



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

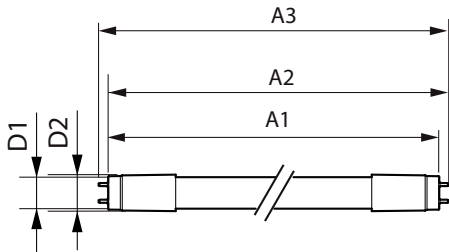
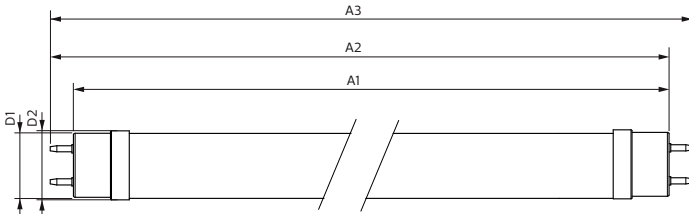
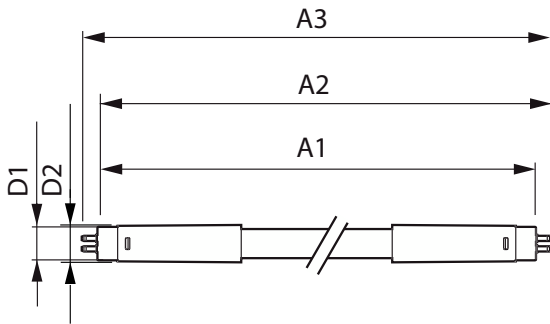


MAS-LEDtube-Spectrum-T5-20260303

LEDtube MAS GC1 20W G5

LEDtube 220-240V G13 4ft

Dimensional drawing



D1	D2	A1	A2	A3
25.8mm	28mm	1198.2mm	1205.3mm	1212.4mm

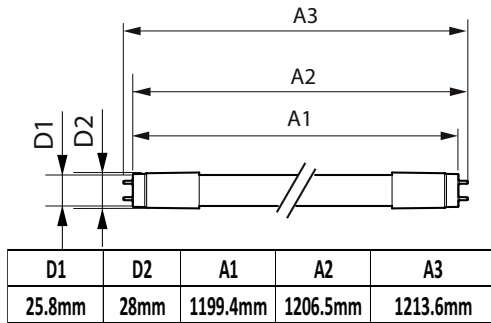
Product	D1	D2	A1	A2	A3
MAS LEDtube Spectrum 1200mm 2000lm T5	15.2 mm	18/22 mm	1,147.8 mm	1,154.9 mm	1,162 mm

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

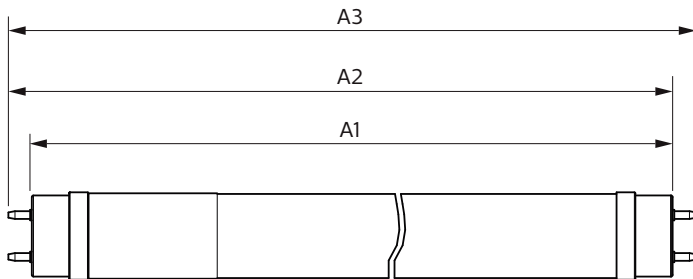
Product	D1	D2	A1	A2	A3
MAS LEDtube Spectrum 1200mm 20W	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm

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Dimensional drawing



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



Product	D1	D2	A1	A2	A3
Ledtube SW DE HO 1200mm 20w 12000k T8	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm
Ledtube SW DE HO 600mm 8w 12000k T8	25.7 mm	28 mm	588.5 mm	595.5 mm	602.5 mm

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

General Information

Order Code	Full Product Name	Cap-Base	Switching Cycle	Nominal lifetime
929001826408	MAS LEDtube Spectrum 1200mm 1500lm	G13	200,000	50,000 hour(s)
929003145310	MAS LEDtube Spectrum 1200mm 20W	G13	200,000	50,000 hour(s)
929003574510	MAS LEDtube Spectrum 1200mm 2000lm T5	G5	50,000	50,000 hour(s)
929004578638	Ledtube SW DE HO 1200mm 20w 12000k T8	G13	50,000	15,000 hour(s)

Order Code	Full Product Name	Cap-Base	Switching Cycle	Nominal lifetime
929004578738	Ledtube SW DE HO 600mm 8w 12000k T8	G13	50,000	15,000 hour(s)
929003103310	Sensor LEDtube 1200mm 16W 840 T8	G13	50,000	30,000 hour(s)
929003103410	Sensor LEDtube 1200mm 16W 865 T8	G13	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
929003145310	MAS LEDtube Spectrum 1200mm 20W	160 degree(s)	2200 K	50	2200	2,200 lm

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Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Color Code	Luminous Flux
929003574510	MAS LEDtube Spectrum 1200mm 2000lm T5	160 degree(s)	2200 K	50	2200	2,000 lm
929004578638	Ledtube SW DE HO 1200mm 20w 12000k T8	240 degree(s)	12000 K	70	7120	2,200 lm
929004578738	Ledtube SW DE HO 600mm 8w 12000k T8	240 degree(s)	12000 K	70	7120	880 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
929003145310	MAS LEDtube Spectrum 1200mm 20W	-	20 W	36 W
929003574510	MAS LEDtube Spectrum 1200mm 2000lm T5	-	20 W	28 W
929004578638	Ledtube SW DE HO 1200mm 20w 12000k T8	-	20 W	36 W

Order Code	Full Product Name	Line Frequency	Power Consumption	Wattage Equivalent
929004578738	Ledtube SW DE HO 600mm 8w 12000k T8	-	8 W	18 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
929003145310	MAS LEDtube Spectrum 1200mm 20W	55 °C
929003574510	MAS LEDtube Spectrum 1200mm 2000lm T5	55 °C
929004578638	Ledtube SW DE HO 1200mm 20w 12000k T8	60 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
929004578738	Ledtube SW DE HO 600mm 8w 12000k T8	50 °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
929003145310	MAS LEDtube Spectrum 1200mm 20W	No
929003574510	MAS LEDtube Spectrum 1200mm 2000lm T5	No
929004578638	Ledtube SW DE HO 1200mm 20w 12000k T8	No
929004578738	Ledtube SW DE HO 600mm 8w 12000k T8	No

Order Code	Full Product Name	Dimmable
929003103310	Sensor LEDtube 1200mm 16W 840 T8	Only with specific dimmers
929003103410	Sensor LEDtube 1200mm 16W 865 T8	Only with specific dimmers

Mechanical and Housing

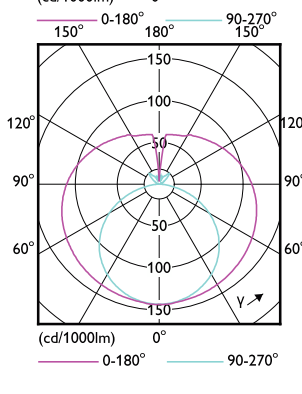
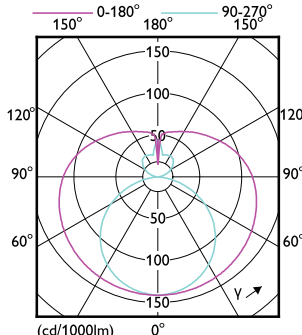
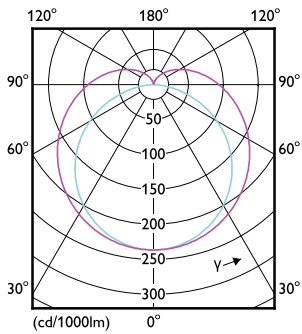
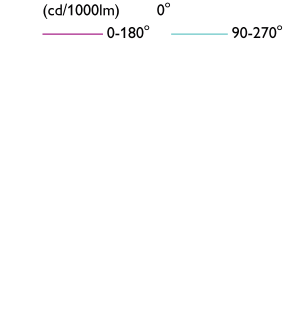
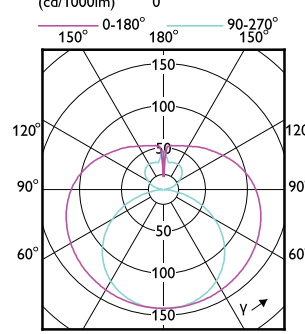
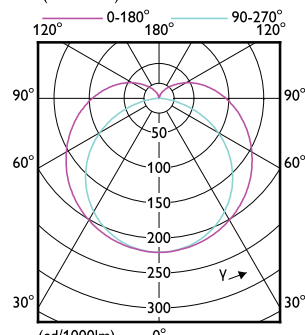
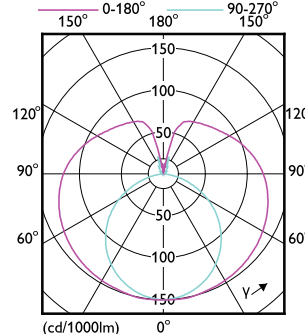
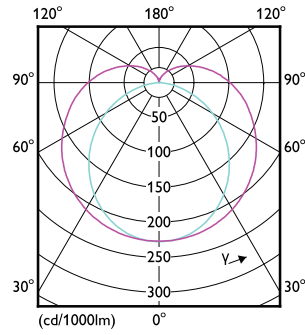
Order Code	Full Product Name	Bulb Finish	Bulb Shape
929001826408	MAS LEDtube Spectrum 1200mm 1500lm	-	T8
929003145310	MAS LEDtube Spectrum 1200mm 20W	Frosted	T8
929003574510	MAS LEDtube Spectrum 1200mm 2000lm T5	Frosted	T5
929004578638	Ledtube SW DE HO 1200mm 20w 12000k T8	Frosted	T8

Order Code	Full Product Name	Bulb Finish	Bulb Shape
929004578738	Ledtube SW DE HO 600mm 8w 12000k T8	Frosted	T8
929003103310	Sensor LEDtube 1200mm 16W 840 T8	Frosted	T8
929003103410	Sensor LEDtube 1200mm 16W 865 T8	Frosted	T8

Approval and Application

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Order Code	Full Product Name	Ambient temperature range	Energy
			Consumption kWh/1000 h
929001826408	MAS LEDtube Spectrum 1200mm 1500lm	-20 to +45 °C	-
929003145310	MAS LEDtube Spectrum 1200mm 20W	-20 to +45 °C	20 kWh
929003574510	MAS LEDtube Spectrum 1200mm 2000lm T5	-20 to +45 °C	-
929004578638	Ledtube SW DE HO 1200mm 20w 12000k T8	-20 to +45 °C	-
929004578738	Ledtube SW DE HO 600mm 8w 12000k T8	-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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