

|               |       |
|---------------|-------|
| Project Name: | Type: |
| Part Number:  | Date: |

# DOUBLE ENDED BYPASS T8

## FEATURES

- Utilizes existing lamp holders – shunted or non-shunted
- Operates directly on 120-277V line voltage
- Replaces 4' T8 Fluorescent lamp
- Ultra-high efficacy up to 170LPW available in 4'
- Opaque glass lens reduces glare
- 10T8/4F/8xx/DEB/C models include film coating to add shatter resistance
- 310° wide light emitting area
- Built-in safety switch prevents electrical shock during installation
- Suitable for use in enclosed fixture and damp locations
- UL 1598C classified
- Fixture operating temperature: -4°F to 95°F (-20°C to 35°C)
- Lamp ambient temperature: -4°F to 113°F (-20°C to 45°C)
- L70 rated lifetime up to 60,000 hours
- 5 year limited warranty\* / 10 year available  
(see EXTENDED WARRANTIES table for information)
- NSF listed – National Sanitation Foundation



## SPECIFICATIONS

| Product | Model               | Nominal Length | Equiv. | Input Voltage | Life (hrs) | Wattage (W) | Lumens (lm) | CCT   | CRI | Efficacy (LPW) | Power Factor | THD  | Beam Angle | Film coated | DLC | NSF |
|---------|---------------------|----------------|--------|---------------|------------|-------------|-------------|-------|-----|----------------|--------------|------|------------|-------------|-----|-----|
| 97934   | 8.5T8/2F/830/DEB/RC | 2'             | 17W    | 120-277V      | 60,000     | 8.5         | 1,050       | 3000K | 82  | 124            | 0.9          | <20% | 160°       | N.A.        | ✓   | ✓   |
| 35651   | 10T8/4F/830/DEB     | 4'             | 32W    | 120-277V      | 60,000     | 10          | 1,650       | 3000K | 82  | 165            | 0.9          | <20% | 160°       | N.A.        | ✓   | ✓   |
| 35652   | 10T8/4F/835/DEB     | 4'             | 32W    | 120-277V      | 60,000     | 10          | 1,650       | 3500K | 82  | 165            | 0.9          | <20% | 160°       | N.A.        | ✓   | ✓   |
| 35653   | 10T8/4F/840/DEB     | 4'             | 32W    | 120-277V      | 60,000     | 10          | 1,700       | 4000K | 82  | 170            | 0.9          | <20% | 160°       | N.A.        | ✓   | ✓   |
| 35654   | 10T8/4F/850/DEB     | 4'             | 32W    | 120-277V      | 60,000     | 10          | 1,700       | 5000K | 82  | 170            | 0.9          | <20% | 160°       | N.A.        | ✓   | ✓   |
| 35658   | 12T8/4F/835/DEB     | 4'             | 32W    | 120-277V      | 60,000     | 12          | 1,700       | 3500K | 82  | 142            | 0.9          | <20% | 160°       | N.A.        | ✓   | ✓   |
| 35660   | 12T8/4F/850/DEB     | 4'             | 32W    | 120-277V      | 60,000     | 12          | 1,800       | 5000K | 82  | 150            | 0.9          | <20% | 160°       | N.A.        | ✓   | ✓   |
| 35662   | 14T8/4F/835/DEB/R   | 4'             | 32W    | 120-277V      | 60,000     | 14          | 2,100       | 3500K | 82  | 150            | 0.9          | <20% | 160°       | N.A.        | ✓   | ✓   |
| 35664   | 17T8/4F/835/DEB     | 4'             | 32W    | 120-277V      | 60,000     | 17          | 2,100       | 3500K | 82  | 124            | 0.9          | <20% | 160°       | N.A.        | ✓   | ✓   |
| 98434   | 17T8/4F/850/DEB     | 4'             | 32W    | 120-277V      | 60,000     | 17          | 2,200       | 5000K | 82  | 129            | 0.9          | <20% | 160°       | N.A.        | ✓   | ✓   |

\* Please visit [www.greencreative.com](http://www.greencreative.com) for Limited Warranty terms.

## DIMENSION & WEIGHT

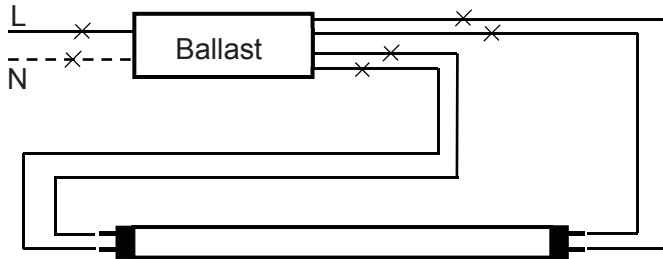


| Model  | 8.5T8/2F | 12T8/3F | 10T8/4F<br>14.5T8/4F | 14T8/4F<br>17T8/4F |
|--------|----------|---------|----------------------|--------------------|
| Base   | G13      | G13     | G13                  |                    |
| MOL    | 23-3/4"  | 35-3/4" | 47-3/4"              |                    |
| Dia.   | 1-1/16"  | 1-1/16" | 1-1/16"              |                    |
| Weight | 0.40lb   | 0.46lb  | 0.57lb               |                    |

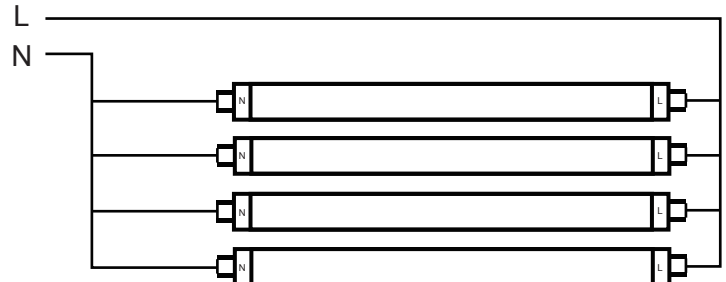
Where xxx means 824-965 which indicates CRI and color temperature

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## INSTALLATION

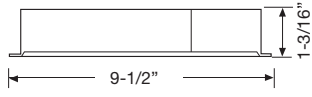
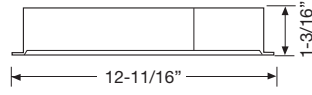
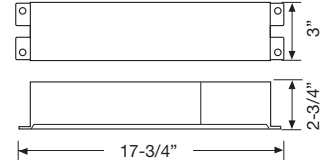
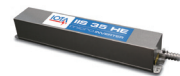
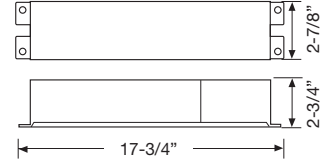


Step 1. Cut all wires connected to the existing ballast, remove the ballast.



Step 2. Connect the lamps according to the above wiring diagram

## ACCESSORY ORDERING INFORMATION

| Product | Model            | Description                                                                     | Pictures                                                                             | Dimensions                                                                            |
|---------|------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 34958   | 5EMDRIVER**      | 5W Emergency LED Driver                                                         |    |    |
| 34959   | 10EMDRIVER**     | 10W Emergency LED Driver                                                        |   |   |
| 58012   | 35EMINVERTER**   | 35W Emergency Inverter<br>(Field Installation)                                  |  |  |
| 58013   | 35EMINVERTER/CEC | California Title 20 Compliant<br>35W Emergency Inverter<br>(Field Installation) |  |  |

\*\*Does not meet Title 20 appliance requirements, not for use in California

## EXTENDED WARRANTIES\*\*\*\*\*

| Model                        | Description*****                         |
|------------------------------|------------------------------------------|
| 8.5T8/2F/DEB/10YEARWARRANTY  | 10 Year warranty for 8.5T8/2F/8xx/DEB/yy |
| 10T8/4F/DEB/10YEARWARRANTY   | 10 Year warranty for 10T8/4F/8xx/DEB/yy  |
| 10T8/4F/DEB/C/10YEARWARRANTY | 10 Year warranty for 10T8/4F/8xx/DEB/yy  |
| 12T8/3F/DEB/10YEARWARRANTY   | 10 Year warranty for 12T8/3F/8xx/DEB/yy  |
| 12T8/4F/DEB/10YEARWARRANTY   | 10 Year warranty for 12T8/4F/8xx/DEB/yy  |
| 14T8/4F/DEB/10YEARWARRANTY   | 10 Year warranty for 14T8/4F/8xx/DEB/yy  |
| 17T8/4F/DEB/10YEARWARRANTY   | 10 Year warranty for 17T8/4F/8xx/DEB/yy  |

\*\*\*\* Warranty based on a maximum of 4,368 annual operating hours (per year for ten years) and exposure to a maximum fixture operating temperature of 80°F / 27°C.

\*\*\*\*\* xx – Refers to the CCT yy – Refers to model generations within the same nominal performance. Typically blank, 'R', or 'RC'



GREENCREATIVE

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## CERTIFICATION INFORMATION

| Model | Model               | DLC ID#      |
|-------|---------------------|--------------|
| 97934 | 8.5T8/2F/830/DEB/RC | P4YRUIFM     |
| 97935 | 8.5T8/2F/835/DEB/RC | PMJZKGWE     |
| 97936 | 8.5T8/2F/840/DEB/RC | PO7AV8RC     |
| 35663 | 8.5T8/2F/850/DEB/RC | PHHF7HB4     |
| 35651 | 10T8/4F/830/DEB     | PG41GBJ9     |
| 35652 | 10T8/4F/835/DEB     | PQB6414I     |
| 35653 | 10T8/4F/840/DEB     | P9ETQ932     |
| 35654 | 10T8/4F/850/DEB     | P9X93281     |
| 35649 | 10T8/4F/840/DEB/C   | PDTQXQD7     |
| 35650 | 10T8/4F/850/DEB/C   | PF6QUESI     |
| 98340 | 12T8/3F/830/DEB/R   | PG6LW697     |
| 98341 | 12T8/3F/835/DEB/R   | PE5VVPHX     |
| 98342 | 12T8/3F/840/DEB/R   | PYHJEENI     |
| 35657 | 12T8/4F/830/DEB     | PABCL9YC     |
| 35658 | 12T8/4F/835/DEB     | P5NF1KLQ     |
| 35659 | 12T8/4F/840/DEB     | PEWGGQ3YD    |
| 35660 | 12T8/4F/850/DEB     | PXTT2NU6     |
| 35662 | 14T8/4F/835/DEB/R   | PULR2ZS2     |
| 35655 | 14T8/4F/840/DEB/R   | PDBA9P43     |
| 35656 | 14T8/4F/850/DEB/R   | PJLJNQ7W     |
| 35664 | 17T8/4F/835/DEB     | PL5COVZKZX0L |
| 98433 | 17T8/4F/840/DEB     | PLVBDRVHKLH2 |
| 98434 | 17T8/4F/850/DEB     | PL6QCFTA66UC |

## ORDERING INFORMATION

| Model               | Master Carton |                         |             | Shipping Carton |                                 |             |
|---------------------|---------------|-------------------------|-------------|-----------------|---------------------------------|-------------|
|                     | Case Qty      | Case Dimensions (LxWxH) | Case Weight | Case Qty        | Case Dimensions (LxWxH)         | Case Weight |
| 8.5T8/2F/8xx/DEB/RC | NA            | NA                      | NA          | 25PCS           | 25-9/16" x 5-15/16" x 5-15/16"  | 7.6 lb      |
| 10T8/4F/8xx/DEB     | NA            | NA                      | NA          | 25PCS           | 48-13/16" x 5-15/16" x 5-15/16" | 13.6 lb     |
| 10T8/4F/8xx/DEB/C   | NA            | NA                      | NA          | 25PCS           | 48-13/16" x 5-15/16" x 5-15/16" | 13.6 lb     |
| 12T8/3F/8xx/DEB/R   | NA            | NA                      | NA          | 25PCS           | 37-7/16" x 5-15/16" x 5-15/16"  | 10.6 lb     |
| 12T8/4F/8xx/DEB     | NA            | NA                      | NA          | 25PCS           | 48-13/16" x 5-15/16" x 5-15/16" | 13.6 lb     |
| 14T8/4F/8xx/DEB/R   | NA            | NA                      | NA          | 25PCS           | 48-13/16" x 5-15/16" x 5-15/16" | 13.6 lb     |
| 17T8/4F/8xx/DEB     | NA            | NA                      | NA          | 25PCS           | 48-13/16" x 5-15/16" x 5-15/16" | 13.6 lb     |

Where xxx means 824-965 which indicates CRI and color temperature

Note: All rights reserved. All sizes and specifications are subject to change at any time without notice.