PHILIPS

Lighting

New generation of specialty LEDtube

Specialty LED tube

Philips specialty LEDtube integrates a LED light source into a traditional fluorescent form factor. This product is the ideal solution for relamping to serve multi-purpose usage: it meets general lighting requirements, offers significant energy savings, and special function such as Visible Light Communication.

Benefits

- Highly energy-efficient
- Conventional form factor to fit into existing luminaires
- Easy installation
- No mercury

Features

- Reduced operational cost thanks to lower energy consumption
- Fastest and easiest way to upgrade existing luminaires to LED technology, completely safe product and installation process
- Lower maintenance cost thanks to 2-3 times longer lifetime than conventional lamps

Application

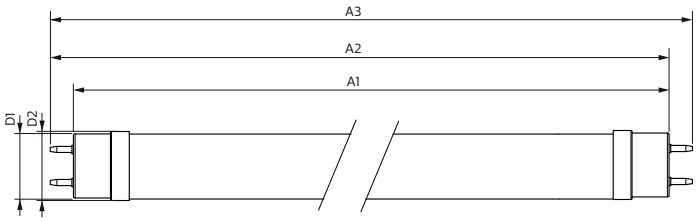
- Hospitality, retail, office, industrial applications

Specialty LED tube

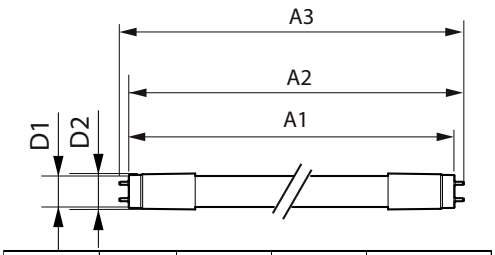
Versions

MAS-LEDtube-Spectrum-T5-20260303

Dimensional drawing



Product	D1	D2	A1	A2	A3
Sensor LEDtube 1200mm 16W 840 T8	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
Sensor LEDtube 1200mm 16W 865 T8	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm



Product	D1	D2	A1	A2	A3
MAS LEDtube Spectrum 1200mm 1500lm	25.8 mm	28 mm	1,199.4 mm	1,206.5 mm	1,213.6 mm

D1	D2	A1	A2	A3
25.8mm	28mm	1199.4mm	1206.5mm	1213.6mm

Specialty LED tube

General Information	
Cap-Base	G13
Light Technical	
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Input Frequency	50 to 60 Hz
Starting Time (Nom)	0.5 s
Mechanical and Housing	
Bulb Shape	T8

General Information

Order Code	Full Product Name	Switching Cycle	Nominal lifetime
929001826408	MAS LEDtube Spectrum 1200mm 1500lm	200,000	50,000 hour(s)
929003103310	Sensor LEDtube 1200mm 16W 840 T8	50,000	30,000 hour(s)
929003103410	Sensor LEDtube 1200mm 16W 865 T8	50,000	30,000 hour(s)

Light Technical

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Color Code	Luminous Flux
929001826408	MAS LEDtube Spectrum 1200mm 1500lm	160 degree(s)	2200 K	-	2200	1,500 lm
929003103310	Sensor LEDtube 1200mm 16W 840 T8	240 degree(s)	4000 K	80	840	1,800 lm
929003103410	Sensor LEDtube 1200mm 16W 865 T8	240 degree(s)	6500 K	80	865	1,800 lm

Operating and Electrical

Order Code	Full Product Name	Line Frequency	Power Consumption	Wattage Equivalent
929001826408	MAS LEDtube Spectrum 1200mm 1500lm	-	14 W	36 W
929003103310	Sensor LEDtube 1200mm 16W 840 T8	50 to 60 Hz	16 W	-
929003103410	Sensor LEDtube 1200mm 16W 865 T8	50 to 60 Hz	16 W	-

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929001826408	MAS LEDtube Spectrum 1200mm 1500lm	55 °C
929003103310	Sensor LEDtube 1200mm 16W 840 T8	50 °C
929003103410	Sensor LEDtube 1200mm 16W 865 T8	50 °C

Controls and Dimming

Order Code	Full Product Name	Dimmable
929001826408	MAS LEDtube Spectrum 1200mm 1500lm	No
929003103310	Sensor LEDtube 1200mm 16W 840 T8	Only with specific dimmers
929003103410	Sensor LEDtube 1200mm 16W 865 T8	Only with specific dimmers

Specialty LED tube

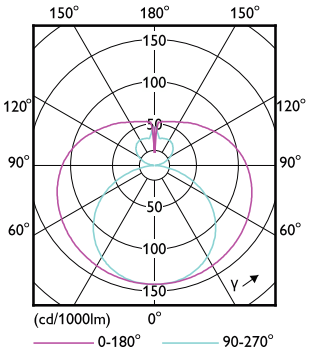
Mechanical and Housing

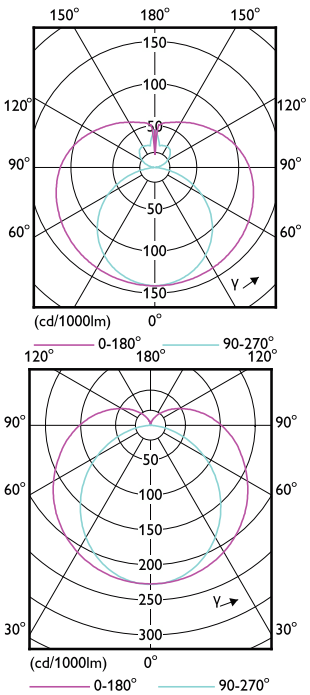
Order Code	Full Product Name	Bulb Finish
929001826408	MAS LEDtube Spectrum 1200mm 1500lm	-
929003103310	Sensor LEDtube 1200mm 16W 840 T8	Frosted

Order Code	Full Product Name	Bulb Finish
929003103410	Sensor LEDtube 1200mm 16W 865 T8	Frosted

Approval and Application

Order Code	Full Product Name	Ambient temperature range
929001826408	MAS LEDtube Spectrum 1200mm 1500lm	-20 to +45 °C
929003103310	Sensor LEDtube 1200mm 16W 840 T8	-20 °C to 45 °C
929003103410	Sensor LEDtube 1200mm 16W 865 T8	-20 °C to 45 °C





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