

## 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
Cap/Base	G13
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
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
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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	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
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

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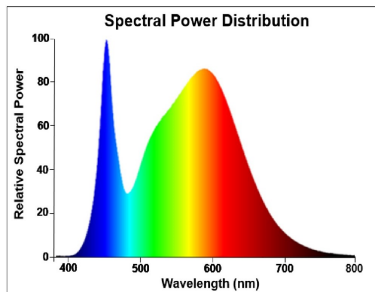
### Packaging

Single packaging type	Carton
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

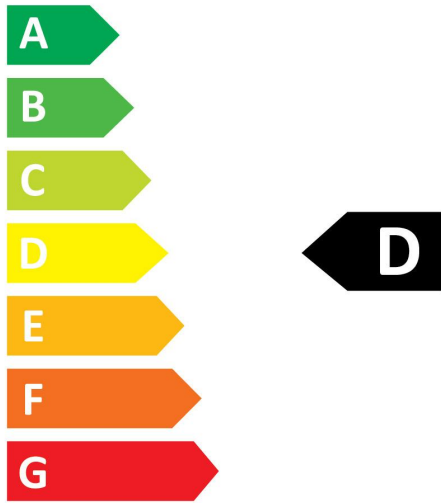


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**23**  
kWh/1000h

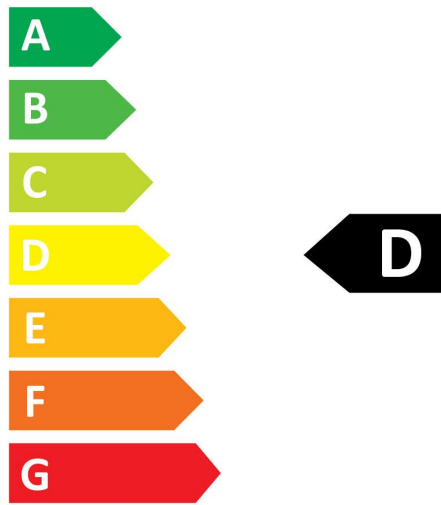


2019/2015

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**23**  
kWh/1000h



2019/2015