

FLN SERIES

FOR USE IN FLUORESCENT LAMPS
RETROFIT OR NEW INSTALLATIONS



OPTIONAL FEATURES

- 24", 36" and 60"
- Colors: Super Cool, Warm, Neutraal, Amber*, Red*, Green*, and Blue*
- Operational voltages for special applications*
- Clear or Single Frosted lenses

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

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. The internal driver operates without the need of a ballast.

FEATURES

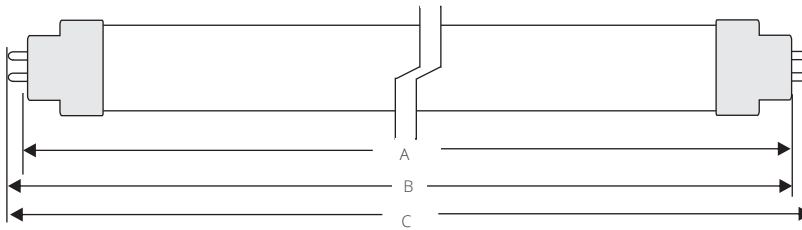
- Solid state lighting device, works well in harsh environments of hot or cold temperatures
- Instant on, no warm up time
- Lasts 10 times longer than fluorescent
- The extrusion acts as a heat sink to extend life of LEDs
- Low EMI emissions, to reduce radio interference
- Designed to replace conventional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

STANDARD FEATURES

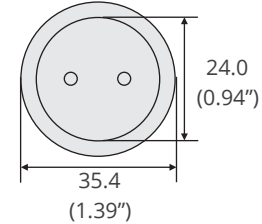
- 48" Length
- Cool white LEDs
- 90VAC ~ 300VAC Operating Voltage
- Milk White Lens
- Bi-Pin, Instant start connection type
- Standard T8 Fluorescent replacement

DIMENSIONS

T10 DIAMETER



End View



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	804	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	1206.5

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)
				MIN	TYP	MAX	MIN	TYP#	MAX	COOL WHITE			WARM WHITE			
										6000K	5700K	5000K	4100K	3500K	2800K	
FLN	12	CLEAR	0-9	90	120	140	0.03	0.04	0.05	456	456	456	456	421	379	5
	24						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
	12	SINGLE FROSTED					0.03	0.04	0.05	412	412	412	412	381	343	5
	24						0.06	0.08	0.10	824	824	824	824	762	685	9
	36						0.10	0.11	0.15	1236	1236	1236	1236	1142	1028	14
	48						0.13	0.15	0.20	1648	1648	1648	1648	1523	1371	18
	12	MILK WHITE					0.03	0.04	0.05	339	339	339	339	314	282	5
	24						0.06	0.08	0.10	678	678	678	678	627	564	9
	36						0.10	0.11	0.15	1018	1018	1018	1018	941	847	14
	48						0.13	0.15	0.20	1357	1357	1357	1357	1254	1129	18

ORDERING INFORMATION

SERIES	END CAP	LENGTH	VOLTAGE	TYPE	WATTAGE	COLOR	LENS
FLN	X	XX	120	0-9	XX	X	X
G = G13 R = RDCB F = FA8		12# 24" 36" 48" 60# 72# 96#	COOL WARM 60 = 6000K 57 = 5700K 50 = 5000K 41 = 4100K 35 = 3500K 28 = 2800K C = Clear S = Single Frosted M = Milk White				
*Contact factory for details # ETL Pending							