

## LED LAMPS WITH INTERNAL DRIVER | Type B



### Compact LED

Internal Driver, Convenient Installation, Instant on with no delay or warm up time, High CRI, 5 year warranty



### Linear LED

Med. Bi-pin, Internal Driver, DLC Listed, Glass tube for superior optical performance, Utilizes unshunted (rapid start) sockets, Long Life \*Also available in 0-10V dimming

### 360° Sign Lamps LED

Double-sided design, Rotatable endcaps, Compatible with sensors, Utilizes R17d sockets, Input from both ends



# Flex™

LED Solutions  
with Internal Driver



### LED FT Lamps LED

Utilizes current 2G11 sockets, Internal Driver, Compatible with controls and sensors, Instant On



### Emergency Inverter

90 Minute Illumination Time



### Espen Flex LED Lamps

Espen Flex LED lamps have an internal driver that frees linear luminaires from old fluorescent ballasts and lamps. The lamp works directly off line input voltage 120/277V. Flex lamps make convenient and effective retrofit solutions for any old T12 system, especially with magnetic ballasts. Simply remove the old fluorescent ballast and wire line voltage directly to one side of the unshunted lamp holder. Flex lamps can save you up to 50% of system power, while maintaining or increasing illumination levels. Flex lamps come in a range of sizes including linear 2ft, 3ft, 4ft, 5ft, 6ft, and 8ft. The lamps are also available as 360° sign lamps for two-sided signs.

TYPE - B

## AC Direct Input HO T5 Lamps | Double End Input

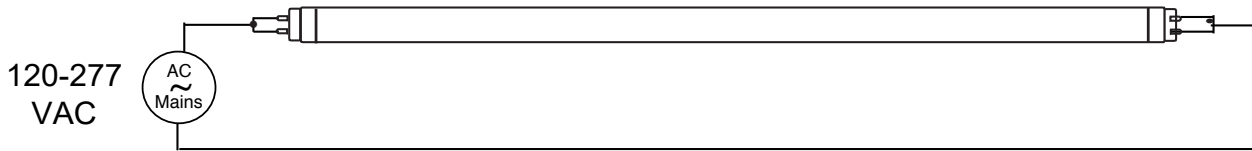


### FEATURES AND BENEFITS

- Double Ended Bypass Connection
- Internal Driver
- Glass Tube for Optimal Light Output and Heat Dissipation
- -20° F to 130° F Ambient Operating Temperature
- Frosted to Prevent Glare
- Suitable for Damp Locations
- 240° Wide Beam Angle
- 5 Year Warranty



### WIRING DIAGRAM



Model No.	Replaces	Length (in)	Lamp Power (W)	Lumens (lm)	Lamp Efficacy (lm/W)	Input Voltage (V)	CCT (K)	CRI	Life (h)
Linear T5 High Efficiency (HE)									
L48T5HE/830/12G-ID DE	F28T5HE	48	12	1800	150	120-277	3000 <sup>1</sup>	80+	50000
L48T5HE/835/12G-ID DE	F28T5HE	48	12	1800	150	120-277	3500	80+	50000
L48T5HE/840/12G-ID DE	F28T5HE	48	12	1800	150	120-277	4000	80+	50000
L48T5HE/850/12G-ID DE	F28T5HE	48	12	1800	150	120-277	5000	80+	50000

Model No.	Replaces	Length (in)	Lamp Power (W)	Lumens (lm)	Lamp Efficacy (lm/W)	Input Voltage (V)	CCT (K)	CRI	Life (h)
Linear T5 High Output (HO)									
L24T5/830/7G-ID DE	F24T5HO	24	7	900	128	120-277	3000 <sup>1</sup>	80+	50000
L24T5/835/7G-ID DE	F24T5HO	24	7	900	128	120-277	3500	80+	50000
L24T5/840/7G-ID DE	F24T5HO	24	7	900	128	120-277	4000	80+	50000
L24T5/850/7G-ID DE	F24T5HO	24	7	900	128	120-277	5000	80+	50000
L36T5/830/12G-ID DE	F39T5HO	36	12	1700	141	120-277	3000 <sup>1</sup>	80+	50000
L36T5/835/12G-ID DE	F39T5HO	36	12	1700	141	120-277	3500	80+	50000
L36T5/840/12G-ID DE	F39T5HO	36	12	1700	141	120-277	4000	80+	50000
L36T5/850/12G-ID DE	F39T5HO	36	12	1700	141	120-277	5000	80+	50000
L48T5/830/25G-ID DE	F54T5HO	48	25	3500	140	120-277	3000 <sup>1</sup>	80+	50000
L48T5/835/25G-ID DE	F54T5HO	48	25	3500	140	120-277	3500	80+	50000
L48T5/840/25G-ID DE	F54T5HO	48	25	3500	140	120-277	4000	80+	50000
L48T5/850/25G-ID DE	F54T5HO	48	25	3500	140	120-277	5000	80+	50000

TYPE - B

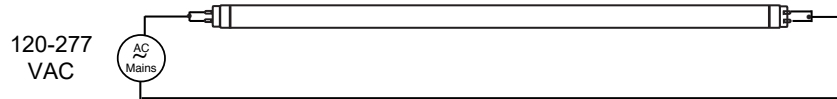
## TYPE B DOUBLE ENDED NANO PLASTIC AC DIRECT INPUT LED LAMPS



### FEATURES AND BENEFITS

- Double Ended Bypass Connection with Shunted or Non-Shunted Tombstones
- Internal Driver
- Compatible with Sensors
- Shatterproof Nano Plastic Tube
- Frosted to Prevent Glare
- -20° F to 130° F ambient operating temperature
- Suitable for damp locations
- 325° Wide Beam Angle
- 5 Year Warranty

### WIRING DIAGRAM



TYPE - B

Model No.	Replaces	Length (in)	Lamp Power (W)	Lumens (lm)	Efficacy (lm/W)	Input Voltage (V)	CCT (K)	CRI	Life (h)
<b>Linear T8</b>									
L24T8/830/9P-ID DE	F17T8	24	9	1100	122	120 - 277	3000 <sup>1</sup>	83+	50000
L24T8/835/9P-ID DE	F17T8	24	9	1100	122	120 - 277	3500	83+	50000
L24T8/840/9P-ID DE	F17T8	24	9	1100	122	120 - 277	4000	83+	50000
L24T8/850/9P-ID DE	F17T8	24	9	1100	122	120 - 277	5000	83+	50000
L36T8/830/12P-ID DE	F25T8	36	12	1400	117	120 - 277	3000 <sup>1</sup>	83+	50000
L36T8/835/12P-ID DE	F25T8	36	12	1400	117	120 - 277	3500	83+	50000
L36T8/840/12P-ID DE	F25T8	36	12	1400	117	120 - 277	4000	83+	50000
L36T8/850/12P-ID DE	F25T8	36	12	1400	117	120 - 277	5000	83+	50000
L48T8/830/12P-ID DE	F32T8	48	12	1800	150	120 - 277	3000 <sup>1</sup>	83+	50000
L48T8/835/12P-ID DE	F32T8	48	12	1800	150	120 - 277	3500	83+	50000
L48T8/840/12P-ID DE	F32T8	48	12	1800	150	120 - 277	4000	83+	50000
L48T8/850/12P-ID DE	F32T8	48	12	1800	150	120 - 277	5000	83+	50000
L48T8/830/15P-ID DE	F32T8	48	15	2200	146	120 - 277	3000 <sup>1</sup>	83+	50000
L48T8/835/15P-ID DE	F32T8	48	15	2200	146	120 - 277	3500	83+	50000
L48T8/840/15P-ID DE	F32T8	48	15	2200	146	120 - 277	4000	83+	50000
L48T8/850/15P-ID DE	F32T8	48	15	2200	146	120 - 277	5000	83+	50000
<b>Linear T5 HO</b>									
L48T5/830/25P-ID DE	F54T5HO	48	25	3500	140	120 - 277	3000 <sup>1</sup>	80+	50000
L48T5/830/25P-ID DE	F54T5HO	48	25	3500	140	120 - 277	3500	80+	50000
L48T5/830/25P-ID DE	F54T5HO	48	25	3500	140	120 - 277	4000	80+	50000
L48T5/830/25P-ID DE	F54T5HO	48	25	3500	140	120 - 277	5000	80+	50000

## AC Direct Input LED T8 Lamps | Single End Input 0-10V Dimming



### FEATURES AND BENEFITS

- Single Ended Bypass Connectin with Non-Shunted Tombstones
- 0-10V Dimmable
- Internal Driver
- Glass Tube for Optimal Light Output and Heat Dissipation
- -20°F to 130°F Ambient Operating Temperature
- Frosted to Prevent Glare
- Suitable for Damp Locations
- 325° Wide Beam Angle
- 5 Year Warranty

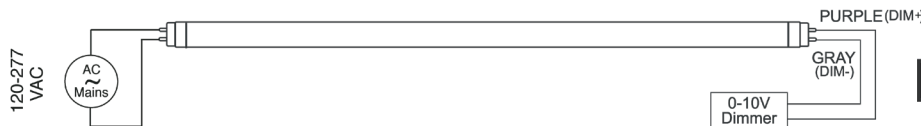


**NO**  
Shunted  
Instant Start Socket



**YES**  
Unshunted  
Rapid Start Socket

### WIRING DIAGRAM



Model No.	Replaces	Length (in)	Lamp Power (W)	Lumens (lm)	Lamp Efficacy (lm/W)	Input Voltage (V)	CCT (K)	CRI	Life (h)
<b>Linear T8</b>									
L24T8/830/9G-ID-10V	F17T8	24	9	1100	122	120 - 277	3000 <sup>2</sup>	83+	50000
L24T8/835/9G-ID-10V	F17T8	24	9	1100	122	120 - 277	3500	83+	50000
L24T8/840/9G-ID-10V	F17T8	24	9	1100	122	120 - 277	4000	83+	50000
L24T8/850/9G-ID-10V	F17T8	24	9	1100	122	120 - 277	5000	83+	50000
L36T8/830/12G-ID-10V <sup>1</sup>	F25T8	36	12	1400	117	120 - 277	3000 <sup>2</sup>	83+	50000
L36T8/835/12G-ID-10V <sup>1</sup>	F25T8	36	12	1400	117	120 - 277	3500	83+	50000
L36T8/840/12G-ID-10V <sup>1</sup>	F25T8	36	12	1400	117	120 - 277	4000	83+	50000
L36T8/850/12G-ID-10V <sup>1</sup>	F25T8	36	12	1400	117	120 - 277	5000	83+	50000
L48T8/830/14G-ID-10V	F32T8	48	14	1800	129	120 - 277	3000 <sup>2</sup>	83+	50000
L48T8/835/14G-ID-10V	F32T8	48	14	1800	129	120 - 277	3500	83+	50000
L48T8/840/14G-ID-10V	F32T8	48	14	1800	129	120 - 277	4000	83+	50000
L48T8/850/14G-ID-10V	F32T8	48	14	1800	129	120 - 277	5000	83+	50000
L48T8/830/17G-ID-10V	F32T8	48	18	2200	129	120 - 277	3000 <sup>2</sup>	83+	50000
L48T8/835/17G-ID-10V	F32T8	48	18	2200	129	120 - 277	3500	83+	50000
L48T8/840/17G-ID-10V	F32T8	48	18	2200	129	120 - 277	4000	83+	50000
L48T8/850/17G-ID-10V	F32T8	48	18	2200	129	120 - 277	5000	83+	50000

<sup>1</sup> Not DLC listed.

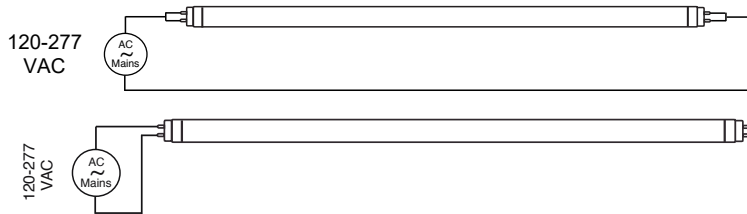
<sup>2</sup> 3000K CCT may be subject to lead times and availability.

## Linear T8 Lamps | Double End Input



### FEATURES AND BENEFITS

- Double Ended Bypass Connection with Shunted or Single End Bypass Connection with Non-Shunted Tombstones
- Internal Driver
- Glass Tube for Optimal Light Output and Heat Dissipation
- -20° F to 130° F Ambient Operating Temperature
- Instant on, No delay
- Convenient and quick installation
- Frosted to Prevent Glare
- Suitable for Damp Locations
- 325° Wide Beam Angle
- 5 Year Warranty



YES  
Shunted  
Instant Start Socket



YES  
Unshunted  
Rapid Start Socket

TYPE - B

Model No.	Replaces	Length (in)	Lamp Power (W)	Lumens (lm)	Lamp Efficacy (lm/W)	Input Voltage (V)	CCT (K)	CRI	Life (h)
<b>Linear T8</b>									
L24T8/8XX/9G-ID DE	F17T8	24	9	1100	122	120-277	3000-5000K	83+	50000
L36T8/8XX/12G-ID DE	F25T8	36	12	1400	117	120-277	3000-5000K	83+	50000

**Above Products: 8XX equals 3000K, 3500K, 4000K or 5000K Transitioning to Uniflex Type A + B Solutions, See page 21**

L48T8/830/10G-ID DE	F32T8	48	10.5	1600	152	120-277	3000	83+	50000
L48T8/835/10G-ID DE	F32T8	48	10.5	1600	152	120-277	3500 <sup>1</sup>	83+	50000
L48T8/840/10G-ID DE	F32T8	48	10.5	1600	152	120-277	4000	83+	50000
L48T8/850/10G-ID DE	F32T8	48	10.5	1600	152	120-277	5000	83+	50000
L48T8/830/12G-ID DE	F32T8	48	12	1800	150	120-277	3000 <sup>1</sup>	83+	50000
L48T8/835/12G-ID DE	F32T8	48	12	1800	150	120-277	3500	83+	50000
L48T8/840/12G-ID DE	F32T8	48	12	1800	150	120-277	4000	83+	50000
L48T8/850/12G-ID DE	F32T8	48	12	1800	150	120-277	5000	83+	50000
L48T8/830/15G-ID DE	F32T8	48	15	2200	146	120-277	3000 <sup>1</sup>	83+	50000
L48T8/835/15G-ID DE	F32T8	48	15	2200	146	120-277	3500	83+	50000
L48T8/840/15G-ID DE	F32T8	48	15	2200	146	120-277	4000	83+	50000
L48T8/850/15G-ID DE	F32T8	48	15	2200	146	120-277	5000	83+	50000



# Flex™ ArmorCoat™

AC Direct Input Slimline LED T8 Lamps | Double End Input

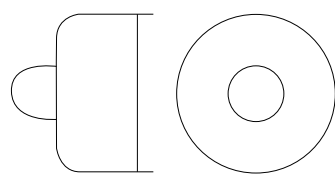
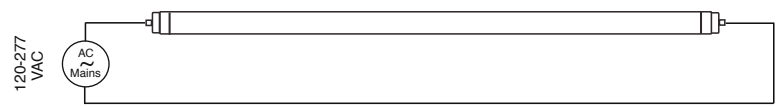


## FEATURES AND BENEFITS

- Double Ended Bypass Connection
- Internal Driver
- ArmorCoat™ Shatterproof Coating
- Glass Tube for Optimal Light Output and Heat Dissipation
- -20° F to 130° F Ambient Operating Temperature
- Bracket Included
- Frosted to Prevent Glare
- Suitable for Damp Locations
- 325° Wide Beam Angle
- 5 Year Warranty



## WIRING DIAGRAM



FA8 Base  
Single Pin

Model No.	Base Type	Replaces	Length (in)	Lamp Power (W)	Lumens (lm)	Lamp Efficacy (lm/W)	Input Voltage (V)	CCT (K)	CRI	Life (h)
<b>Slimline Linear T8</b>										
L60T8SL/830/15G-ID DE	FA8	F60T8, F60T12	60	15	2200	147	120 - 277	3000 <sup>1</sup>	83+	50000
L60T8SL/835/15G-ID DE	FA8	F60T8, F60T12	60	15	2200	147	120 - 277	3500	83+	50000
L60T8SL/840/15G-ID DE	FA8	F60T8, F60T12	60	15	2200	147	120 - 277	4000 <sup>1</sup>	83+	50000
L60T8SL/850/15G-ID DE	FA8	F60T8, F60T12	60	15	2200	147	120 - 277	5000	83+	50000
L72T8SL/830/18G-ID DE	FA8	F72T8, F72T12	72	18	2700	150	120 - 277	3000 <sup>1</sup>	83+	50000
L72T8SL/835/18G-ID DE	FA8	F72T8, F72T12	72	18	2700	150	120 - 277	3500	83+	50000
L72T8SL/840/18G-ID DE	FA8	F72T8, F72T12	72	18	2700	150	120 - 277	4000 <sup>1</sup>	83+	50000
L72T8SL/850/18G-ID DE	FA8	F72T8, F72T12	72	18	2700	150	120 - 277	5000	83+	50000
L96T8/830/24G-ID DE	FA8	F96T8, F96T12	96	24	3500	146	120 - 277	3000 <sup>1</sup>	83+	50000
L96T8/835/24G-ID DE	FA8	F96T8, F96T12	96	24	3500	146	120 - 277	3500	83+	50000
L96T8/840/24G-ID DE	FA8	F96T8, F96T12	96	24	3500	146	120 - 277	4000	83+	50000
L96T8/850/24G-ID DE	FA8	F96T8, F96T12	96	24	3500	146	120 - 277	5000	83+	50000
L96T8/830/42G-ID DE	FA8	F96T8, F96T12	96	42	5500	131	120 - 277	3000 <sup>1</sup>	83+	50000
L96T8/835/42G-ID DE	FA8	F96T8, F96T12	96	42	5500	131	120 - 277	3500	83+	50000
L96T8/840/42G-ID DE	FA8	F96T8, F96T12	96	42	5500	131	120 - 277	4000	83+	50000
L96T8/850/42G-ID DE	FA8	F96T8, F96T12	96	42	5500	131	120 - 277	5000	83+	50000

TYPE - B

<sup>1</sup> May be subject to lead times and availability.

# Flex™ ArmorCoat™

AC Direct Input HO/VHO LED T8 Lamps | Double End Input

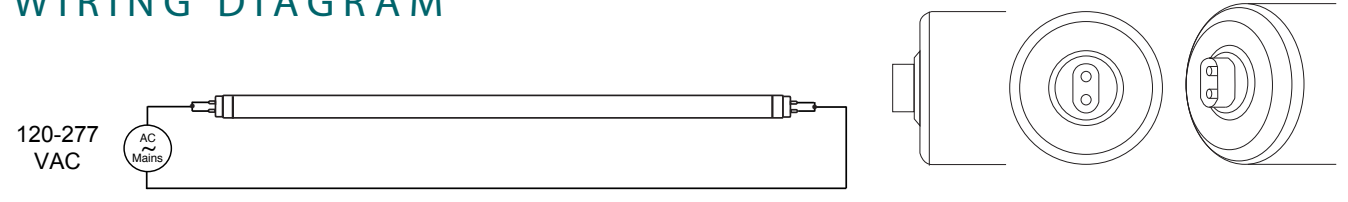


## FEATURES AND BENEFITS

- Double Ended Bypass Connection
- Internal Driver
- ArmorCoat™ Shatterproof Coating
- Glass Tube for Optimal Light Output and Heat Dissipation
- -20° F to 130° F Ambient Operating Temperature
- Integrated Thermal Fuse Protection
- Frosted to Prevent Glare
- Suitable for Damp Locations
- 325° Wide Beam Angle
- 5 Year Warranty



## WIRING DIAGRAM



TYPE - B

Model No.	Base Type	Replaces	Length (in)	Lamp Power (W)	Lumens (lm)	Lamp Efficacy (lm/W)	Input Voltage (V)	CCT (K)	CRI	Life (h)
<b>HO/VHO Linear T8</b>										
L60T8HO/830/15G-ID DE	R17d	F60T12 HO/VHO	60	15	2200	147	120 - 277	3000 <sup>1</sup>	83+	50000
L60T8HO/835/15G-ID DE	R17d	F60T12 HO/VHO	60	15	2200	147	120 - 277	3500 <sup>1</sup>	83+	50000
L60T8HO/840/15G-ID DE	R17d	F60T12 HO/VHO	60	15	2200	147	120 - 277	4000 <sup>1</sup>	83+	50000
L60T8HO/850/15G-ID DE	R17d	F60T12 HO/VHO	60	15	2200	147	120 - 277	5000 <sup>1</sup>	83+	50000
L72T8HO/830/18G-ID DE	R17d	F72T12 HO/VHO	72	18	2700	150	120 - 277	3000 <sup>1</sup>	83+	50000
L72T8HO/835/18G-ID DE	R17d	F72T12 HO/VHO	72	18	2700	150	120 - 277	3500 <sup>1</sup>	83+	50000
L72T8HO/840/18G-ID DE	R17d	F72T12 HO/VHO	72	18	2700	150	120 - 277	4000 <sup>1</sup>	83+	50000
L72T8HO/850/18G-ID DE	R17d	F72T12 HO/VHO	72	18	2700	150	120 - 277	5000 <sup>1</sup>	83+	50000
L96T8HO/830/42G-ID DE	R17d	F96T8, F96T12 HO/VHO	96	42	5500	131	120 - 277	3000 <sup>1</sup>	83+	50000
L96T8HO/835/42G-ID DE	R17d	F96T8, F96T12 HO/VHO	96	42	5500	131	120 - 277	3500 <sup>1</sup>	83+	50000
L96T8HO/840/42G-ID DE	R17d	F96T8, F96T12 HO/VHO	96	42	5500	131	120 - 277	4000 <sup>1</sup>	83+	50000
L96T8HO/850/42G-ID DE	R17d	F96T8, F96T12 HO/VHO	96	42	5500	131	120 - 277	5000 <sup>1</sup>	83+	50000

<sup>1</sup> May be subject to lead times and availability.

## LED FT Lamps



## FEATURES AND BENEFITS

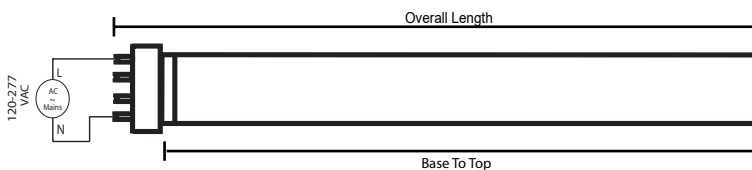
- Internal Driver
- Smooth, Consistent Light
- UL for Safety
- No UV, No Mercury
- Long Life
- High CRI
- Instant on, no delay or warm up time
- Convenient and quick installation
- Utilizes current lamp sockets
- Compatible with controls and sensors
- -20° F to 130° F Ambient Operating Temperature
- 5 Year Warranty



Model No.	Replaces	Lamp Power (W)	Lumens (lm)	Lamp Efficacy (lm/W)	Input Voltage (V)	CCT (K)	CRI	Life (h)
<b>Compact LED Lamps</b>								
LT18W/835-ID	FT18W	8	640	80	120 - 277	3500	83+	50000
LT18W/840-ID	FT18W	8	640	80	120 - 277	4000	83+	50000
LT18W/850-ID	FT18W	8	640	80	120 - 277	5000	83+	50000
LT24W/835-ID	FT24W	10	800	80	120 - 277	3500	83+	50000
LT24W/840-ID	FT24W	10	800	80	120 - 277	4000	83+	50000
LT24W/850-ID	FT24W	10	800	80	120 - 277	5000	83+	50000
LT36W/835-ID	FT36W	15	1200	80	120 - 277	3500	83+	50000
LT36W/840-ID	FT36W	15	1200	80	120 - 277	4000	83+	50000
LT36W/850-ID	FT36W	15	1200	80	120 - 277	5000	83+	50000
LT40W/835-ID	FT40W/FT55W	18	1800	80	120 - 277	3500	83+	50000
LT40W/840-ID	FT40W/FT55W	18	1800	80	120 - 277	4000	83+	50000

TYPE - B

## WIRING DIAGRAM



LT series	Overall Length (mm)	Base Face to Top (mm)
<b>Dimensions</b>		
LT40	540	493
LT36	421	374
LT24	326	278
LT18	231	183



## AC Direct Input Compact LED Lamps | Single End Input



CLD18WH



CLD18WV

### FEATURES AND BENEFITS

- Compatible with 2-Pin and 4-Pin Sockets
- Internal Driver
- -20° F to 130° F Ambient Operating Temperature
- Frosted to Prevent Glare
- Suitable for Damp Locations
- 5 Year Warranty

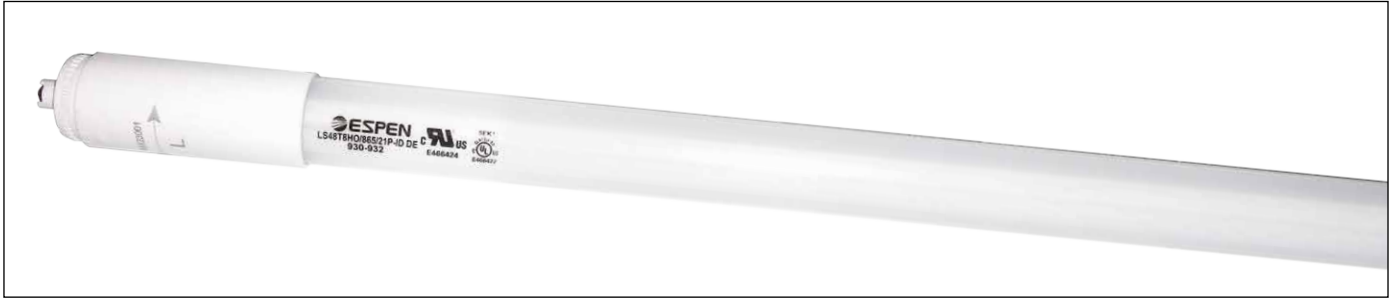


TYPE - B

Model No.	Replaces	Lamp Power (W)	Lumens (lm)	Lamp Efficacy (lm/W)	Input Voltage (V)	CCT (K)	CRI	Life (h)
<b>Compact LED Lamps</b>								
CLD18WH/830-ID	18W, 26W, 32W, 42W CFQ	8	950	118	120 - 277	3000 <sup>1</sup>	83+	50000
CLD18WH/835-ID	18W, 26W, 32W, 42W CFQ	8	950	118	120 - 277	3500	83+	50000
CLD18WH/840-ID	18W, 26W, 32W, 42W CFQ	8	950	118	120 - 277	4000	83+	50000
CLD18WH/850-ID	18W, 26W, 32W, 42W CFQ	8	950	118	120 - 277	5000	83+	50000
CLD18WV/830-ID	18W, 26W, 32W, 42W CFQ	8	950	118	120 - 277	3000 <sup>1</sup>	83+	50000
CLD18WV/835-ID	18W, 26W, 32W, 42W CFQ	8	950	118	120 - 277	3500	83+	50000
CLD18WV/840-ID	18W, 26W, 32W, 42W CFQ	8	950	118	120 - 277	4000	83+	50000
CLD18WV/850-ID	18W, 26W, 32W, 42W CFQ	8	950	118	120 - 277	5000	83+	50000

<sup>1</sup> 3000K may be subject to lead times and availability.

## 360° Sign Lamps



### FEATURES AND BENEFITS

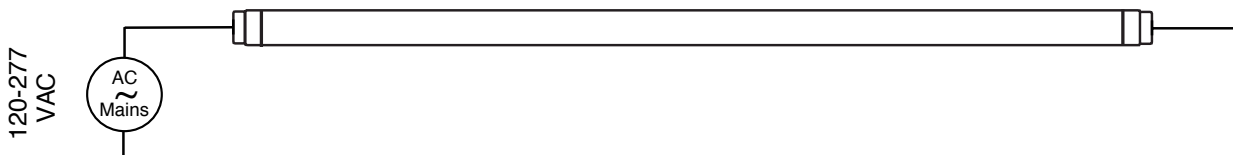
- Double-sided Design Sign Light
- 360° Beam Angle
- Rotatable End Caps
- Internal Driver
- Compatible with Sensors
- Instant On, No Delay or Warm Up Time
- Convenient and Quick Installation
- Input from Both Ends
- Utilizes R17d Sockets
- Works in Cold Temperature Applications
- Plastic tube is shatterproof
- No UV, No Mercury
- UL for Safety
- High CRI
- 5 Year Warranty



Model No.	Length (in)	Base Type	Lamp Wattage	Input Voltage (V)	CCT (K)	Initial Lumens	CRI	Beam Angle	Lamp Efficacy (lm/W)	Power Factor	THD
<b>360° Sign Lamps</b>											
LS48T8HO/840/21P-ID DE	48	R17d	21	120 - 277	4000	2500	83+	360	120	>0.90	<20%
LS48T8HO/865/21P-ID DE	48	R17d	21	120 - 277	6500	2500	83+	360	120	>0.90	<20%
LS60T8HO/840/25P-ID DE	60	R17d	25	120 - 277	4000	3000	83+	360	120	>0.90	<20%
LS60T8HO/865/25P-ID DE	60	R17d	25	120 - 277	6500	3000	83+	360	120	>0.90	<20%
LS72T8HO/840/32P-ID DE	72	R17d	32	120 - 277	4000	3840	83+	360	120	>0.90	<20%
LS72T8HO/865/32P-ID DE	72	R17d	32	120 - 277	6500	3840	83+	360	120	>0.90	<20%
LS96T8HO/840/42P-ID DE	96	R17d	42	120 - 277	4000	5000	83+	360	120	>0.90	<20%
LS96T8HO/865/42P-ID DE	96	R17d	42	120 - 277	6500	5000	83+	360	120	>0.90	<20%

TYPE - B

### WIRING DIAGRAM



## Type B Emergency LED Inverter

### FEATURES AND BENEFITS

- Emergency Inverter for most Espen Type B lamps
- Dual Input Voltage (120/277V)
- 90 Minute Illumination Time
- 32 °F to 122 °F Ambient Operating Temperature
- 3 options with different sizes and wattage output
- Durable Steel Housing Contains LED Driver & Battery
- Suitable for Damp Locations
- LED Test Switch Included
- Does Not Affect Normal Operation
- 5 Year Warranty

#### VEMB5W



- Espen Flex Type B L48T5HE/8XX/12G-ID DE and T8 for 2ft, 3ft, 4ft. Also operated PL and PLL lamps.
- Provides 5 W of power for a minimum of 90 minutes
- Lithium Ion Rechargeable Battery
- UL 924 & FCC Compliant
- Output OCV 200 VDC

#### VEMB10W



- Espen Flex Type B T 5 T 8 2 ft 3 ft, and 4 ft and Uniflex (when used as Type B) lamps.
- Provides 10 W of power for a minimum of 90 minutes
- Lithium Ion Rechargeable Battery
- UL 924 & FCC Compliant
- Output OCV 200 VDC

#### VEMB20W



- Espen Type B PL, PLL, Uniflex (when used as Type B), and T 8 and T 5 HE lamps not exceeding 20W
- Illuminates Most LEDs at Full Brightness, up to 20W for a minimum of 90 minutes
- Nickel Cadmium Rechargeable Battery
- UL 924 NFPA 101 Life Safety Code, NEC OSHA Compliant
- Output OCV 320 VDC
- IC Rated

<sup>1</sup> See [espentech.com](http://espentech.com) for inverter compatibility list.

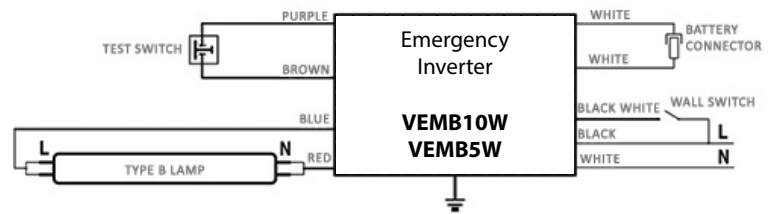
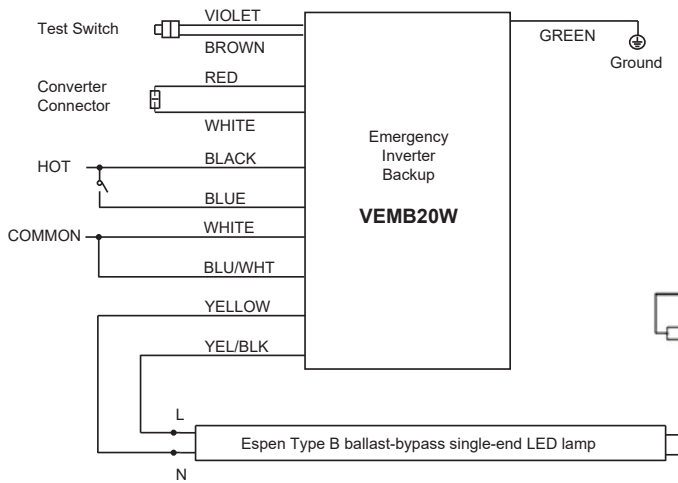
## Type B Emergency LED Inverter

Model No.	Input Voltage (V)	Output Voltage (V)	Output Power (W)
<b>Type B Emergency LED Driver</b>			
VEMB5W	120-277	OCV 200VDC	5
VEMB10W	120-277	OCV 200VDC	10
VEMB20W+	120-277	OCV 320VDC	20

+ May be subject to lead times and availability.



### WIRING DIAGRAM



TYPE - B

### DIMENSIONS

