

tubul**ARCH**

# LT8F | Static | UL B

Product Data Sheet

## Project Details

Project Name:

Fixture Schedule:

Project Number:

Notes:



## Physical Features

|                        |                                       |
|------------------------|---------------------------------------|
| <b>Product Series:</b> | tubulARCH   Spec Grade                |
| <b>Lamp Type:</b>      | LED T8 Single & Double-Ended   Type B |
| <b>Base Type:</b>      | G13 Bi-Pin                            |
| <b>Wattage Eqv:</b>    | 32W (4FT)   59W (8FT)                 |
| <b>CCT Options:</b>    | 3000K   3500K   4100K   5000K         |
| <b>Operating Temp:</b> | -4°F to 113°F                         |
| <b>Regulatory:</b>     | UL Damp Location                      |
| <b>QPL Rebate:</b>     | DLC Standard                          |
| <b>Warranty:</b>       | 7 Years   50,000 Hours                |

## Model Specifications

| Model <sup>1</sup> | Length (FT) | Watt (W)   Lumen <sup>2</sup> | CCT                                      | LPW     |
|--------------------|-------------|-------------------------------|------------------------------------------|---------|
| LT8F209            | 2FT         | 9W   ~1200LM                  | 3000K /<br>3500K /<br>4100K /<br>5000K / | 139LM/W |
| LT8F409            | 4FT         | 8.9W   ~1700LM                |                                          | 193LM/W |
| LT8F410            | 4FT         | 10W   ~1700LM                 |                                          | 172LM/W |
| LT8F412            | 4FT         | 12W   ~1800LM                 |                                          | 150LM/W |
| LT8F415            | 4FT         | 15W   ~2000LM                 |                                          | 133LM/W |
| LT8F418            | 4FT         | 18W   ~3000LM                 |                                          | 167LM/W |
| LT8F842            | 8FT         | 42W   ~5550LM                 |                                          | 133LM/W |

<sup>1</sup> Please refer to **DLC Model Guide and Performance Specifications** on page 4 for detailed performance.

<sup>2</sup> Measured at 5000K.

## Certifications



## Applications



Office Space



School



Hospitals



Commercial Buildings

## Product Warranty \*



7-Year



50,000 Hrs

\* Standard warranty. Extended warranty available.

## Key Features

- ✓ Full Length Glass Lens With 320° Light Distribution
- ✓ Instant-ON w/ No Visible Flicker
- ✓ Uniform, End To End Light Output W/ Zero Pixelation
- ✓ Universal Input Voltage: 120-277V
- ✓ Simple Ballast Bypass, Easy Retrofit for Common Fluorescent Fixtures
- ✓ Suitable For Enclosed, Dry And Damp Locations

## Master Carton Dimension and Weight

| Model      | Package Length | Package Width | Package Height | Package Weight | QTY/Case |
|------------|----------------|---------------|----------------|----------------|----------|
| LT8 SERIES | 50.00 in       | 6.69 in       | 7.28 in        | 13.23 lb       | 25       |

Archipelago Lighting, Inc.

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Ordering Guide

| Model Numbers                                                | Family           | Lamp Type       | Length  | Wattage   | CCT                                                  | Operation                          |
|--------------------------------------------------------------|------------------|-----------------|---------|-----------|------------------------------------------------------|------------------------------------|
| LT8F20930DE5<br>LT8F20935DE5<br>LT8F20941DE5<br>LT8F20950DE5 | LT   Linear Tube | 8F   T8 Frosted | 2   2FT | 09   9W   | 30   3000K<br>35   3500K<br>41   4100K<br>50   5000K | DE5   Single & Double-Ended Type B |
| LT8F40930DE5<br>LT8F40935DE5<br>LT8F40941DE5<br>LT8F40950DE5 | LT   Linear Tube | 8F   T8 Frosted | 4   4FT | 09   8.9W | 30   3000K<br>35   3500K<br>41   4100K<br>50   5000K | DE5   Single & Double-Ended Type B |
| LT8F41030DE5<br>LT8F41035DE5<br>LT8F41041DE5<br>LT8F41050DE5 | LT   Linear Tube | 8F   T8 Frosted | 4   4FT | 10   10W  | 30   3000K<br>35   3500K<br>41   4100K<br>50   5000K | DE5   Single & Double-Ended Type B |
| LT8F41230DE5<br>LT8F41235DE5<br>LT8F41241DE5<br>LT8F41250DE5 | LT   Linear Tube | 8F   T8 Frosted | 4   4FT | 12   12W  | 30   3000K<br>35   3500K<br>41   4100K<br>50   5000K | DE5   Single & Double-Ended Type B |
| LT8F41530DE5<br>LT8F41535DE5<br>LT8F41541DE5<br>LT8F41550DE5 | LT   Linear Tube | 8F   T8 Frosted | 4   4FT | 15   15W  | 30   3000K<br>35   3500K<br>41   4100K<br>50   5000K | DE5   Single & Double-Ended Type B |
| LT8F41830DE5<br>LT8F41835DE5<br>LT8F41841DE5<br>LT8F41850DE5 | LT   Linear Tube | 8F   T8 Frosted | 4   4FT | 18   18W  | 30   3000K<br>35   3500K<br>41   4100K<br>50   5000K | DE5   Single & Double-Ended Type B |
| LT8F84230DE5<br>LT8F84235DE5<br>LT8F84241DE5<br>LT8F84250DE5 | LT   Linear Tube | 8F   T8 Frosted | 8   8FT | 42   42W  | 30   3000K<br>35   3500K<br>41   4100K<br>50   5000K | DE5   Single & Double-Ended Type B |

Ordering number example:

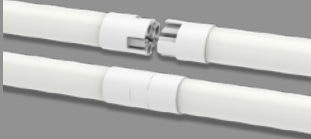
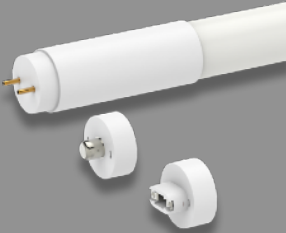
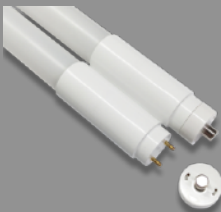
Choose your model specifications:

|                                           |              |        |           |        |         |     |           |
|-------------------------------------------|--------------|--------|-----------|--------|---------|-----|-----------|
| LT8F41241DE5                              |              | LT     | 8F        | 4      | 12      | 41  | DE5       |
| Please place dashes (-) in correct order. | Model Series | Family | Lamp Type | Length | Wattage | CCT | Operation |

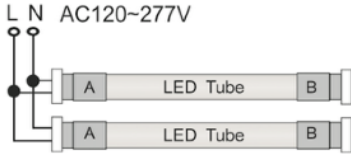
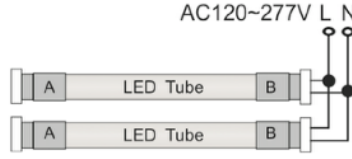
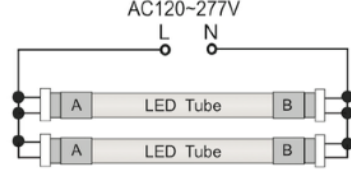
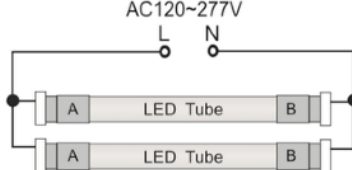




## Key Features and Specifications

|                                                                                  |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |  |
| Combine 2 separate 4ft halves for 8ft tube                                       | Extend from standard G13 end cap                                                  | Optional FAB end cap adaptor                                                      | Optional R17d Endcap Adaptor                                                        | Current Leakage Protection: UL1993                                                  |
| Easy-to-pick/pack/ship                                                           | Constant power output                                                             | Prevents dead pixels                                                              | Eases inventory control                                                             | Comes with clip holder                                                              |

## Installation Methods

| Installation Methods                                                                                                                              | Configuration Diagrams                                                              |                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <b>Bypass Single-Ended (UL-B)</b><br><br>Make sure to use non-shunted lamp-holder for connection to the powered end.                              |   |   |
| <b>Bypass Double-Ended (UL-B)</b><br><br>May be wired as bi-pin powered or single-pin powered as shown in the configuration diagram to the right. |  |  |

## DLC Model Guide and Performance Specifications

| MODEL NUMBERS                                                | DLC PRODUCT ID                                                | BARE LAMP (UL-B) (W) | LUMEN                                | EFFICACY                                 | CCT                              | CRI | PF    | INPUT VOLTAGE       |
|--------------------------------------------------------------|---------------------------------------------------------------|----------------------|--------------------------------------|------------------------------------------|----------------------------------|-----|-------|---------------------|
| LT8F41030DE5<br>LT8F41035DE5<br>LT8F41041DE5<br>LT8F41050DE5 | PL0I9SXTGHI<br>PLZU71BSGVC5<br>PL9DI3MMZVYH<br>PLSMGLUDZSJV   | 10W                  | 1650LM<br>1670LM<br>1685LM<br>1705LM | 160LM/W<br>160LM/W<br>172LM/W<br>172LM/W | 3000K<br>3500K<br>4100K<br>5000K | ≥83 | ≥0.90 | 120-277V<br>50/60Hz |
| LT8F41230DE5<br>LT8F41235DE5<br>LT8F41241DE5<br>LT8F41250DE5 | PLN4JZ6JKG9R<br>PLRE85IOL6QZ<br>PL8XATZD4R28<br>PLO178MJCOH6  | 12W                  | 1747LM<br>1750LM<br>1800LM<br>1800LM | 142LM/W<br>142LM/W<br>150LM/W<br>150LM/W | 3000K<br>3500K<br>4100K<br>5000K | ≥83 | ≥0.90 | 120-277V<br>50/60Hz |
| LT8F41530DE5<br>LT8F41535DE5<br>LT8F41541DE5<br>LT8F41550DE5 | PL38D1N5WTKP<br>PL566A9WR00Q<br>PLU858BBOKOV<br>PL1DESH8ZMRC  | 15W                  | 2215LM<br>2260LM<br>2280LM<br>2300LM | 120LM/W<br>120LM/W<br>130LM/W<br>130LM/W | 3000K<br>3500K<br>4100K<br>5000K | ≥83 | ≥0.90 | 120-277V<br>50/60Hz |
| LT8F41830DE5<br>LT8F41835DE5<br>LT8F41841DE5<br>LT8F41850DE5 | PLUQ389KOHGK<br>PLNX408IDHCH<br>PLL3400GKKT7<br>PLFEV6EMECJ8  | 18W                  | 2393LM<br>2323LM<br>2367LM<br>2400LM | 120LM/W<br>120LM/W<br>125LM/W<br>125LM/W | 3000K<br>3500K<br>4100K<br>5000K | ≥83 | ≥0.90 | 120-277V<br>50/60Hz |
| LT8F84230DE5<br>LT8F84235DE5<br>LT8F84241DE5<br>LT8F84250DE5 | PL LHG1YFK4RR<br>PLX53RP3TCYI<br>PLQATBG43W5F<br>PLTQNOJ1P34Y | 42W                  | 5300LM<br>5400LM<br>5550LM<br>5650LM | 136LM/W<br>128LM/W<br>140LM/W<br>142LM/W | 3000K<br>3500K<br>4100K<br>5000K | ≥83 | ≥0.90 | 120-277V<br>50/60Hz |



## tubulARCH | T8 Lineup Comparison

|     | K5-Series (UL-A) |   |             | DE5-Series (UL-B) |       |   | U5-Series (UL-A and UL-B) |  |       |   |             |
|-----|------------------|---|-------------|-------------------|-------|---|---------------------------|--|-------|---|-------------|
|     | CCT              | → | Part Number |                   | CCT   | → | Part Number               |  | CCT   | → | Part Number |
| 2FT |                  |   |             |                   |       |   |                           |  |       |   |             |
| 8W  |                  |   |             |                   |       |   |                           |  | 3000K | → | LT8F20830U5 |
|     |                  |   |             |                   |       |   |                           |  | 3500K | → | LT8F20835U5 |
|     |                  |   |             |                   |       |   |                           |  | 4100K | → | LT8F20841U5 |
|     |                  |   |             |                   |       |   |                           |  | 5000K | → | LT8F20850U5 |
| 3FT |                  |   |             |                   |       |   |                           |  |       |   |             |
| 12W |                  |   |             |                   |       |   |                           |  | 3000K | → | LT8F31230U5 |
|     |                  |   |             |                   |       |   |                           |  | 3500K | → | LT8F31235U5 |
|     |                  |   |             |                   |       |   |                           |  | 4100K | → | LT8F31241U5 |
|     |                  |   |             |                   |       |   |                           |  | 5000K | → | LT8F31250U5 |
| 4FT |                  |   |             |                   |       |   |                           |  |       |   |             |
| 10W | 3000K            | → | LT8F41030K5 |                   | 3000K | → | LT8F41030DE5              |  | 3000K | → | LT8F41030U5 |
|     | 3500K            | → | LT8F41035K5 |                   | 3500K | → | LT8F41035DE5              |  | 3500K | → | LT8F41035U5 |
|     | 4100K            | → | LT8F41040K5 |                   | 4100K | → | LT8F41041DE5              |  | 4100K | → | LT8F41040U5 |
|     | 5000K            | → | LT8F41050K5 |                   | 5000K | → | LT8F41050DE5              |  | 5000K | → | LT8F41050U5 |
| 12W | 3000K            | → | LT8F41230K5 |                   | 3000K | → | LT8F41230DE5              |  | 3000K | → | LT8F41230U5 |
|     | 3500K            | → | LT8F41235K5 |                   | 3500K | → | LT8F41235DE5              |  | 3500K | → | LT8F41235U5 |
|     | 4100K            | → | LT8F41241K5 |                   | 4100K | → | LT8F41241DE5              |  | 4100K | → | LT8F41241U5 |
|     | 5000K            | → | LT8F41250K5 |                   | 5000K | → | LT8F41250DE5              |  | 5000K | → | LT8F41250U5 |
| 15W |                  |   |             |                   | 3000K | → | LT8F41530DE5              |  | 3000K | → | LT8F41530U5 |
|     |                  |   |             |                   | 3500K | → | LT8F41535DE5              |  | 3500K | → | LT8F41535U5 |
|     |                  |   |             |                   | 4100K | → | LT8F41541DE5              |  | 4100K | → | LT8F41541U5 |
|     |                  |   |             |                   | 5000K | → | LT8F41550DE5              |  | 5000K | → | LT8F41550U5 |
| 18W |                  |   |             |                   | 3000K | → | LT8F41830DE5              |  |       |   |             |
|     |                  |   |             |                   | 3500K | → | LT8F41835DE5              |  |       |   |             |
|     |                  |   |             |                   | 4100K | → | LT8F41841DE5              |  |       |   |             |
|     |                  |   |             |                   | 5000K | → | LT8F41850DE5              |  |       |   |             |
| 18W |                  |   |             |                   | 3000K | → | LT8F41830DE5/MAX          |  |       |   |             |
|     |                  |   |             |                   | 3500K | → | LT8F41835DE5/MAX          |  |       |   |             |
|     |                  |   |             |                   | 4100K | → | LT8F41841DE5/MAX          |  |       |   |             |
|     |                  |   |             |                   | 5000K | → | LT8F41850DE5/MAX          |  |       |   |             |
| 8FT |                  |   |             |                   |       |   |                           |  |       |   |             |
| 42W |                  |   |             |                   | 3000K | → | LT8F84230DE5              |  | 3000K | → | LT8F84230U5 |
|     |                  |   |             |                   | 3500K | → | LT8F84235DE5              |  | 3500K | → | LT8F84235U5 |
|     |                  |   |             |                   | 4100K | → | LT8F84241DE5              |  | 4100K | → | LT8F84241U5 |
|     |                  |   |             |                   | 5000K | → | LT8F84250DE5              |  | 5000K | → | LT8F84250U5 |