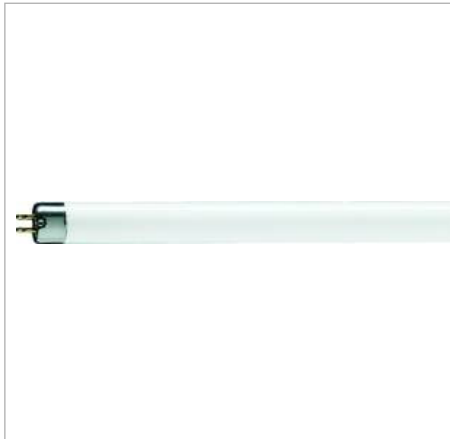


Dear User.

Hereby we would like to inform you, that our site and also this service will end on December 31st, 2018. Please use the Philips product catalog for family and product pages at www.lighting.philips.com.

If you received this page via third-party site, please inform their website administrator about this message.



Small size fluorescent lamp

This TL Miniature lamp (tube diameter 16 mm) is a lamp with small dimensions, which enables system miniaturization and offers the possibility of operation on low-voltage DC supply. It is ideal for applications where space is limited but where color rendering and efficacy are not the most important factors, such as orientation, signage and emergency lighting.

Benefits

- Creates atmospheres from warm white to cool daylight

Features

- 16 mm diameter tubes with moderate color rendering

Application

- Ideal for applications where space is limited and color rendering is not important
- Orientation lighting
- Emergency lighting

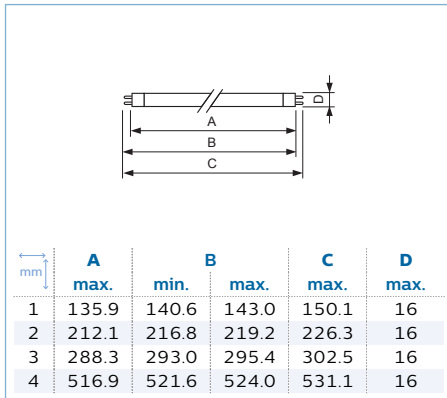
System

- Possibility for operation on low-voltage DC supply

Warnings and Safety

- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

Dimension Drawing



Product Range



Main Data

TL Mini

Lamp power/Light source color	SAP Packing (Piece)/Packaging configuration	Cap-Base	Correlated Color Temperature (K)	Luminous Efficacy (Rated) (lm/W)	Life to 50% Failures Preheat (h)	Energy Consumption kWh/1000 h (kWh)			Ordering number 8711500...
4W/33-640	FM / 250	G5	4,100	35.0	10,000	5	B	1	61568827
6W/33-640	FM / 250	G5	4,100	43.0	10,000	7	B	2	71583827
7.1W/33-640	FM / 250	G5	4,100	51.0	10,000	8	A	3	70473327
7.1W/54-765	FM / 250	G5	6,200	48.0	10,000	8	A	3	71628627
13W/33-640	FM / 250	G5	4,100	71.0	8,000	14	A	4	70475727
13W/54-765	FM / 250	G5	6,200	57.0	8,000	14	A	4	71671227

Electrical data

Commercial product name	Lamp Current (A)	Lamp power (W)	Voltage (V)
TL Mini 4W/33-640 FAM/10X25BOX	0.170	4.0	29
TL Mini 6W/33-640 FAM/10X25BOX	0.160	6.0	42
TL Mini 8W/33-640 FAM/10X25BOX	0.145	7.1	56
TL Mini 8W/54-765 FAM/10X25BOX	0.145	7.1	56
TL Mini 13W/33-640 FAM/10X25BOX	0.170	13.0	90
TL Mini 13W/54-765 FAM/10X25BOX	0.170	13.0	90

Lifetime data

Commercial product name	Life To 10% Failures (h)	Life to 10% Failures Non Preheat (h)	Life to 10% Failures Preheat (h)	Life to 50% Failures (h)	Life to 50% Failures Non Preheat (h)	Life to 50% Failures Preheat (h)
TL Mini 4W/33-640 FAM/10X25BOX	5,000	3,000	5,000	10,000	7,000	10,000
TL Mini 6W/33-640 FAM/10X25BOX	5,000	3,000	5,000	10,000	7,000	10,000
TL Mini 8W/33-640 FAM/10X25BOX	5,000	3,000	5,000	10,000	7,000	10,000
TL Mini 8W/54-765 FAM/10X25BOX	5,000	3,000	5,000	10,000	7,000	10,000
TL Mini 13W/33-640 FAM/10X25BOX	4,000	3,000	4,000	8,000	6,000	8,000
TL Mini 13W/54-765 FAM/10X25BOX	4,000	3,000	4,000	8,000	6,000	8,000

Color data

Commercial product name	Colour Rendering Index	Light source color	Color Designation
TL Mini 4W/33-640 FAM/10X25BOX	60	33-640	Cool White (CW)
TL Mini 6W/33-640 FAM/10X25BOX	60	33-640	Cool White (CW)
TL Mini 8W/33-640 FAM/10X25BOX	60	33-640	Cool White (CW)
TL Mini 8W/54-765 FAM/10X25BOX	75	54-765	Cool Daylight
TL Mini 13W/33-640 FAM/10X25BOX	60	33-640	Cool White (CW)
TL Mini 13W/54-765 FAM/10X25BOX	75	54-765	Cool Daylight

Luminous flux/efficacy/intensity data

Commercial product name	Luminous Flux (lm)	Luminous Efficacy (Rated) (lm/W)	Luminance (cd/cm ²)
TL Mini 4W/33-640 FAM/10X25BOX	140	35.0	0.70
TL Mini 6W/33-640 FAM/10X25BOX	260	43.0	0.85
TL Mini 8W/33-640 FAM/10X25BOX	410	51.0	0.90
TL Mini 8W/54-765 FAM/10X25BOX	340	48.0	0.75
TL Mini 13W/33-640 FAM/10X25BOX	930	71.0	1.10
TL Mini 13W/54-765 FAM/10X25BOX	740	57.0	0.90


Rated Lumen Maintenance data

Commercial product name	Lumen Maintenance 2000 h (%)	Lumen Maintenance 5000 h (%)	Lumen Maintenance 10000 h (%)
TL Mini 4W/33-640 FAM/10X25BOX	70	70	58
TL Mini 6W/33-640 FAM/10X25BOX	75	70	58
TL Mini 8W/33-640 FAM/10X25BOX	80	70	58
TL Mini 8W/54-765 FAM/10X25BOX	80	70	58
TL Mini 13W/33-640 FAM/10X25BOX	85	70	58
TL Mini 13W/54-765 FAM/10X25BOX	85	70	58

Temperature data


Commercial product name	Correlated Color Temperature	Default Ambient Temperature
	(K)	(°C)
TL Mini 4W/33-640 FAM/10X25BOX	4,100	25
TL Mini 6W/33-640 FAM/10X25BOX	4,100	25
TL Mini 8W/33-640 FAM/10X25BOX	4,100	25
TL Mini 8W/54-765 FAM/10X25BOX	6,200	25
TL Mini 13W/33-640 FAM/10X25BOX	4,100	25
TL Mini 13W/54-765 FAM/10X25BOX	6,200	25

Environmental data & ETIM group & Design Requirements

Commercial product name	Energy Consumption kWh/1000 h		Mercury (Hg) Content	ETIM Group ¹
	(kWh)		(mg)	
TL Mini 4W/33-640 FAM/10X25BOX	5	B	4.4	EC000108
TL Mini 6W/33-640 FAM/10X25BOX	7	B	4.4	EC000108
TL Mini 8W/33-640 FAM/10X25BOX	8	A	4.4	EC000108
TL Mini 8W/54-765 FAM/10X25BOX	8	A	4.4	EC000108
TL Mini 13W/33-640 FAM/10X25BOX	14	A	4.4	EC000108
TL Mini 13W/54-765 FAM/10X25BOX	14	A	4.4	EC000108

¹ 'ETIM Group' value description(s): 'EC000108' = Fluorescent Lamp

Operating data

Commercial product name	Default Burning Position	Default Gear		Default Cycle Time
TL Mini 4W/33-640 FAM/10X25BOX	Horizontal	Electromagnetic	Yes	3 hour cycle
TL Mini 6W/33-640 FAM/10X25BOX	Horizontal	Electromagnetic	Yes	3 hour cycle
TL Mini 8W/33-640 FAM/10X25BOX	Horizontal	Electromagnetic	Yes	3 hour cycle
TL Mini 8W/54-765 FAM/10X25BOX	Horizontal	Electromagnetic	Yes	3 hour cycle
TL Mini 13W/33-640 FAM/10X25BOX	Horizontal	Electromagnetic	Yes	3 hour cycle
TL Mini 13W/54-765 FAM/10X25BOX	Horizontal	Electromagnetic	Yes	3 hour cycle

Miscellaneous & General data

Commercial product name	Bulb Shape ²	Cap-Base	ILCOS Code
TL Mini 4W/33-640 FAM/10X25BOX	T5	G5	FD-4/41/2B-E-G5
TL Mini 6W/33-640 FAM/10X25BOX	T5	G5	FD-6/41/2B-E-G5
TL Mini 8W/33-640 FAM/10X25BOX	T5	G5	FD-8/41/2B-E-G5
TL Mini 8W/54-765 FAM/10X25BOX	T5	G5	FD-8/62/2A-E-G5
TL Mini 13W/33-640 FAM/10X25BOX	T5	G5	FD-13/41/2B-E-G5
TL Mini 13W/54-765 FAM/10X25BOX	T5	G5	FD-13/62/2A-E-G5

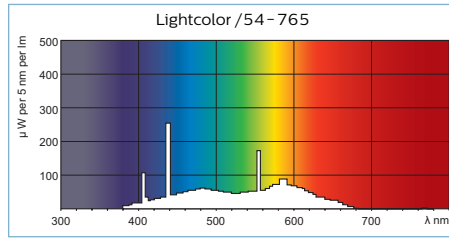
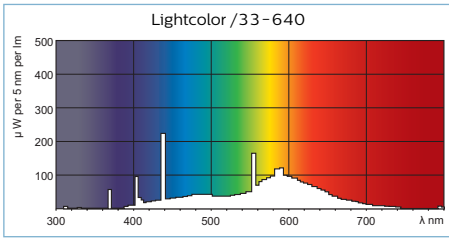
² 'Bulb Shape' value description(s): 'T5' = 16 mm (T5)

Logistic data

Commercial product name	SAP Packing (Piece)/Packaging configuration ³	Numerator - Packs per outer box	Ordering number 8711500...	Material Nr. (12NC)	SAP Gross Weight (Piece)	Net Weight (Piece)	EAN-3 8711500...
				(9280...)	(g)	(g)	
TL Mini 4W/33-640 FAM/10X25BOX	FM / 250	250	61568827	00003340	17.948	14.00	615701
TL Mini 6W/33-640 FAM/10X25BOX	FM / 250	250	71583827	00503340	26.912	21.00	715852
TL Mini 8W/33-640 FAM/10X25BOX	FM / 250	250	70473327	01003318	34.792	27.00	718440
TL Mini 8W/54-765 FAM/10X25BOX	FM / 250	250	71628627	01005440	34.792	27.00	716309
TL Mini 13W/33-640 FAM/10X25BOX	FM / 250	250	70475727	01503340	56.800	50.34	718518
TL Mini 13W/54-765 FAM/10X25BOX	FM / 250	250	71671227	01505440	56.800	50.34	716736

³ 'SAP Packing (Piece)/Packaging configuration' value description(s): 'FM / 250' = FOAM PACK

Spectral power distribution



Cap-Base Overview

