

# ToLEDo Superia T8 Universal V3 5FT 3600LM 840

Item No: 0029277

**SYLVANIA**



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

## Technical Assets

### Photometrics

#### General data

|   |   |
|---|---|
| Product name                            | ToLEDo Superia T8<br>Universal V3 5FT<br>3600LM 840   |
| Technology                              | LED   |
| Watt (Rated) (W)                        | 23  |
| Lamp shape                              | Tube, double-ended  |
| Cap/Base                                | G13   |
| Lamp finish                             | Opal  |
| Fixture rating                          | Open  |
| General application                     | Education, Hospitality,<br>Logistics & Industry,<br>Museums & Galleries,<br>Office, Residential &<br>Consumer, Retail |
| Operating temperature range (°C)        | -20°C...+45°C   |
| Performance ambient temperature Tq (°C) | 25  |
| ETIM Class                              | EC001959  |
| Warranty                                | 5 years   |

#### Optical data

|  |            |
|--|------------|
| Useful luminous flux ( $\Phi_{use}$ )        | 3600       |
| Luminous flux (lm)                           | 3600       |
| Luminous flux (Rated) (lm)                   | 3600       |
| Correlated 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         |

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## Electrical data

|   |         |
|---|---------|
| Power consumption (W)                             | 23      |
| Wattage (W)                                       | 23      |
| Primary Supply/Product voltage - min (V)          | 220     |
| Primary Supply/Product voltage - max (V)          | 240     |
| Lamp power factor                                 | 0.9     |
| Control gear required                             | No      |
| No. Of switching cycles before premature failures | >100000 |
| Dimmable  | No      |
| Inrush Current (A)                                | 13.7    |
| Inrush Duration (µs)                              | 84      |
| Lamp Energy Label (class)                         | D       |
| Max. products per 16A C Breaker                   | 35      |
| Max. products 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

|                                       |                |
|---------------------------------------|----------------|
| Product EAN number                    | 5410288292779  |
| Packaging single length / height (cm) | 151.0          |
| Packaging single width (cm)           | 3.0            |
| Packaging single depth (cm)           | 3.0            |
| DUN14 (inner)                         | 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           |