



Features

- 50,000 hours average rated lifeLast 2.5 times longer than 1500mm 58W fluorescent T8 Tri-phosphor lampHigh switching cycles – 200,000XHigh lumen efficacy - 157lm/WOmni-directional light distribution and wide beam angleMinimum and maximum operating temperature: -20°C to 50°CGlass construction and polycarbonate end-capsWorks only with compatible electronic ballastMust replace the fluorescent starter with LED dummy starter whenused with magnetic/ CCG ballastSuitable for direct mains operation (AC 220-240V) with single-end AC inputIdeal for factories, parking lots, supermarkets, department stores, schools and offices

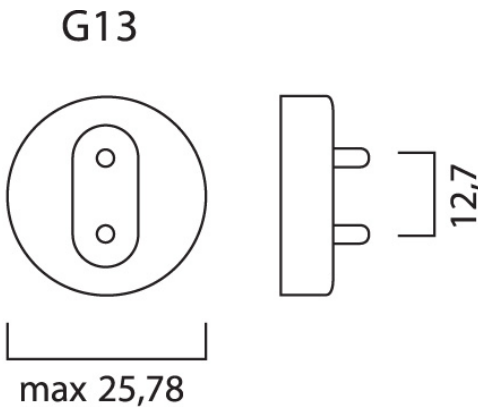
Product Overview

Product name	ToLEDo Superia T8 Universal V3 5FT 3600LM 840
Technology	LED
Watt (Rated) (W)	23
Lamp shape	Tube, double-ended
Cap/Base	G13
Lamp finish	Opal
Fixture rating	Open
General application	Education, Hospitality, Logistics & Industry, Museums & Galleries, Office, Residential & Consumer, Retail
ETIM Class	EC001959
Correlated colour temperature (k)	4000
Light colour	Cool White
CRI (Ra)	80
Colour Variation Initial (SDCM)	6
Beam Angle (°)	160
Photobiological Risk Group	RG0
Wattage (W)	23
Power consumption (W)	23

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Dimmable	No
Average life (Nominal) (h)	50000
IP rating	IP20
Product EAN number	5410288292779
Warranty	5 years
Useful luminous flux (#use)	3600

Technical drawings



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
Cap/Base	G13
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

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Performance ambient temperature Tq (°C)	25
ETIM Class	EC001959
Warranty	5 years

OPTICAL DATA

Useful luminous flux (#use)	3600
Luminous flux (Rated) (lm)	3600
Correlated colour temperature (k)	4000
Light colour	Cool White
CRI (Ra)	80
Colour Variation Initial (SDCM)	6
Beam Angle (°)	160
Photobiological Risk Group	RG0
Lumen maintenance at end of nominal life (%)	70

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



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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

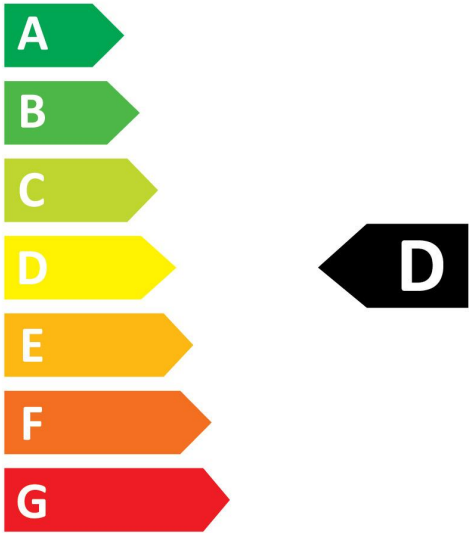
SAFETY DATA

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

Energy label



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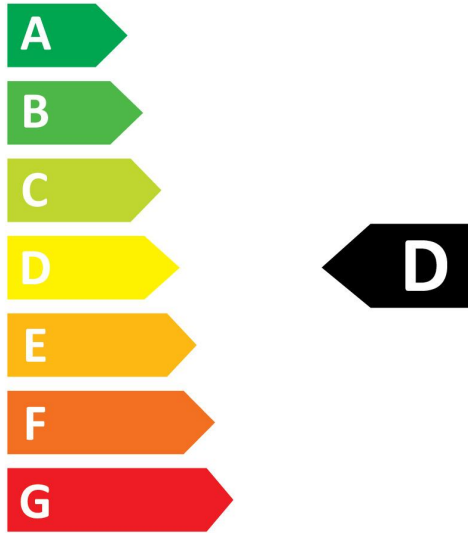
23
kWh/1000h



2019/2015



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23
kWh/1000h



2019/2015