

## BALLAST COMPATIBLE LED TUBE

Linmore LED Labs Ballast Compatible (BC) LED Tubes are an easy and cost effective way to upgrade and modernize T8 fluorescent tubes to LED. Our BC Tubes utilize the existing T8 electronic ballast as their power source. To install our BC Tubes, remove the existing T8 fluorescent tube and install the Linmore LED Labs Ballast Compatible LED Tube. No electrical modifications are required. When the objective is to upgrade T8 tube lighting to LED with low cost and ease of installation, Linmore's BC Tube is the clear choice.



### HIGHLIGHTS

- Efficacy 121 Lumens/Watt
- Aluminum Construction
- Polycarbonate Lens, No Glass
- 180 Degree Light Distribution
- 5 Year Warranty
- No Mercury
- No UV Light

### APPLICATIONS

- Troffers
- Strips
- Case Lighting
- Indirect Lighting
- Vapor Tights

### Reliability Assurance Testing

- Every LED Tube is vibrated at variable frequencies for 5 minutes
- Every LED Tube is operated for a 36 hour break in period
- Every LED Tube is cycled on/off every minute for 36 hours



# BALLAST COMPATIBLE LED TUBE

## EFFICACY

- High value surface mount diodes
- Balanced approach considering output, cost, and longevity

## THERMAL DISSIPATION

- The tube is made of aluminum, 2/3 circle of aluminum, 1/3 circle polycarbonate lens
- This “D” shaped aluminum tube utilizes 6063-T5 alloy for maximum release of thermal energy
- The tube is 10% thicker than most competing tubes for additional strength and thermal release
- Interior PCB Board is made of aluminum core and thermally bonded to a ribbed aluminum heat sink while most tubes use FRP/plastic

## OPTICS

- Lens is ruggedized polycarbonate 10% thicker than most competing tubes
- Suitable for most food processing applications
- The beam angle is 180 degrees for a wide distribution of light
- Glass Free

## SPECIFICATIONS

Suitability	Replace T8 or T12 Lamps
Warranty	5 Years
Expected Life	> 50,000 Hours
Length	2' or 4'
Input Power, 2'	7-9 Watts <small>(subject to existing ballast factor)</small>
Input Power, 4'	13-18 Watts <small>(subject to existing ballast factor)</small>
# of Diodes, 4'	120 Surface Mount Diodes
# of Diodes, 2'	60 Surface Mount Diodes
Efficacy (5000K)	121 Lumens/Watt (+/- 10%)
Voltage	100-277 Volts AC
Beam Angle	180
Lens Type	Clear or Frosted, No Glass
Color Rendering Index (CRI)	82
Color Temperature	3500K, 4100K, or 5000K
End Caps	G13 Med Bi-Pin
Operating Temperature	-30F - 120F
Power Factor	0.92
Total Harmonic Distortion	(THD) < 15% (277 Volt)
Certifications	UL, DLC, Lighting Facts
Design Lights Consortium	Yes

## ORDERING INFORMATION: BALLAST COMPATIBLE LED TUBE

Product Series	Tube Length	Ballast Compatible	Input Wattage	Lens Type	Color Temp
LL-__-__-BC-__W-F-__K		BC			
	2		9W	F-frosted	35K - 3500
	4		18W	C-Clear	41k - 4100
					50k - 5000

EXAMPLE:

LL-T8-4-BC-18W-C-41K



Specifications are Subject to Change.