

ToLEDo Superia T5 AC  
ToLEDo Superia T5 AC V2 5FT 2800LM 840  
0029258

Product features

- 50,000 hours average rated lifetime
- Last 2.5 times longer than 35W 1449mm fluorescent tri-phosphor T5 lamp
- High switching cycles - 200,000X
- Omni-directional light distribution and wide beam angle
- Minimum and maximum operating temperature: -20°C to 50°C
- Glass construction and polycarbonate end-caps
- Only suitable for direct mains (AC 220-240V) operation
- Ideal for factories, parking lots, supermarkets, department stores, schools and offices
- Not suitable for operation with electronic/ECG or magnetic/CCG ballasts



PRODUCT OVERVIEW

|                                 |                                                                                                           |
|---------------------------------|-----------------------------------------------------------------------------------------------------------|
| Product name                    | ToLEDo Superia T5 AC V2 5FT 2800LM 840                                                                    |
| Technology                      | LED                                                                                                       |
| Watt (Rated) (W)                | 18.5                                                                                                      |
| Lamp shape                      | Tube, double-ended                                                                                        |
| Type                            | LED exchangeable                                                                                          |
| Cap/Base                        | G5                                                                                                        |
| Lamp finish                     | Opal                                                                                                      |
| Fixture rating                  | Open                                                                                                      |
| General application             | Education, Hospitality, Logistics & Industry, Museums & Galleries, Office, Residential & Consumer, Retail |
| ETIM Class                      | EC001959                                                                                                  |
| E-number FI                     | 4940790                                                                                                   |
| Warranty                        | 5 years                                                                                                   |
| Luminous flux (lm)              | 2800                                                                                                      |
| Colour temperature (K)          | 4000                                                                                                      |
| Light colour                    | Cool White                                                                                                |
| CRI (Ra)                        | 80                                                                                                        |
| Colour Variation Initial (SDCM) | SDCM6                                                                                                     |
| Beam Angle (°)                  | 150                                                                                                       |
| Photobiological Risk Group      | RG0                                                                                                       |
| Wattage (W)                     | 18.5                                                                                                      |
| Product Voltage (V)             | 230                                                                                                       |
| Dimmable                        | No                                                                                                        |
| Average life (Nominal) (h)      | 50000                                                                                                     |
| IP rating                       | IP20                                                                                                      |
| Product EAN number              | 5410288292588                                                                                             |

DATA TABLE

|                  |                                        |
|------------------|----------------------------------------|
| General data     |                                        |
| Product name     | ToLEDo Superia T5 AC V2 5FT 2800LM 840 |
| Technology       | LED                                    |
| Watt (Rated) (W) | 18.5                                   |

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|                                         |                                                                                                           |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Lamp shape                              | Tube, double-ended                                                                                        |
| Type                                    | LED exchangeable                                                                                          |
| Cap/Base                                | G5                                                                                                        |
| Lamp finish                             | Opal                                                                                                      |
| 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                             | 4940790                                                                                                   |
| Warranty                                | 5 years                                                                                                   |

### Optical data

|                                              |            |
|----------------------------------------------|------------|
| Luminous flux (lm)                           | 2800       |
| Luminous flux (Rated) (lm)                   | 2800       |
| Colour temperature (K)                       | 4000       |
| Light colour                                 | Cool White |
| CRI (Ra)                                     | 80         |
| Colour Variation Initial (SDCM)              | SDCM6      |
| Beam Angle (°)                               | 150        |
| Photobiological Risk Group                   | RG0        |
| Lumen maintenance at end of nominal life (%) | 70         |

### Electrical data

|                                                   |         |
|---------------------------------------------------|---------|
| Wattage (W)                                       | 18.5    |
| 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)                                | 28.7    |
| Inrush Duration (µs)                              | 3       |
| Lamp Energy Label (class)                         | D       |
| Max. Luminaires per 16A C Breaker                 | 97      |
| Max. Luminaires per 20A C Breaker                 | 120     |
| Max. Luminaires per 10A B Breaker                 | 60      |
| Max. Luminaires per 13A B Breaker                 | 79      |
| Max. Luminaires per 16A B Breaker                 | 97      |

### Lifetime data

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

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### Physical data

|                               |      |
|-------------------------------|------|
| IP rating                     | IP20 |
| Nominal Product Length (mm)   | 1462 |
| Nominal Product Diameter (mm) | 17   |
| Weight (kg)                   | 0.16 |

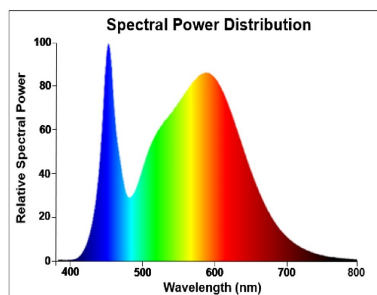
### Packaging

|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 5410288292588  |
| Packaging single length / height (cm) | 146.0          |
| Packaging single width (cm)           | 2.0            |
| Packaging single depth (cm)           | 2.0            |
| DUN14 (outer)                         | 15410288292585 |
| Units per outer package               | 10             |
| Packaging outer length / height (cm)  | 152.0          |
| Packaging outer width (cm)            | 15.5           |
| Packaging outer depth (cm)            | 8.0            |

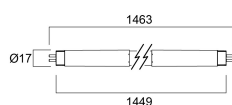
### Safety data

|                                     |                                       |
|-------------------------------------|---------------------------------------|
| Optimal operating condition (°C)    | -20-45                                |
| Breakage cleaning instructions      | Not applicable                        |
| Special purpose lamp                | No                                    |
| Suitable for household illumination | Yes                                   |
| Safety message                      | Suitable for totally enclosed fixture |

## PHOTOMETRY

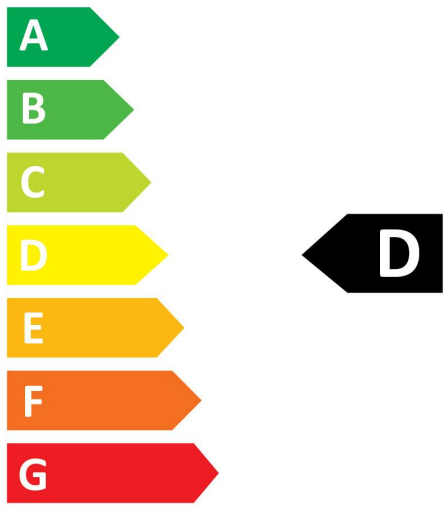


## TECHNICAL DRAWINGS



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**SYLVANIA**  
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**19**  
kWh/1000h

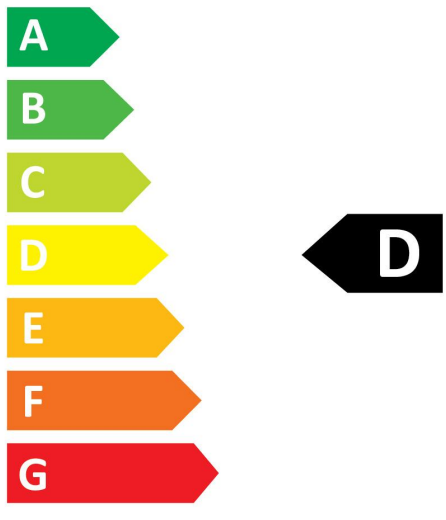


2019/2015

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**19**  
kWh/1000h



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