

LED COACH LIGHTING FLL SERIES



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 12", 24", 60", up to 72"
- Colors: Warm White, Neutral White, Amber*, Red*, Green* and Blue*
- Operational voltages for special applications*
- Milk white or single frosted lenses*
- Dimmable, either pre-set or variable, works with PWM ATTICA control system

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 transit and coach applications. The dimmable versions are able to function with existing PWM control systems.

FEATURES

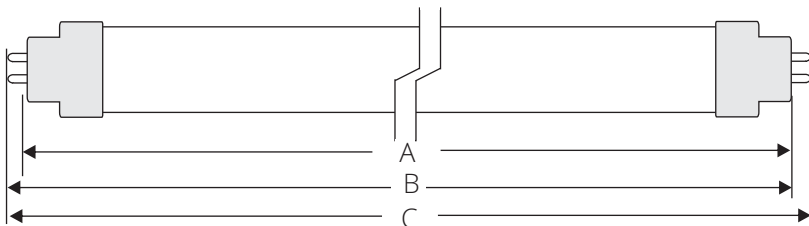
- Solid state lighting device, works well in harsh environments of hot or cold temperatures
- Instant on, no warm up time
- Lasts at least 10 times longer than fluorescent
- Low EMI emissions, to eliminate radio interference
- Design to replace conventional fluorescent lamps
- RoHS Compliant, Lead Free Compliant, Mercury Free
- The extrusion acts as a heat sink to extend life of LEDs

STANDARD FEATURES

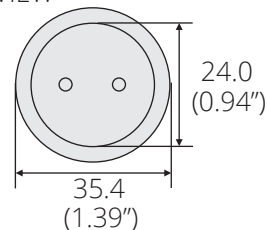
- 36" and 48" length
- Cool White LEDs
- 24V Operating Voltage
- Clear Lens
- Bi-Pin, Instant start connection type
- Standard T8 Fluorescent replacement

DIMENSIONS

T10 DIAMETER



END VIEW



Standard Length	A				B				B			
	Inch		mm		Inch		mm		Inch		mm	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
36	-	35.22	-	894.6	35.67	35.78	906.0	908.80	35.40	35.50	899.2	901.7
48	-	47.22	-	1199.4	47.67	47.78	1210.8	1213.60	47.40	47.50	1204.0	1206.5

ELECTRICAL STATS & OPERATING FUNCTIONS

Type	Nominal Length (inch)	Lens Type	Input Voltage (DC Volts)			Input Current (Amp)			Luminous Intensity (Lumens)			Power Consumption (Watts)
			MIN	TYP	MAX	MIN	TYP#	MAX	COOL WHITE			TYP
									6000K	5700K	5000K	
FLL	36	CLEAR	18	24	28	0.54	0.63	0.83	1269	1269	1269	15
	48								1777	1777	1777	21

ORDERING INFORMATION

SERIES	DIAMETER	PIN TYPE	LENGTH	VOLTAGE	COLOR	LENS TYPE	INTENSITY
FLL	T10	XXX	XX	24	XX	X	X
		G13	36"	24V	60 = Super White* (6000K)	C = Clear	S = Single Intensity
		FA8*	48"		57 = Day Light White (5700K)	M = Milk White	D = Dual Intensity
		RDCB*			50 = Cool White (5000K)	S = Single side	(100% - 20%)
		Custom*				frosted, White	V = Variable Dimming

* Contact Factory for details

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