



New generation of specialty LEDtube

Specialty LEDtube

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

- \cdot 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

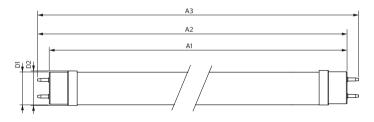
Specialty LEDtube

Versions

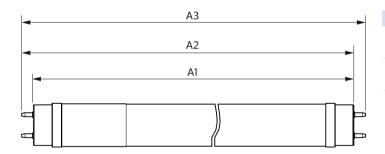


Standard Product Photo

Dimensional drawing



Product	D1	D2	A1	A2	А3
Sensor LEDtube 1200mm 16W	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
840 T8					
Sensor LEDtube 1200mm 16W	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
865 T8					



Product	D1	D2	A1	A2	А3
Ledtube SW DE HO 1200mm 20w	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm
12000k T8					
Ledtube SW DE HO 600mm 8w	25.7 mm	28 mm	588.5 mm	595.5 mm	602.5 mm
12000k T8					

Specialty LEDtube

General Information	
Cap-Base	G13
Switching Cycle	50,000
Light Technical	
Beam Angle (Nom)	240 degree(s)
LLMF At End Of Nominal Lifetime	70 %
(Nom)	
Operating and Electrical	
Input Frequency	50 to 60 Hz
Starting Time (Nom)	0.5 s
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Shape	Т8

General Information

Order Code	Full Product Name	Nominal lifetime
929004578638	Ledtube SW DE HO 1200mm 20w 12000k T8	15,000 hour(s)
929004578738	Ledtube SW DE HO 600mm 8w 12000k T8	15,000 hour(s)
929003103310	Sensor LEDtube 1200mm 16W 840 T8	30,000 hour(s)
929003103410	Sensor LEDtube 1200mm 16W 865 T8	30,000 hour(s)

Light Technical

		Correlated			
		Color	Color		
	Full Product	Temperature	rendering	Color	Luminous
Order Code	Name	(Nom)	index (CRI)	Code	Flux
929004578638	Ledtube SW DE	12000 K	70	7120	2,200 lm
	HO 1200mm				
	20w 12000k T8				
929004578738	Ledtube SW DE	12000 K	70	7120	880 lm
	HO 600mm 8w				
	12000k T8				

		Correlated			
		Color	Color		
	Full Product	Temperature	rendering	Color	Luminous
Order Code	Name	(Nom)	index (CRI)	Code	Flux
929003103310	Sensor LEDtube	4000 K	80	840	1,800 lm
	1200mm 16W				
	840 T8				
929003103410	Sensor LEDtube	6500 K	80	865	1,800 lm
	1200mm 16W				
	865 T8				

Operating and Electrical

		Line	Power	Wattage
Order Code	Full Product Name	Frequency	Consumption	Equivalent
929004578638	Ledtube SW DE HO	-	20 W	36 W
	1200mm 20w			
	12000k T8			
929004578738	Ledtube SW DE HO	-	8 W	18 W
	600mm 8w 12000k			
	T8			

		Line	Power	Wattage
Order Code	Full Product Name	Frequency	Consumption	Equivalent
929003103310	Sensor LEDtube	50 to 60 Hz	16 W	-
	1200mm 16W 840			
	Т8			
929003103410	Sensor LEDtube	50 to 60 Hz	16 W	-
	1200mm 16W 865			
	T8			

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929004578638	Ledtube SW DE HO 1200mm 20w 12000k T8	60 °C
929004578738	Ledtube SW DE HO 600mm 8w 12000k T8	50 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
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
929004578638	Ledtube SW DE HO 1200mm 20w 12000k T8	No
929004578738	Ledtube SW DE HO 600mm 8w 12000k T8	No

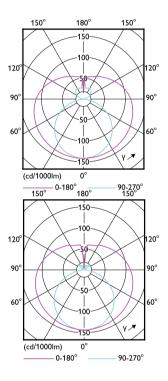
Order Code	Full Product Name	Dimmable
929003103310	Sensor LEDtube 1200mm 16W 840 T8	Only with specific
		dimmers

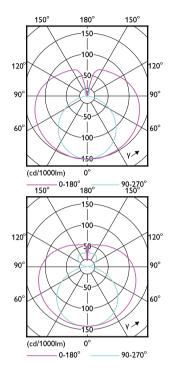
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Order Code	Full Product Name	Dimmable
929003103410	Sensor LEDtube 1200mm 16W 865 T8	Only with specific
		dimmers

Approval and Application

Order Code	Full Product Name	Ambient temperature range
929004578638	Ledtube SW DE HO 1200mm 20w 12000k	-20 to +45 °C
	Т8	
929004578738	Ledtube SW DE HO 600mm 8w 12000k	-20 to +45 °C
	Т8	
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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