

ToLEDo+ Tubes

ToLEDo+ Tube 5Ft 23W 2200Lm 840

0027070



Range features

- Retrofit for T8 lamps, easy plug and play solution for magnetic ballast systems
- Low power consumption to maximise energy saving potential - up to 100Lm/W
- Reduced maintenance costs due to average rated life of 30,000 hours
- High light output up to 2200lm
- Made In Germany to highest standards of reliability
- High colour rendering - CRI >80
- Instant light - Ideal for use on PIR enabling even greater energy savings
- 100° rotating end caps - ensures light is directed where needed
- Highly robust construction
- 120° light distribution with Low glare
- High power factor 0.95



PRODUCT OVERVIEW

Ordering number	0027070
Light colour	840 Cool White
Technology	LED
Energy class	A+
Average life (Rated) (h)	40000
Lamp shape	Linear
Lamp finish	Frosted
Dimmable	No
Cap/Base	G13
Type	ToLEDo+ Tubes
EAN code	5410288270708
CRI (Ra)	84
Beam angle(°)	120
Beam angle(°)	120
Colour temperature (K)	4000
Luminous flux (Rated) (lm)	2200
Efficacy (Rated) (lm/w)	95.6
Watt (Nominal) (W)	23
Equivalent watt (W)	
Voltage (V)	100-240

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DATA TABLE

General data

Technology	LED
Ordering number	0027070
Energy class	A+
Average life (Nominal) (h)	40000
Energy saving lamp	Yes
Average life (Rated) (h)	40000
Lamp finish	Frosted
Lamp shape	Linear
Dimmable	No
Cap/Base	G13
Type	ToLEDo+ Tubes
EAN code	5410288270708
E-number FI	4740241
Notes	The overall energy efficiency and light distribution of any installation that uses these lamps are determined by the design of the installation
Long description	Retrofit for T8 lamps, easy plug and play solution for magnetic ballast systems. Low power consumption to maximise energy saving potential - up to 100Lm/W. Reduced maintenance costs due to average rated life of 30,000 hours. High light output up to 2200lm. Made In Germany to highest standards of reliability. High colour rendering - CRI >80. Instant light - Ideal for use on PIR enabling even greater energy savings. 100° rotating end caps - ensures light is directed where needed. Highly robust construction. 120° light distribution with Low glare. High power factor 0.95
Product name	ToLEDo+ Tube 5Ft 23W 2200Lm 840
Lamp mercury content (mg)	0
Starting time (max) (s)	0.05
Warm-up time to 60% of full light (max) (s)	< 1s => 60%
Control gear required	No
Intended purpose	General lighting
No. of switching cycles before premature failure (min)	100000
Special purpose lamp	No
Transformer required	No
Sales pack quantity	6
Optimal operating condition (°C)	25

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Optical data

Light colour	840 Cool White
CRI (Ra)	84
Beam angle(°)	120
Suitable for accent lighting	No
Beam angle (Rated) (°)	120
Beam angle(°)	120
Colour Consistency	6
Colour temperature (K)	4000
Luminous flux (Rated) (lm)	2200
Lumen maintenance at end of nominal life (%)	70
Luminous flux (Nominal) (lm)	2200
Peak intensity (cd)	
Chromaticity coordinate X	
Chromaticity coordinate Y	
Adjustable chromaticity	No

Electrical data

kWh per 1000 hours burning time	23
Efficacy (Rated) (lm/w)	95.6
Watt (Rated) (W)	23
Equivalent watt (W)	
Watt (Nominal) (W)	23
Voltage (V)	100-240
Current (A)	100
Drive current (mA)	100
Lamp power factor	0.75

Physical data

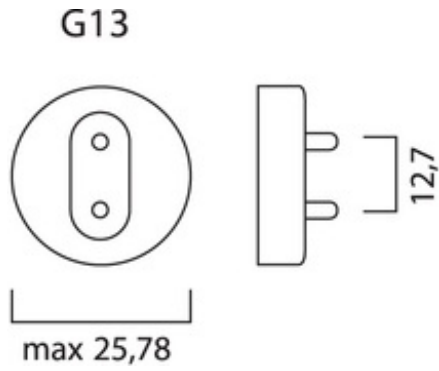
Weight (kg)	0.42
Lamp Length (mm) - C/L	1500
Max. Lamp Diameter (mm) - D	28
Lamp dimension equal to filament lamp equivalent	No
Designed for optimum use in non standard conditions	No
Fluorescent lamp replacement	Yes
Single packaging type	Box/Sleeve
Single package dimensions (L x W x H) (cm)	156.50 x 3.00 x 3.00
Outer package dimensions (L x W x H) (cm)	159.00 x 10.00 x 6.00

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TECHNICAL DRAWINGS



ENERGY LABEL

