

## ToLEDo+ Tubes

ToLEDo+ Tube 5Ft 23W 2100Lm 830

0027069



### 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	0027069
Light colour	830 Warm 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	5410288270692
CRI (Ra)	84
Beam angle(°)	120
Beam angle(°)	120
Colour temperature (K)	3000
Luminous flux (Rated) (lm)	2100
Efficacy (Rated) (lm/w)	91.3
Watt (Nominal) (W)	23
Equivalent watt (W)	
Voltage (V)	100-240

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### DATA TABLE

#### General data

<b>Technology</b>	LED
<b>Ordering number</b>	0027069
<b>Energy class</b>	A+
<b>Average life (Nominal) (h)</b>	40000
<b>Energy saving lamp</b>	Yes
<b>Average life (Rated) (h)</b>	40000
<b>Lamp finish</b>	Frosted
<b>Lamp shape</b>	Linear
<b>Dimmable</b>	No
<b>Cap/Base</b>	G13
<b>Type</b>	ToLEDo+ Tubes
<b>EAN code</b>	5410288270692
<b>E-number FI</b>	4740240
<b>Notes</b>	The overall energy efficiency and light distribution of any installation that uses these lamps are determined by the design of the installation
<b>Long description</b>	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
<b>Product name</b>	ToLEDo+ Tube 5Ft 23W 2100Lm 830
<b>Lamp mercury content (mg)</b>	0
<b>Starting time (max) (s)</b>	0.05
<b>Warm-up time to 60% of full light (max) (s)</b>	< 1s => 60%
<b>Control gear required</b>	No
<b>Intended purpose</b>	General lighting
<b>No. of switching cycles before premature failure (min)</b>	100000
<b>Special purpose lamp</b>	No
<b>Transformer required</b>	No
<b>Sales pack quantity</b>	6
<b>Optimal operating condition (°C)</b>	25

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### Optical data

Light colour	830 Warm 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)	3000
Luminous flux (Rated) (lm)	2100
Lumen maintenance at end of nominal life (%)	70
Luminous flux (Nominal) (lm)	2100
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)	91.3
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

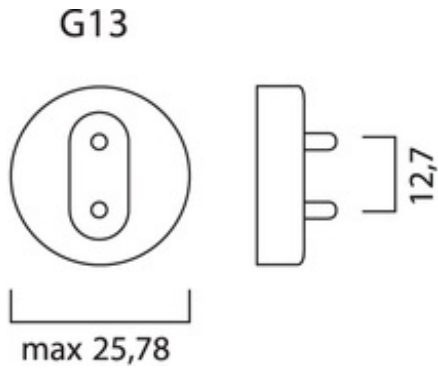
Weight (kg)	0.42
Lamp Length (mm) - C/L	1500
Max. Lamp Diameter (mm) - D	28
Lamp dimension equal to filament lamp equivalent	No
Designed for optimum use in non standard conditions	No
Fluorescent lamp replacement	Yes
Single packaging type	Box/Sleeve
Single package dimensions (L x W x H) (cm)	156.50 x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

