



Fit-for-use TL5 lamp

TL5 Essential HE Super 80

Philips TL5 Essential Super80 is a new fluorescent lamp which provides home users and professional end-users an aesthetic miniaturized lighting solution with high reliability at low price.

Benefits

- 40% less tube dimension than T8 fluorescent lamps. Reducing luminaire, stock and transportation cost
- Slim 16 mm tube allows more compact and flexible luminaire design
- Max lumen output at 35°C ambient temperature, more suitable to actual lighting situation
- Comfortable working and living ambiances with CRI more than 80
- Provides highly reliable and high quality lighting solution at low cost
- Creates atmospheres from warm white to cool daylight

Features

- Small diameter of 16mm only
- "Cold Chamber" technology
- Applied with electronic ballast for TL5 only
- Operate at temperature from 5°C to 50°C

Application

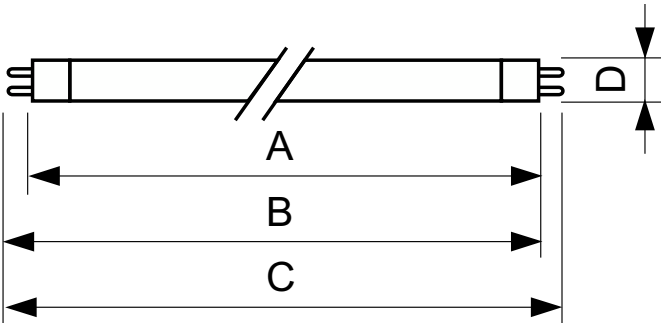
- Suitable for use at locations where need compact, high efficient, energy saving lighting. Including offices, shops, supermarkets, schools, hospitals and industrial lighting.

Warnings and Safety

- 20,000 hours lifetime (50% survival point, 3 hour cycle) with preheat ballast which is ENEC compliant. Lifetime performance may differ on non-ENEC compliant ballasts.

TL5 Essential HE Super 80

Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
TL5 Essential 14W/830 1SL/40	17,0 mm	549,0 mm	556,1 mm	553,7 mm	563,2 mm
TL5 Essential 14W/840 1SL/40	17,0 mm	549,0 mm	556,1 mm	553,7 mm	563,2 mm
TL5 Essential 14W/865 1SL/40	17,0 mm	549,0 mm	556,1 mm	553,7 mm	563,2 mm
TL5 Essential 21W/830 1SL/40	17,0 mm	849,0 mm	856,1 mm	853,7 mm	863,2 mm
TL5 Essential 21W/840 1SL/40	17,0 mm	849,0 mm	856,1 mm	853,7 mm	863,2 mm
TL5 Essential 21W/865 1SL/40	17,0 mm	849,0 mm	856,1 mm	853,7 mm	863,2 mm
TL5 Essential 28W/830 1SL/40	17,0 mm	1.149,0 mm	1.156,1 mm	1.153,7 mm	1.163,2 mm
TL5 Essential 28W/840 1SL/40	17,0 mm	1.149,0 mm	1.156,1 mm	1.153,7 mm	1.163,2 mm
TL5 Essential 28W/865 1SL/40	17,0 mm	1.149,0 mm	1.156,1 mm	1.153,7 mm	1.163,2 mm

Informasi Umum	
Tutup-Dasar	G5
Teknis Lampu	
Indeks renderasi warna (CRI)	82
Pengoperasian dan Kelistrikan	
Arus Lampu (Nom)	0,170 A
Kontrol dan Peredupan	
Dapat diredupkan	Tidak
Mekanis dan Housing	
Bentuk Bohlam	T5
Penyetujuan dan Aplikasi	
Kandungan Merkuri (Hg) (Nom)	2,0 mg

Informasi Umum

Order Code	Full Product Name	Nominal masa pakai
927925983058	TL5 Essential 14W/830 1SL/40	15.000 jam
927925984058	TL5 Essential 14W/840 1SL/40	15.000 jam
927925986558	TL5 Essential 14W/865 1SL/40	15.000 jam
927926483058	TL5 Essential 21W/830 1SL/40	-
927926484058	TL5 Essential 21W/840 1SL/40	-

Order Code	Full Product Name	Nominal masa pakai
927926486558	TL5 Essential 21W/865 1SL/40	-
927926783058	TL5 Essential 28W/830 1SL/40	15.000 jam
927926784058	TL5 Essential 28W/840 1SL/40	15.000 jam
927926786558	TL5 Essential 28W/865 1SL/40	15.000 jam

Teknis Lampu

TL5 Essential HE Super 80

Order Code	Full Product Name	Penandaan Warna	Daya		
			Suhu Warna (Nom)	Penerangan (terukur) (Nom)	Flux Cahaya
927925983058	TL5 Essential 14W/830 1SL/40	Warm White (WW)	3000 K	88 lm/W	1.350 lm
927925984058	TL5 Essential 14W/840 1SL/40	Cool White (CW)	4000 K	88 lm/W	1.350 lm
927925986558	TL5 Essential 14W/865 1SL/40	Cool Daylight	6500 K	84 lm/W	1.260 lm
927926483058	TL5 Essential 21W/830 1SL/40	Warm White (WW)	3000 K	94 lm/W	2.100 lm
927926484058	TL5 Essential 21W/840 1SL/40	Cool White (CW)	4000 K	94 lm/W	2.100 lm

Order Code	Full Product Name	Penandaan Warna	Daya		
			Suhu Warna (Nom)	Penerangan (terukur) (Nom)	Flux Cahaya
927926486558	TL5 Essential 21W/865 1SL/40	Cool Daylight	6500 K	84 lm/W	1.900 lm
927926783058	TL5 Essential 28W/830 1SL/40	Warm White (WW)	3000 K	94 lm/W	2.900 lm
927926784058	TL5 Essential 28W/840 1SL/40	Cool White (CW)	4000 K	94 lm/W	2.900 lm
927926786558	TL5 Essential 28W/865 1SL/40	Cool Daylight	6500 K	94 lm/W	2.700 lm

Pengoperasian dan Kelistrikan

Order Code	Full Product Name	Konsumsi Daya
927925983058	TL5 Essential 14W/830 1SL/40	14,3 W
927925984058	TL5 Essential 14W/840 1SL/40	14,3 W
927925986558	TL5 Essential 14W/865 1SL/40	14 W
927926483058	TL5 Essential 21W/830 1SL/40	20,8 W
927926484058	TL5 Essential 21W/840 1SL/40	20,8 W

Order Code	Full Product Name	Konsumsi Daya
927926486558	TL5 Essential 21W/865 1SL/40	20,8 W
927926783058	TL5 Essential 28W/830 1SL/40	27,8 W
927926784058	TL5 Essential 28W/840 1SL/40	27,8 W
927926786558	TL5 Essential 28W/865 1SL/40	27,8 W

Penyetujuan dan Aplikasi

Order Code	Full Product Name	Penggunaan Energi kWh/1000 h
927925983058	TL5 Essential 14W/830 1SL/40	-
927925984058	TL5 Essential 14W/840 1SL/40	15 kWh
927925986558	TL5 Essential 14W/865 1SL/40	15 kWh
927926483058	TL5 Essential 21W/830 1SL/40	23 kWh
927926484058	TL5 Essential 21W/840 1SL/40	-

Order Code	Full Product Name	Penggunaan Energi kWh/1000 h
927926486558	TL5 Essential 21W/865 1SL/40	-
927926783058	TL5 Essential 28W/830 1SL/40	31 kWh
927926784058	TL5 Essential 28W/840 1SL/40	31 kWh
927926786558	TL5 Essential 28W/865 1SL/40	31 kWh

