



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

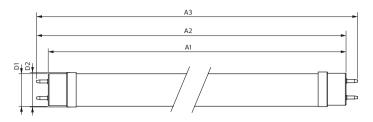
- \cdot Reduced operational cost thanks to lower energy consumption
- Fastest and easiest way to upgrade existing luminaires to LED technology, completely safe product and installation process
- Lower maintenance cost thanks to 2-3 times longer lifetime than conventional lamps

Application

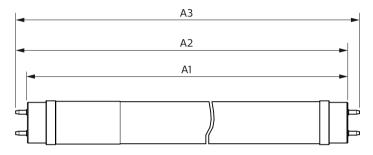
Hospitality, retail, office, industrial applications

Specialty LEDtube

Dimensional drawing



Product	D1	D2	A1	A2	A3
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	A3
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					

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
33322200	Ledtube SW DE HO 1200mm 20w 12000k T8	15,000 hour(s)
33324600	Ledtube SW DE HO 600mm 8w 12000k T8	15,000 hour(s)
94465900	Sensor LEDtube 1200mm 16W 840 T8	30,000 hour(s)
94467300	Sensor LEDtube 1200mm 16W 865 T8	30,000 hour(s)

Light Technical

		Correlated Color	Color					Correlated Color	Color		
		Temperature	rendering	Color	Luminous			Temperature	rendering	Color	
Order Code	Full Product Name	(Nom)	index (CRI)	Code	Flux	Order Code	Full Product Name	(Nom)	index (CRI)	Code	
33322200	Ledtube SW DE	12000 K	70	7120	2,200 lm	94465900	Sensor LEDtube	4000 K	80	840	
	HO 1200mm 20w						1200mm 16W 840				
	12000k T8						Т8				
33324600	Ledtube SW DE	12000 K	70	7120	880 lm						
	HO 600mm 8w										
	12000k T8										

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		Correlated Color	Color		
		Temperature	rendering	Color	Luminous
Order Code	Full Product Name	(Nom)	index (CRI)	Code	Flux
94467300	Sensor LEDtube	6500 K	80	865	1,800 lm
	1200mm 16W 865				
	Т8				

Operating and Electrical

			Power	Wattage
Order Code	Full Product Name	Line Frequency	Consumption	Equivalent
33322200	Ledtube SW DE HO	-	20 W	36 W
	1200mm 20w 12000k			
	Т8			
33324600	Ledtube SW DE HO	-	8 W	18 W
	600mm 8w 12000k T8			

			Power	Wattage
Order Code	Full Product Name	Line Frequency	Consumption	Equivalent
94465900	Sensor LEDtube	50 to 60 Hz	16 W	-
	1200mm 16W 840 T8			
94467300	Sensor LEDtube	50 to 60 Hz	16 W	-
	1200mm 16W 865 T8			

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
33322200	Ledtube SW DE HO 1200mm 20w 12000k T8	60 °C
33324600	Ledtube SW DE HO 600mm 8w 12000k T8	50 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
94465900	Sensor LEDtube 1200mm 16W 840 T8	50 °C
94467300	Sensor LEDtube 1200mm 16W 865 T8	50 °C

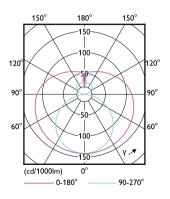
Controls and Dimming

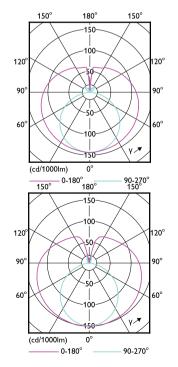
Order Code	Full Product Name	Dimmable
33322200	Ledtube SW DE HO 1200mm 20w 12000k T8	No
33324600	Ledtube SW DE HO 600mm 8w 12000k T8	No

Order Code	Full Product Name	Dimmable
94465900	Sensor LEDtube 1200mm 16W 840 T8	Only with specific dimmers
94467300	Sensor LEDtube 1200mm 16W 865 T8	Only with specific dimmers

Approval and Application

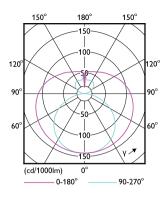
Order Code	Full Product Name	Ambient temperature range
33322200	Ledtube SW DE HO 1200mm 20w 12000k T8	-20 to +45 °C
33324600	Ledtube SW DE HO 600mm 8w 12000k T8	-20 to +45 °C
94465900	Sensor LEDtube 1200mm 16W 840 T8	-20 °C to 45 °C
94467300	Sensor LEDtube 1200mm 16W 865 T8	-20 °C to 45 °C





Product family leaflet, 2024, August 30	

Specialty LEDtube





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