

# RetroFlex™

PLUG & PLAY, BALLAST COMPATIBLE LED LAMPS | Type A

TYPE - A



## linearLED

Med, Bi-Pin, Single-Pin, Double-Recess Pin  
Long Life, Convenient Wiring



## RetroFlex led driver

Dedicated Driver, Instant Start  
Constant Current, 0-10V Dimming



## emergency ballast

Maintenance-Free, Long Life  
Hi-Temperature Ni-Cad Battery

# RetroFlex™

LED Solutions  
Plug and Play



Safety Coated, Shatter-Resistant Lamps



## ballast replacement

High Efficiency, Slim Profile, Instant Start,  
Program Start

## ABOUT ESPEN RETROFLEX LED LAMPS

ESPEN Retroflex LED lamps lead the industry with ballast compatible, plug & play technology. These high-performance lamps don't require any alteration to the fixture. The upgrade to LED technology is as simple as replacing the old fluorescent lamps with new Retroflex lamps. This saves you up to 50% of system power while maintaining or increasing illumination levels. These lamps work directly off your existing electronic ballasts, within your fixtures, and come in a range of shapes and sizes.

\*Please visit [www.espen-tech.com](http://www.espen-tech.com) for compatibility list.

# RetroFlex™

## Plug & Play Ballast Compatible LED T5 Lamps



### FEATURES AND BENEFITS

- LED Replacement for T5 Fluorescent Lamps
- Works with fluorescent electronic ballast (**Programmed Start, Dimming**)
- Quick and Convenient Installation
- Utilizes Existing Shunted or Non-Shunted Tombstones
- Instant on, No delay
- Convenient and quick installation
- Frosted to Prevent Glare
- Suitable for Damp Locations
- Integrated Thermal Fuse Protection
- ETL Sanitation Listed - conforms to NSF/ANSI 2
- Maintains the original UL Certification of the Fixture
- Compatible with Controls and Sensors
- Rated for Use in Food Prep Areas and Refrigerated Food Displays
- -20° F to 130° F Ambient Operating Temp
- 5 Year Warranty
- 240° Wide Beam Angle
- Dimmable 1



TYPE - A

Model No.	Replaces	Length (in)	Lamp Power (W)	System Power (W)	Lumens (lm)	Lamp Efficacy (lm/W)	Input Voltage (V)	CCT (K)	CRI	Life (h)
<b>Linear T5 High Efficiency (HE)</b>										
L48T5HE/830/13G-EB-AC	F28T5HE	48	13	16 <sup>3</sup>	1800 <sup>3</sup>	139	120 - 277 <sup>4</sup>	3000 <sup>5</sup>	83+	50000
L48T5HE/835/13G-EB-AC	F28T5HE	48	13	16 <sup>3</sup>	1800 <sup>3</sup>	139	120 - 277 <sup>4</sup>	3500	83+	50000
L48T5HE/840/13G-EB-AC	F28T5HE	48	13	16 <sup>3</sup>	1800 <sup>3</sup>	139	120 - 277 <sup>4</sup>	4000	83+	50000
L48T5HE/850/13G-EB-AC	F28T5HE	48	13	16 <sup>3</sup>	1800 <sup>3</sup>	139	120 - 277 <sup>4</sup>	5000	83+	50000
<b>Linear T5 High Efficiency (HE) Plastic</b>										
L48T5HE/850/13P-EB	F28T5HE	48	13	16 <sup>3</sup>	1600 <sup>3</sup>	123	120 - 277 <sup>4</sup>	3000 <sup>5</sup>	83+	50000
L48T5HE/850/13P-EB	F28T5HE	48	13	16 <sup>3</sup>	1600 <sup>3</sup>	123	120 - 277 <sup>4</sup>	3500	83+	50000
L48T5HE/850/13P-EB	F28T5HE	48	13	16 <sup>3</sup>	1600 <sup>3</sup>	123	120 - 277 <sup>4</sup>	4000	83+	50000
L48T5HE/850/13P-EB	F28T5HE	48	13	16 <sup>3</sup>	1600 <sup>3</sup>	123	120 - 277 <sup>4</sup>	5000	83+	50000
<b>Linear T5 High Output (HO) Plastic</b>										
L24T5/830/12P-EB	F24T5HO	24	12	15 <sup>3</sup>	1500 <sup>3</sup>	125	120 - 277 <sup>4</sup>	3000 <sup>5</sup>	83+	50000
L24T5/835/12P-EB	F24T5HO	24	12	15 <sup>3</sup>	1500 <sup>3</sup>	125	120 - 277 <sup>4</sup>	3500	83+	50000
L24T5/840/12P-EB	F24T5HO	24	12	15 <sup>3</sup>	1500 <sup>3</sup>	125	120 - 277 <sup>4</sup>	4000	83+	50000
L24T5/850/12P-EB	F24T5HO	24	12	15 <sup>3</sup>	1500 <sup>3</sup>	125	120 - 277 <sup>4</sup>	5000	83+	50000
L36T5/830/18P-EB	F39T5HO	36	18	21 <sup>3</sup>	2000 <sup>3</sup>	111	120 - 277 <sup>4</sup>	3000 <sup>5</sup>	83+	50000
L36T5/835/18P-EB	F39T5HO	36	18	21 <sup>3</sup>	2000 <sup>3</sup>	111	120 - 277 <sup>4</sup>	3500	83+	50000
L36T5/840/18P-EB	F39T5HO	36	18	21 <sup>3</sup>	2000 <sup>3</sup>	111	120 - 277 <sup>4</sup>	4000	83+	50000
L36T5/850/18P-EB	F39T5HO	36	18	21 <sup>3</sup>	2000 <sup>3</sup>	111	120 - 277 <sup>4</sup>	5000	83+	50000
L48T5/830/24P-EB	F54T5HO	48	24	27 <sup>3</sup>	3300 <sup>3</sup>	137	120 - 277 <sup>4</sup>	3000 <sup>5</sup>	83+	50000
L48T5/835/24P-EB	F54T5HO	48	24	27 <sup>3</sup>	3300 <sup>3</sup>	137	120 - 277 <sup>4</sup>	3500	83+	50000
L48T5/840/24P-EB	F54T5HO	48	24	27 <sup>3</sup>	3300 <sup>3</sup>	137	120 - 277 <sup>4</sup>	4000	83+	50000
L48T5/850/24P-EB	F54T5HO	48	24	27 <sup>3</sup>	3300 <sup>3</sup>	137	120 - 277 <sup>4</sup>	5000	83+	50000
<b>Linear T5 High Output (HO) Glass</b>										
L24T5HO/8XX/9G-EB-AC	F24T5HO	24	9	12 <sup>3</sup>	960 <sup>3</sup>	107	120 - 277 <sup>4</sup>	3000-5000	83+	50000
L36T5HO/8XX/18G-EB-AC	F39T5HO	36	18	21 <sup>3</sup>	1680 <sup>3</sup>	93	120 - 277 <sup>4</sup>	3000-5000	83+	50000
<b>Above Products: 8XX Equals 3000K, 3500K, 4000K, or 5000K Transitioning to Plastic Lamps</b>										
L48T5HO/830/24G-EB	F54T5HO	48	24	27 <sup>3</sup>	3200 <sup>3</sup>	133	120 - 277 <sup>4</sup>	3000 <sup>5</sup>	83+	50000
L48T5HO/835/24G-EB	F54T5HO	48	24	27 <sup>3</sup>	3200 <sup>3</sup>	133	120 - 277 <sup>4</sup>	3500	83+	50000
L48T5HO/840/24G-EB	F54T5HO	48	24	27 <sup>3</sup>	3200 <sup>3</sup>	133	120 - 277 <sup>4</sup>	4000	83+	50000
L48T5HO/850/24G-EB	F54T5HO	48	24	27 <sup>3</sup>	3200 <sup>3</sup>	133	120 - 277 <sup>4</sup>	5000	83+	50000

1 Restrictions when dimming T5 High Output lamps. See [espentech.com](http://espentech.com) for ballast compatibility  
 2 Not DLC listed. DLC does not regulate 3 foot lamps.  
 3 System Power and Lumens based on normal ballast factor (1.0). Operation on low or high ballast factor will yield alternate specifications.  
 4 Input Voltage is dependent on ballast brand and model number. See [espentech.com](http://espentech.com) for ballast compatibility list.  
 5 3000K CCT may be subject to lead times and availability.

# RetroFlex™



Plug & Play Ballast Compatible LED T8 Lamps: Shatterproof

TYPE - A



## FEATURES AND BENEFITS

- LED Replacement for T8 Fluorescent Lamps
- Shatterproof Nano Plastic Tube
- Works with fluorescent electronic ballast (**Instant Start, Programmed Start, Dimming**)<sup>1</sup>
- Quick and Convenient Installation
- Utilizes Existing Shunted or Non-Shunted Tombstones
- Instant on, No delay
- Convenient and quick installation
- Suitable for Damp Locations
- Integrated Thermal Fuse Protection
- ETL Sanitation Listed -conforms to NSF/ANSI 2
- Maintains the original UL Certification of the Fixture
- Compatible with Controls and Sensors
- Rated for Use in Food Prep Areas and Refrigerated Food Displays
- -20° F to 130° F Ambient Operating Temp
- 5 Year Warranty
- 325° Wide Beam Angle



Model No.	Replaces	Length (in)	Lamp Power (W)	System Power (W)	Lumens (lm)	Lamp Efficacy (lm/W)	Input Voltage (V)	CCT (K)	CRI	Life (h)
<b>Linear T8</b>										
L24T8/830/12P-EB	F17T8	24	12	14	1680	140	120 - 277	3000 <sup>3</sup>	83+	50000
L24T8/835/12P-EB	F17T8	24	12	14	1680	140	120 - 277	3500	83+	50000
L24T8/840/12P-EB	F17T8	24	12	14	1680	140	120 - 277	4000	83+	50000
L24T8/850/12P-EB	F17T8	24	12	14	1680	140	120 - 277	5000	83+	50000
L36T8/830/12P-EB	F25T8	36	12	14	1700	142	120 - 277	3000 <sup>3</sup>	83+	50000
L36T8/835/12P-EB	F25T8	36	12	14	1700	142	120 - 277	3500	83+	50000
L36T8/840/12P-EB	F25T8	36	12	14	1700	142	120 - 277	4000	83+	50000
L36T8/850/12P-EB	F25T8	36	12	14	1700	142	120 - 277	5000	83+	50000
L48T8/830/12P-EB	F32T8	48	12	14	1800	150	120 - 277	3000 <sup>3</sup>	83+	50000
L48T8/835/12P-EB	F32T8	48	12	14	1800	150	120 - 277	3500	83+	50000
L48T8/840/12P-EB	F32T8	48	12	14	1800	150	120 - 277	4000	83+	50000
L48T8/850/12P-EB	F32T8	48	12	14	1800	150	120 - 277	5000	83+	50000
L48T8/830/14P-EB	F32T8	48	14	16	2150	153	120 - 277	3000 <sup>3</sup>	83+	50000
L48T8/835/14P-EB	F32T8	48	14	16	2150	153	120 - 277	3500	83+	50000
L48T8/840/14P-EB	F32T8	48	14	16	2150	153	120 - 277	4000	83+	50000
L48T8/850/14P-EB	F32T8	48	14	16	2150	153	120 - 277	5000	83+	50000

<sup>1</sup> System Power and Lumens based on normal ballast factor (0.88). Operation on low and high ballast factor will yield alternate specification.

<sup>2</sup> Voltage is dependant on ballast brand and model number. See [espentech.com](http://espentech.com) for ballast compatibility list.

<sup>3</sup> 3000K CCT may be subject to lead times and availability.

# RetroFlex™

Glass Plug & Play | Ballast Compatible | LED T8 Lamps



## FEATURES AND BENEFITS

- No rewiring needed
- Works with fluorescent electronic ballast (**Instant Start, Programmed Start, Dimming**)<sup>1</sup>
- Long life / High CRI
- -20° F to 130° F Ambient Operating Temp
- Instant on, no delay
- Convenient and quick installation
- Utilizes existing instant start or rapid start sockets
- No Mercury, No UV
- Compatible with controls and sensors
- Works in cold temperature applications
- Glass tube for superior optical performance
- 325° Wide View Angle
- Dimmable
- 5 Year Warranty



TYPE - A

Model No.	Replaces	Length (in)	Lamp Power (W)	System Power (W)	Lumens (lm)	Lamp Efficacy (lm/W)	Input Voltage (V)	CCT (K)	CRI	Life (h)
L24T8/8XX/8G-EB	F17T8 <sup>1</sup>	24	8	10 <sup>2</sup>	1100	110	120 - 277 <sup>3</sup>	3000-5000K	83+	50000
L36T8/8XX/10G-EB	F25T8 <sup>1</sup>	36	10	13 <sup>2</sup>	1600	160	120 - 277 <sup>3</sup>	3000-5000K	83+	50000
<b>Above Products: 8XX Equals 3000K, 3500K, 4000K, or 5000K Transitioning to Unifex Type A + B Solutions. See Page 21</b>										
L48T8/830/10G-EB	F32T8 <sup>1</sup>	48	10	13 <sup>2</sup>	1600	160	120 - 277 <sup>3</sup>	3000 <sup>4</sup>	83+	50000
L48T8/835/10G-EB	F32T8 <sup>1</sup>	48	10	13 <sup>2</sup>	1600	160	120 - 277 <sup>3</sup>	3500	83+	50000
L48T8/840/10G-EB	F32T8 <sup>1</sup>	48	10	13 <sup>2</sup>	1600	160	120 - 277 <sup>3</sup>	4000	83+	50000
L48T8/850/10G-EB	F32T8 <sup>1</sup>	48	10	13 <sup>2</sup>	1600	160	120 - 277 <sup>3</sup>	5000	83+	50000
L48T8/830/12G-EB	F32T8 <sup>1</sup>	48	12	14 <sup>2</sup>	1800	150	120 - 277 <sup>3</sup>	3000	83+	50000
L48T8/835/12G-EB	F32T8 <sup>1</sup>	48	12	14 <sup>2</sup>	1800	150	120 - 277 <sup>3</sup>	3500	83+	50000
L48T8/840/12G-EB	F32T8 <sup>1</sup>	48	12	14 <sup>2</sup>	1800	150	120 - 277 <sup>3</sup>	4000	83+	50000
L48T8/850/12G-EB	F32T8 <sup>1</sup>	48	12	14 <sup>2</sup>	1800	150	120 - 277 <sup>3</sup>	5000	83+	50000
L48T8/830/14G-EB	F32T8 <sup>1</sup>	48	14	16 <sup>2</sup>	2100	150	120 - 277 <sup>3</sup>	3000 <sup>4</sup>	83+	50000
L48T8/835/14G-EB	F32T8 <sup>1</sup>	48	14	16 <sup>2</sup>	2100	150	120 - 277 <sup>3</sup>	3500	83+	50000
L48T8/840/14G-EB	F32T8 <sup>1</sup>	48	14	16 <sup>2</sup>	2100	150	120 - 277 <sup>3</sup>	4000	83+	50000
L48T8/850/14G-EB	F32T8 <sup>1</sup>	48	14	16 <sup>2</sup>	2100	150	120 - 277 <sup>3</sup>	5000	83+	50000

<sup>1</sup> See espentech.com for ballast compatibility list.  
<sup>2</sup> System Power and Lumens based on normal ballast factor (0.88). Operation on low or high ballast factor will yield alternate specifications.  
<sup>3</sup> Input Voltage is dependent on ballast brand and model number. See espentech.com for ballast compatibility list.  
<sup>4</sup> 3000K CCT may be subject to lead times and availability



# RetroFlex™

Plug & Play Ballast Compatible LED T8 Lamps | Slimline

TYPE - A



Anti-Rotation Bracket

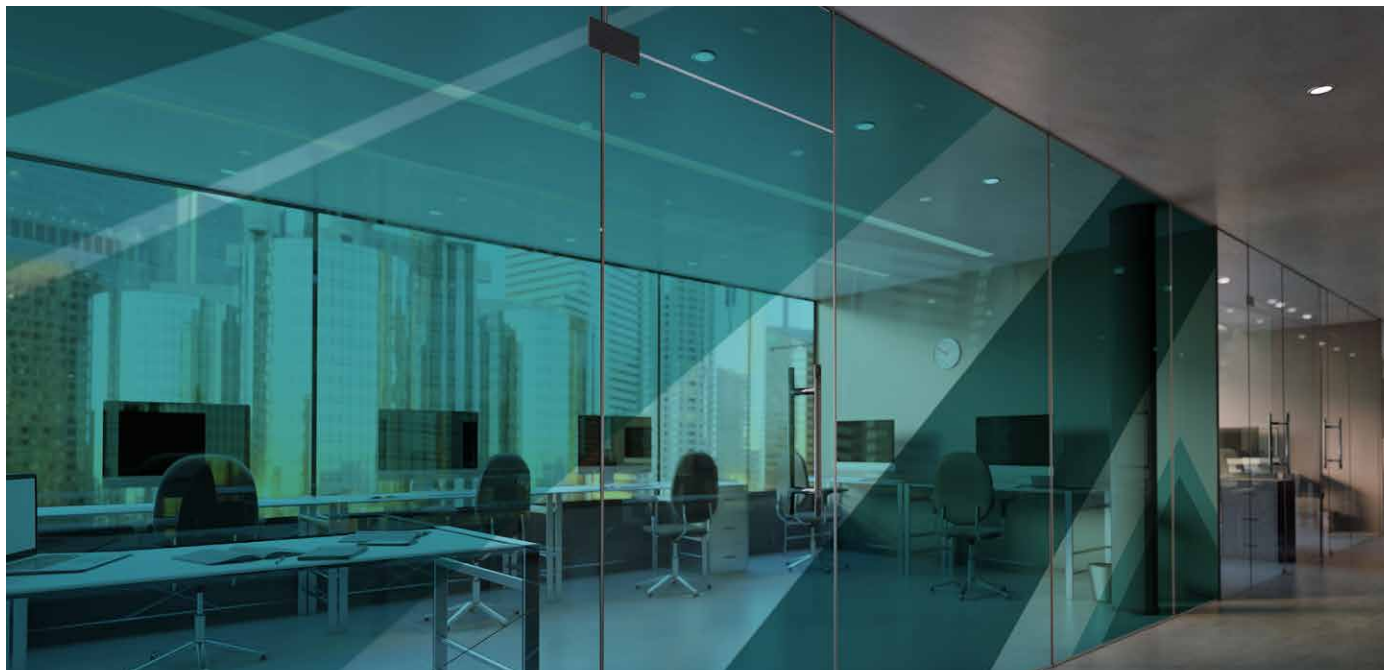


## FEATURES AND BENEFITS

- LED Replacement for T8 & T12 Fluorescent Lamps
- **ArmorCoat™** Shatterproof Coating
- **Works with fluorescent electronic ballast (Instant Start, Programmed Start, Dimming)<sup>1</sup>**
- Quick and Convenient Installation
- Utilizes Existing Shunted or Non-Shunted Tombstones
- Instant on, No delay
- Convenient and quick installation
- Frosted to Prevent Glare
- Suitable for Damp Locations
- Integrated Thermal Fuse Protection
- Maintains the original UL Certification of the Fixture
- Compatible with Controls and Sensors
- Rated for Use in Food Prep Areas and Refrigerated Food Displays
- 5 Year Warranty
- 325° Wide Beam Angle
- Dimmable
- -20° F to 130° F Ambient Operating Temp
- Glass Tube for Optimal Light Output and Heat Diffusion
- **96" Lamps ONLY Compatible with ESPEN VE259MVHIP Ballasts<sup>1</sup>**

Model No.	Replaces	Base Type	Length (in)	Lamp Power (W)	System Power (W)	Lumens (lm)	Lamp Efficacy (lm/W)	Input Voltage (V)	CCT (K)	CRI	Life (h)
<b>Single Pin Linear T8</b>											
L96T8/830/24G-EB	F96T8, F96T12	FA8	96	24	27 <sup>1</sup>	3500 <sup>2</sup>	146	120 - 277, 347 <sup>3</sup>	3000 <sup>+</sup>	83+	50000
L96T8/835/24G-EB	F96T8, F96T12	FA8	96	24	27 <sup>1</sup>	3500 <sup>2</sup>	146	120 - 277, 347 <sup>3</sup>	3500	83+	50000
L96T8/840/24G-EB	F96T8, F96T12	FA8	96	24	27 <sup>1</sup>	3500 <sup>2</sup>	146	120 - 277, 347	4000	83+	50000
L96T8/850/24G-EB	F96T8, F96T12	FA8	96	24	27 <sup>1</sup>	3500 <sup>2</sup>	146	120 - 277, 347	5000	83+	50000

<sup>1</sup> System Power and Lumens based on normal ballast factor (0.88). Operation on low or high ballast factor will yield alternate specifications.  
<sup>2</sup> Input Voltage is dependent on ballast brand and model number. See [espen.tech.com](http://espen.tech.com) for ballast compatibility list.  
<sup>3</sup> 3000K and 3500K may be subject to lead times and availability.



# RetroFlex™

Plug & Play | Ballast Compatible | Compact LED Bulbs



## FEATURES AND BENEFITS

- Comply with UL 1993/UL18750
- Comply with FCC 47 PART 15 CLASS B
- Works with electronic ballast (instant start, rapid start and program start)
- No UV, No Mercury
- Quick Installation
- High Lumen
- Extended Life
- High Quality Color Rendering
- Five year Limited Warranty



Model No.	Replaces	Base Type	Length	Lamp Power (W)	System Power (W)	Lumens (lm)	Lamp Efficacy (lm/W)	Input Voltage (V)	CCT (K)	CRI	Life (h)
<b>CLQ Compact lamps</b>											
CLQ18WH/827-EB	26W	G24q	6.65	9	12	900	100	120 - 277 <sup>1</sup>	2700	82	50000
CLQ18WH/830-EB	26W	G24q	6.65	9	12	900	100	120 - 277 <sup>1</sup>	3000	82	50000
CLQ18WH/835-EB	26W	G24q	6.65	9	12	900	100	120 - 277 <sup>1</sup>	3500	82	50000
CLQ18WH/840-EB	26W	G24q	6.65	9	12	900	100	120 - 277 <sup>1</sup>	4000	82	50000
CLQ18WH/850-EB	26W	G24q	6.65	9	12	900	100	120 - 277 <sup>1</sup>	5000	82	50000
CLQ18WV/827-EB	26W	G24q	4.68	9	12	900	100	120 - 277 <sup>1</sup>	2700	82	50000
CLQ18WV/830-EB	26W	G24q	4.68	9	12	900	100	120 - 277 <sup>1</sup>	3000	82	50000
CLQ18WV/835-EB	26W	G24q	4.68	9	12	900	100	120 - 277 <sup>1</sup>	3500	82	50000
CLQ18WV/840-EB	26W	G24q	4.68	9	12	900	100	120 - 277 <sup>1</sup>	3000	82	50000
CLQ18WV/850-EB	26W	G24q	4.68	9	12	900	100	120 - 277 <sup>1</sup>	3500	82	50000



## FEATURES AND BENEFITS

- Comply with UL 1993/UL1598
- Comply with FCC 47 PART 15 CLASS B
- 18W/26W G24d magnetic ballast compatible
- No UV, No Mercury
- Quick Installation
- High Lumen
- Extended Life
- High Quality Color Rendering
- Five year Limited Warranty



Model No.	Replaces	Base Type	Length	Lamp Power (W)	System Power (W)	Lumens (lm)	Lamp Efficacy (lm/W)	Input Voltage (V)	CCT (K)	CRI	Life (h)
<b>CLD Compact lamps</b>											
CLD18WH/827-MB	26W	G24d	6.65	9	12	900	100	120 - 277 <sup>1</sup>	2700	82	50000
CLD18WH/830-MB	26W	G24d	6.65	9	12	900	100	120 - 277 <sup>1</sup>	3000	82	50000
CLD18WH/835-MB	26W	G24d	6.65	9	12	900	100	120 - 277 <sup>1</sup>	3500	82	50000
CLD18WH/840-MB	26W	G24d	6.65	9	12	900	100	120 - 277 <sup>1</sup>	4000	82	50000
CLD18WH/850-MB	26W	G24d	6.65	9	12	900	100	120 - 277 <sup>1</sup>	5000	82	50000
CLD18WV/827-MB	26W	G24d	4.68	9	12	900	100	120 - 277 <sup>1</sup>	2700	82	50000
CLD18WV/830-MB	26W	G24d	4.68	9	12	900	100	120 - 277 <sup>1</sup>	3000	82	50000
CLD18WV/835-MB	26W	G24d	4.68	9	12	900	100	120 - 277 <sup>1</sup>	3500	82	50000
CLD18WV/840-MB	26W	G24d	4.68	9	12	900	100	120 - 277 <sup>1</sup>	3000	82	50000
CLD18WV/850-MB	26W	G24d	4.68	9	12	900	100	120 - 277 <sup>1</sup>	3500	82	50000

<sup>1</sup> Input Voltage is dependent on ballast brand and model number. See [espentech.com](http://espentech.com) for ballast compatibility list.

# RetroFlex™

LED Drivers & Ballasts for Type A Lamps

TYPE - A

## NON-DIMMABLE DRIVERS FEATURES AND BENEFITS

- Constant Current
- Universal Voltage (120-277V)
- 5 Year Warranty
- Energy Efficient Design
- Micro Case: Same mounting for T8 and T12 ballasts
- High Performance
- Model No.: VEL50BN-2C (2 LAMP)  
VEL100BN-4C (4 LAMP)
- 5 Year Limited Warranty



## DIMMABLE DRIVERS FEATURES AND BENEFITS

- Constant Current
- 0-10V Continuous Dimming: 10%-100%
- Universal Voltage (120-277V)
- Slim Profile
- 5 Year Warranty
- Model No.: VEL30BN-2C-10V (2 LAMP)  
VEL60BN-4C-10V (4 LAMP)



## ELECTRONIC BALLASTS FEATURES AND BENEFITS

- Full Ballast Line
- Slim Profile
- Lamp Auto Restrike
- High Efficiency
- Commercial Ballasts Backed by 5-year Warranty



Model No.	Type	Lamps	Voltage	Method
VE2P32MVHIPE	F17T8-F32T8	1 or 2	120-277V	Instant Start
VE259MVHIP	F96T8	2	120-277V	Instant Start
VE254MVHRP	F54T5HO	2	120-277V	Program Start
VE454MVHRP	F54T5HO	4	120-277V	Program Start

SUGGESTED BALLAST REPLACEMENTS FOR RETROFLEX LED LAMPS.  
FOR MORE BALLAST OPTIONS PLEASE CHECK ESPEN WEBSITE WWW.ESPENTECH.COM

# RetroFlex™

Type-A Emergency Ballasts for T5 and T8 Lamps

## FEATURES AND BENEFITS

TYPE - A



500 Lumens

### VEM500DV-L - Emergency Ballast

- Dual Input Voltage (120/277V)
- Maintenance Free, Long Life
- High Temperature Ni-Cad Battery
- Durable, Heavy-Duty Steel Housing
- 1-lamp: 500 lumens
- 5 Year Warranty



700 Lumens

### VEM700DV-L - Emergency Ballast

- Dual Input Voltage (120/277V)
- Maintenance Free, Long Life
- High Temperature Ni-Cad Battery
- Durable, Heavy-Duty Steel Housing
- 1-lamp: 700 lumens | 2-lamp: 700 lumens
- 5 Year Warranty



800 Lumens

### VEM800DV-L - Emergency Ballast

- Dual Input Voltage (120/277V)
- Maintenance Free, Long Life
- High Temperature Ni-Cad Battery
- Durable, Heavy-Duty Steel Housing
- 1-lamp: 800 lumens
- Slim Design
- 5 Year Warranty



1300 Lumens

### VEM1300DV-L - Emergency Ballast

- Dual Input Voltage (120/277V)
- Maintenance Free, Long Life
- High Temperature Ni-Cad Battery
- Durable, Heavy-Duty Steel Housing
- 1-lamp: 1,300 lumens | 2-lamp: 1,300 lumens
- Slim Design
- 5 Year Warranty



Model No.	Type	Lumens	Voltage (V)	Operation Hours	Case
VEM500DV-L	Emergency Ballast	500	120/277	90 mins	Regular
VEM700DV-L	Emergency Ballast	700	120/277	90 mins	Regular
VEM800DV-L	Emergency Ballast	800	120/277	90 mins	Slim
VEM1300DV-L	Emergency Ballast	1300	120/277	90 mins	Slim

\* Operating hours, 90min at full lumen output.  
 \*\* EM ballast wil continue to produce light after 90min, but lumen output will reduce over time.