



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.

Vantaggi

- 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

Caratteristiche

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

Applicazione

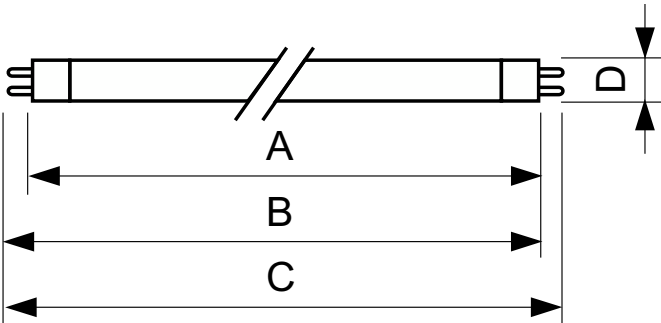
- Suitable for use at locations where need compact, high efficient, energy saving lighting. Including offices, shops, supermarkets, schools, hospitals and industrial lighting.

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

Disegno tecnico



Product	D (max)	A (max)	B (max)	B (min)	C (max)
TL5 Essential 28W/840 1SL/40	17,0 mm	1149,0 mm	1156,1 mm	1153,7 mm	1163,2 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 28W/830 1SL/40	17,0 mm	1149,0 mm	1156,1 mm	1153,7 mm	1163,2 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/830 1SL/40	17,0 mm	549,0 mm	556,1 mm	553,7 mm	563,2 mm
TL5 Essential 28W/865 1SL/40	17,0 mm	1149,0 mm	1156,1 mm	1153,7 mm	1163,2 mm
TL5 Essential 21W/865 1SL/40	17,0 mm	849,0 mm	856,1 mm	853,7 mm	863,2 mm

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Approvazione e applicazione

Contenuto di mercurio (Hg) (Nom) 2,0 mg

Controlli e regolazione del flusso

Regolabile No

Funzionamento e parte elettrica

Corrente lampada (Nom) 0,170 A

Informazioni generali

Attacco G5

Vita al 50% di guasti preriscaldamento (Nom) 20000 h

Preriscaldamento LSF 16000 h specificato 70 %

Preriscaldamento LSF 20000 h specificato 50 %

Preriscaldamento LSF 2000 h specificato 98 %

Preriscaldamento LSF 4000 h specificato 97 %

Preriscaldamento LSF 6000 h specificato 95 %

Preriscaldamento LSF 8000 h specificato 93 %

Dati tecnici di illuminazione

Indice di resa dei colori (Max) 85

Indice di resa dei colori (Min) 80

Indice di resa dei colori (Nom) 82

LLMF 12000 h specificato 88 %

LLMF 16000 h specificato 87 %

LLMF 2000 h specificato 94 %

LLMF 20000 h specificato 86 %

LLMF 4000 h specificato 92 %

LLMF 6000 h specificato 91 %

LLMF 8000 h specificato 90 %

Meccanica e corpo

Forma lampadina T5

Temperatura

Temperatura di progettazione (Nom) 30 °C

Approvazione e applicazione

Order Code	Full Product Name	Consumo energetico kWh/1000 h
57033855	TL5 Essential 14W/840 1SL/40	15 kWh
57035255	TL5 Essential 14W/865 1SL/40	15 kWh
57043755	TL5 Essential 28W/830 1SL/40	31 kWh
57045155	TL5 Essential 28W/840 1SL/40	31 kWh
57047555	TL5 Essential 28W/865 1SL/40	31 kWh

Funzionamento e parte elettrica

Order Code	Full Product Name	Potenza (nom)
57033855	TL5 Essential 14W/840 1SL/40	14,3 W
57035255	TL5 Essential 14W/865 1SL/40	14 W
57043755	TL5 Essential 28W/830 1SL/40	27,8 W

Order Code	Full Product Name	Potenza (nom)
57045155	TL5 Essential 28W/840 1SL/40	27,8 W
57047555	TL5 Essential 28W/865 1SL/40	27,8 W

Dati tecnici di illuminazione (1/2)

TL5 Essential HE Super 80

Order Code	Full Product Name	Codice colore	Designazione colore	Efficienza	
				Temperatura di colore correlata (Nom)	luminosa (a lumen max, specificata) (Nom)
57033855	TL5 Essential 14W/840 1SL/40	840	Bianca neutra (CW)	4000 K	96 lm/W
57035255	TL5 Essential 14W/865 1SL/40	865	Bianca fredda	6500 K	90 lm/W
57043755	TL5 Essential 28W/830 1SL/40	830	Bianca calda (WW)	3000 K	104 lm/W

Order Code	Full Product Name	Codice colore	Designazione colore	Efficienza	
				Temperatura di colore correlata (Nom)	luminosa (a lumen max, specificata) (Nom)
57045155	TL5 Essential 28W/840 1SL/40	840	Bianca neutra (CW)	4000 K	104 lm/W
57047555	TL5 Essential 28W/865 1SL/40	865	Bianca fredda	6500 K	97 lm/W

Dati tecnici di illuminazione (2/2)

Order Code	Full Product Name	Efficienza		
		luminosa (specificata) (Nom)	Flusso luminoso (Nom)	Flusso luminoso (specificato) (Nom)
57033855	TL5 Essential 14W/840 1SL/40	88 lm/W	1350 lm	1260 lm
57035255	TL5 Essential 14W/865 1SL/40	84 lm/W	1260 lm	1200 lm
57043755	TL5 Essential 28W/830 1SL/40	94 lm/W	2900 lm	2600 lm

Order Code	Full Product Name	Efficienza		
		luminosa (specificata) (Nom)	Flusso luminoso (Nom)	Flusso luminoso (specificato) (Nom)
57045155	TL5 Essential 28W/840 1SL/40	94 lm/W	2900 lm	2600 lm
57047555	TL5 Essential 28W/865 1SL/40	94 lm/W	2700 lm	2600 lm

