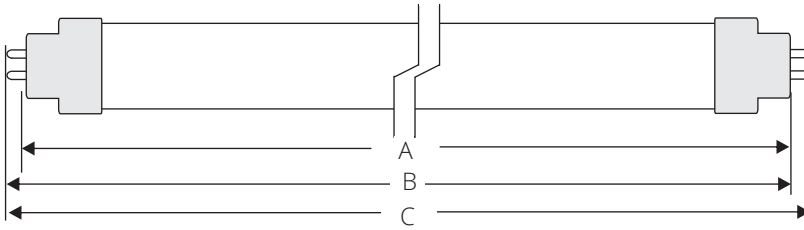
- Triac Dimmer Compatible
- No "flickering", smooth dimming
- Solid state lighting device, works well in harsh environments of hot or cold temperatures
- Instant on, no warm up time required
- Lasts 10 times longer the fluorescent
- The extrusion acts as a heat sink to extend life of LEDs
- Low EMI emissions, to reduce radio interference
- Designed to replace conventional fluorescent lamps
- Lead and mercury free

STANDARD FEATURES

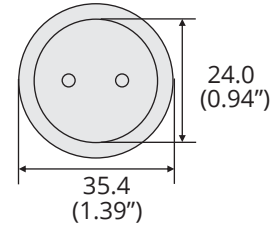
- 48" Length
- Cool white LEDs
- 90VAC ~ 300VAC Operating Voltage
- Milk White Lens
- Bi-Pin, Instant start connection type
- Standard T8 Fluorescent replacement

DIMENSIONS

T10 DIAMETER



End View



**For list of compatible dimmers, contact factory.

Standard Length	A				B				C			
	Inch		mm		Inch		mm		Inch		mm	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
24	-	23.22	-	589.8	23.67	23.78	601.2	604.0	23.40	23.50	594.4	596.9
36	-	35.22	-	894.6	35.67	35.78	906.0	908.8	35.40	35.50	899.2	901.7
48	-	47.22	-	1199.4	47.67	47.78	1210.8	1213.6	47.40	47.50	1204.0	1208.5

ELECTRICAL STATS & OPERATING FUNCTIONS

Type	Nominal Lenght (inch)	Lens Type	PART# CODE	Input Voltage (AC Volts)		Input Current (Amp)			Luminous Intensity (Lumens)						Power Consumption (Watts)	CRI		
									COOL WHITE			WARM WHITE						
				MIN	MAX	MIN	TYP#	MAX	6000K	5700K	5000K	4100K	3500K	2800K	TYP	TYP		
FLN	24	CLEAR	1-7	90	240	0.07	0.08	0.11	799	919	799	791	735	647	10	85		
	36					0.11	0.13	0.17	1199	1378	1199	1187	1103	971	15			
	48					0.14	0.17	0.22	1598	1838	1598	1582	1407	1294	20			
	24		0-9			0.06	0.08	0.10	911	911	911	911	842	758	9			
	36		0.10			0.11	0.15	1367	1367	1367	1367	1263	1137	14				
	48		0.13			0.15	0.20	1822	1822	1822	1822	1684	1516	18				

ORDERING INFORMATION

SERIES	END CAP	LENGTH	VOLTAGE	TYPE	WATTAGE	COLOR	LENS	DIMMING
FLN	X	XX	XXX	X-X	XX	XX	X	X
	G = G13 R = RDCB F = FA8	24" 36" 48"	120 220	0-3 1-2	SEE ABOVE CHART	60 = Super White* (6000K) 50 = Cool White (5000K) 41 = Mid-Neutral White* (4100K) 35 = Neutral White* (3500K) 28 = Warm White* (2800K)	M = Milk White C = Clear S = Single Frosted	V = Variable Dimming S = Non-Dimming

Example:

FLN-G-48-120-1-2-20-50-S-V - LED Fluorescent Light Replacements, G13 Base, 48", 120VAC, 20W, Cool White (5000K), Dimmable

*Contact factory for details.