

# PRODUCT DATASHEET

## LED T8 BF 2S 108" 42W FP SC15

LEDlescent™ 360 SELECT™ LED T8 Signage Lamps | LEDVANCE LEDlescent™ 360 SELECT™ T8 Ballast-Free, Direct Wire lamps are energy-efficient replacements for high-output T8 and T12 fluorescent signage lamps



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### Areas of application

- Signage and illuminated advertising

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### Product features

- R17d bases rotate to optimize light output, making these lamps ideal for both single- and double-sided signs
- Selectable CCT: 4100/5000/6500K
- Up to 51 % energy savings when replacing T8HO Systems. When replacing T12HO systems, energy savings double
- Finish: frosted plastic
- No warm-up time, instant-on with full light output and stable lamp-to-lamp color
- Effective 360° beam spread
- No UV emission

## TECHNICAL DATA

### Additional product data

|                              |                                                                                                                                                                            |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Base type                    | R17d                                                                                                                                                                       |
| Mercury content              | 0.0 mg                                                                                                                                                                     |
| Ordering Abbreviation        | LED42T8L108FP8SC15BF-2S                                                                                                                                                    |
| Abbrev. With Packaging Info. | LED42T8L108FP8SC15BF-2S 10/CS 1/SKU                                                                                                                                        |
| SKU UPC                      | 0046135421471                                                                                                                                                              |
| NAED                         | 42147                                                                                                                                                                      |
| Family Brand Name            | LEDVANCE LEDlescent™                                                                                                                                                       |
| General Description          | 108" LEDlescent™ Ballast-Free, LED T8, Frosted Plastic, Sign Lamp, 42W, 120-277 Volts, 4100K/5000K/6500K CCT Selectable, 83 CRI, 6000 lumens, R17d Base, 50,000 hours life |
| Warranty                     | 5 years                                                                                                                                                                    |

### Electrical data

|                 |                   |
|-----------------|-------------------|
| Nominal Wattage | 42.00 W           |
| Nominal voltage | 120.00...277.00 V |

### Photometrical data

|                             |                  |
|-----------------------------|------------------|
| Lumens                      | 6000 lm          |
| Efficacy                    | 143              |
| Color Temperature/CCT       | 4100/5000/6500 K |
| Color Rendering Index (CRI) | 83               |
| Light color                 | 841              |

### Dimensions & Weight

|                |            |
|----------------|------------|
| Overall length | 2743.20 mm |
| Diameter       | 1 in       |
| Product weight | 1.75 lb    |

### Materials & Colors

|                 |          |
|-----------------|----------|
| Lamp Finish     | Frosted  |
| Bulb shape      | T8       |
| Bulb Glass Type | PLASTICS |

### Application & Mounting

|         |    |
|---------|----|
| Dimming | No |
|---------|----|

### Lifespan

|                         |       |
|-------------------------|-------|
| Average Rated Life (hr) | 50000 |
|-------------------------|-------|

## Capabilities

|         |    |
|---------|----|
| Dimming | No |
|---------|----|

## Certificates &amp; Standards

|                       |            |
|-----------------------|------------|
| Certification Listing | RoHS / FCC |
|-----------------------|------------|

## Logistical data

|                   |               |
|-------------------|---------------|
| SKU Qty           | 1             |
| Case Qty          | 10            |
| Case Length (in)  | 107.717       |
| Case Width (in)   | 7.874         |
| Case Depth (in)   | 4.921         |
| Case Cube (ft)    | 2.415         |
| Case Weight (lbs) | 20.304        |
| SKU UPC           | 0046135421471 |
| Pallet Qty        | 450           |

## Safety advice

- Please read and comply with all instructions before attempting installation.
- For new UL Type B installations, follow the recommended double-ended wiring instructions. Single-ended wiring is approved only for existing UL Type B setups previously configured that way.
- Ensure tubes are fully inserted and properly aligned in the lamp holders. Partial insertion can cause poor or intermittent electrical contact, leading to reduced lamp life and potential arcing, which may result in localized overheating.
- Not for use with other LED or fluorescent lamps in the same fixture.
- To comply with UL requirements when installing LEDlescent™ lamps, you must affix the luminaire warning sticker—provided inside the packaging—to the fixture during installation. This ensures the fixture retains its UL safety rating.
- All installation, inspection, and maintenance of lighting fixtures should be done with the power to the fixture turned off.
- Lamps should be installed and operated in compliance with the National Electrical Code (NEC), Underwriters Laboratories Inc. (UL) requirements, and all applicable codes and regulations.
- Ensure lamp holders/sockets are in good operating condition before installation and if any defects are detected, change the lamp holders/sockets.
- Best practice: cap off the remaining ballast wires should the ballast be left in the fixture after disconnecting.
- Do not make or alter any open holes in an enclosure of wiring or electrical components during installation.
- Do not expose wiring to edges of sheet metal or other sharp objects.
- Make sure the lamps have the proper connections before restoring power.

## DOWNLOAD DATA

| Spec Sheets and Product Documents                                                  |                           | Document name                                  |
|------------------------------------------------------------------------------------|---------------------------|------------------------------------------------|
|  | Installation Guide        | T8 LEDlescent Sign Lamps Installation Manual   |
|  | Product Family Spec Sheet | LEDVANCE 360 SELECT T8 UL Type B Signage Lamps |

## DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.