

## ToLEDo T8 Universal

ToLEDo T8 Universal V2 4FT 2000LM 840 RL

0029279



### Product features

- 30,000 hours average rated life
- Last 1.5 times longer than standard fluorescent 36W T8 tri-phosphor lamp
- High switching cycles - 200,000X
- Up to 59% energy savings compared to the standard fluorescent lamp
- High lumen efficacy - up to 111lm/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
- Must replace the fluorescent starter with LED dummy starter when used with magnetic/ CCG ballast
- Works only with compatible electronic ballasts. Please refer Sylvania website for full list of compatible ballast



## PRODUCT OVERVIEW

Product name	ToLEDo T8 Universal V2 4FT 2000LM 840 RL
Technology	LED
Watt (Rated) (W)	18
Lamp shape	Tube, double-ended
Type	LED exchangeable
Lamp finish	Opal
Fixture rating	Open
General application	Office, Hospitality, Retail, Logistics & Industry, Education, Residential & Consumer, Museums & Galleries
ETIM Class	EC001959
E-number FI	4941300
Warranty	3 years
Luminous flux (lm)	2000
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)	18
Product Voltage (V)	230
Dimmable	No
Average life (Nominal) (h)	30000
IP rating	IP20
Product EAN number	5410288292793

## DATA TABLE

### General data

Product name	ToLEDo T8 Universal V2 4FT 2000LM 840 RL
Technology	LED

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Watt (Rated) (W)	18
Lamp shape	Tube, double-ended
Type	LED exchangeable
Lamp finish	Opal
Fixture rating	Open
General application	Office, Hospitality, Retail, Logistics & Industry, Education, Residential & Consumer, Museums & Galleries
Operating temperature range (°C)	-20°C...+45°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC001959
E-number FI	4941300
Warranty	3 years

### Optical data

Luminous flux (lm)	2000
Luminous flux (Rated) (lm)	2000
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)	18
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)	E
Max. Luminaires per 16A C Breaker	52
Max. Luminaires per 16A B Breaker	55

### Lifetime data

Lifespan L70 B50	30000
Average life (Nominal) (h)	30000
Average life (Rated) (h)	30000

### Physical data

IP rating	IP20
Nominal Product Length (mm)	1213
Nominal Product Diameter (mm)	28

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Weight (kg) 0.18

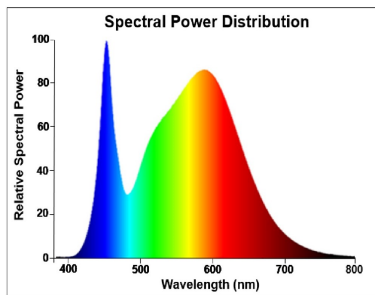
### Packaging

Single packaging type	Carton
Product EAN number	5410288292793
Packaging single length / height (cm)	121.0
Packaging single width (cm)	3.0
Packaging single depth (cm)	3.0
DUN14 (outer)	15410288292790
Units per outer package	10
Packaging outer length / height (cm)	120.7
Packaging outer width (cm)	21.0
Packaging outer depth (cm)	11.5

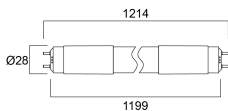
### Safety data

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

## PHOTOMETRY



## TECHNICAL DRAWINGS



## ToLEDo T8 Universal

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**18**  
kWh/1000h



2019/2015

# SYLVANIA

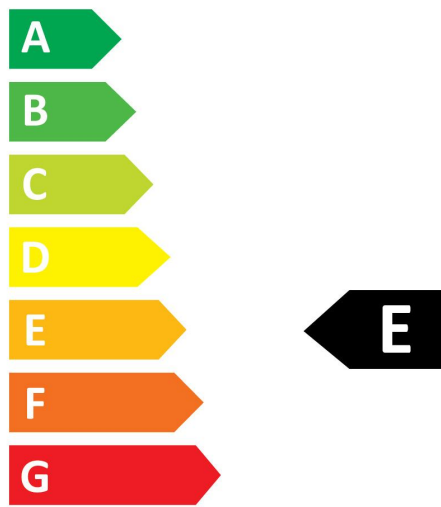
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**18**  
kWh/1000h



2019/2015