

## ToLEDo Superia T8 UNIVERSAL

ToLEDo Superia T8 Universal V3 5FT 3600LM 840  
0029277



### Product features

- 50,000 hours average rated life Last 2.5 times longer than 1500mm 58W fluorescent T8 Tri-phosphor lamp
- High switching cycles - 200,000X
- High lumen efficacy - 157lm/W
- Omni-directional light distribution and wide beam angle
- Minimum and maximum operating temperature: -20°C to 50°C
- Glass construction and polycarbonate end-caps
- Works only with compatible electronic ballast
- Must replace the fluorescent starter with LED dummy starter when used with magnetic/ CCG ballast
- Suitable for direct mains operation (AC 220-240V) with single-end AC input
- Ideal for factories, parking lots, supermarkets, department stores, schools and offices



## PRODUCT OVERVIEW

|                                 |   |
|---------------------------------|---|
| Product name                    | ToLEDo Superia T8 Universal V3 5FT 3600LM 840   |
| Technology                      | LED   |
| Watt (Rated) (W)                | 23  |
| Lamp shape                      | Tube, double-ended  |
| Type                            | LED exchangeable  |
| Lamp finish                     | Opal  |
| Fixture rating                  | Open  |
| General application             | Education, Hospitality, Logistics & Industry, Museums & Galleries, Office, Residential & Consumer, Retail |
| ETIM Class                      | EC001959  |
| E-number FI                     | 4940797   |
| Warranty                        | 5 years   |
| Luminous flux (lm)              | 3600  |
| Colour temperature (K)          | 4000  |
| Light colour                    | Cool White  |
| CRI (Ra)                        | 80  |
| Colour Variation Initial (SDCM) | SDCM6   |
| Beam Angle (°)                  | 160   |
| Photobiological Risk Group      | RG0   |
| Wattage (W)                     | 23  |
| Product Voltage (V)             | 230   |
| Dimmable                        | No  |
| Average life (Nominal) (h)      | 50000   |
| IP rating                       | IP20  |
| Product EAN number              | 5410288292779   |

## DATA TABLE

### General data

|                  |   |
|------------------|---|
| Product name     | ToLEDo Superia T8 Universal V3 5FT 3600LM 840 |
| Technology       | LED   |
| Watt (Rated) (W) | 23  |
| Lamp shape       | Tube, double-ended                            |
| Type             | LED exchangeable                              |
| Lamp finish      | Opal  |

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|   |   |
|---|---|
| Fixture rating                          | Open  |
| General application                     | Education, Hospitality, Logistics & Industry, Museums & Galleries, Office, Residential & Consumer, Retail |
| Operating temperature range (°C)        | -20°C...+45°C   |
| Performance ambient temperature Tq (°C) | 25  |
| ETIM Class                              | EC001959  |
| E-number FI                             | 4940797   |
| Warranty                                | 5 years   |

### Optical data

|  |            |
|--|------------|
| Luminous flux (lm)                           | 3600       |
| Luminous flux (Rated) (lm)                   | 3600       |
| Colour temperature (K)                       | 4000       |
| Light colour                                 | Cool White |
| CRI (Ra)                                     | 80         |
| Colour Variation Initial (SDCM)              | SDCM6      |
| Beam Angle (°)                               | 160        |
| Photobiological Risk Group                   | RG0        |
| Lumen maintenance at end of nominal life (%) | 70         |

### Electrical data

|   |         |
|---|---------|
| Wattage (W)                                       | 23      |
| Product Voltage (V)                               | 230     |
| Lamp power factor                                 | 0.9     |
| Control gear required                             | No      |
| No. Of switching cycles before premature failures | >100000 |
| Transformer required                              | No      |
| Dimmable  | No      |
| Inrush Current (A)                                | 13.7    |
| Inrush Duration (µs)                              | 84      |
| Lamp Energy Label (class)                         | D       |
| Max. Luminaires per 16A C Breaker                 | 35      |
| Max. Luminaires per 16A B Breaker                 | 55      |

### Lifetime data

|                            |       |
|----------------------------|-------|
| Lifespan L70 B50           | 50000 |
| Average life (Nominal) (h) | 50000 |
| Average life (Rated) (h)   | 50000 |

### Physical data

|                               |      |
|-------------------------------|------|
| IP rating                     | IP20 |
| Nominal Product Length (mm)   | 1514 |
| Nominal Product Diameter (mm) | 28   |
| Weight (kg)                   | 0.2  |

### Packaging

|                       |        |
|-----------------------|--------|
| Single packaging type | Carton |
|-----------------------|--------|

## ToLEDo Superia T8 UNIVERSAL

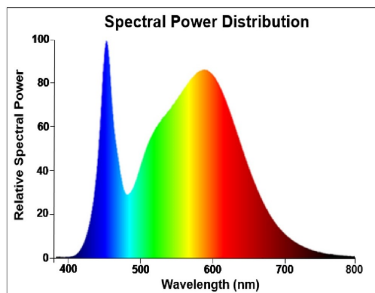
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|                                       |                |
|---------------------------------------|----------------|
| Product EAN number                    | 5410288292779  |
| Packaging single length / height (cm) | 151.0          |
| Packaging single width (cm)           | 3.0            |
| Packaging single depth (cm)           | 3.0            |
| DUN14 (outer)                         | 15410288292776 |
| Units per outer package               | 10             |
| Packaging outer length / height (cm)  | 150.7          |
| Packaging outer width (cm)            | 21.0           |
| Packaging outer depth (cm)            | 11.5           |

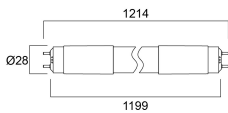
### Safety data

|                                     |                |
|-------------------------------------|----------------|
| Optimal operating condition (°C)    | -20-45         |
| Breakage cleaning instructions      | Not applicable |
| Special purpose lamp                | No             |
| Suitable for household illumination | Yes            |
| Safety message                      | None           |

## PHOTOMETRY



## TECHNICAL DRAWINGS



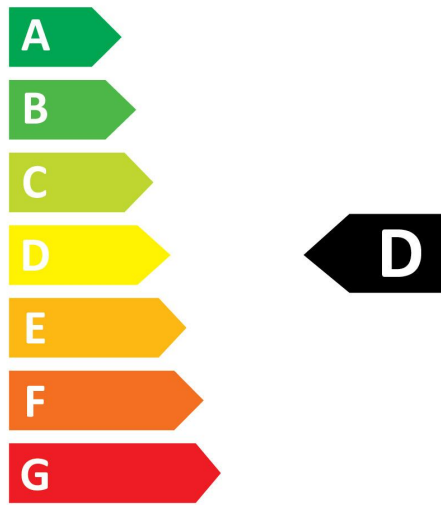
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SYLVANIA

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**23**  
kWh/1000h

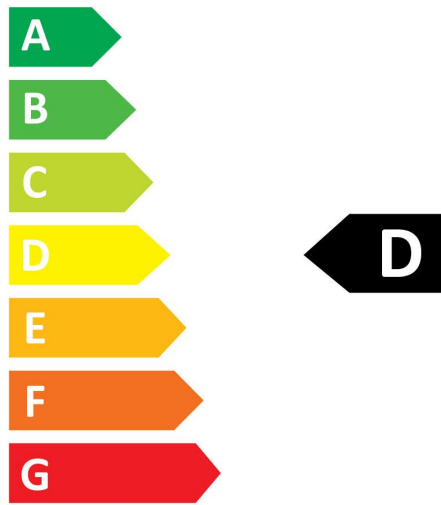


2019/2015

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**23**  
kWh/1000h



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