

Lighting

PHILIPS

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
- \cdot Max lumen output at 35°C ambient temperature, more suitable to actual lighting situation
- \cdot Comfortable working and living ambiences with CRI more than 80
- Provides highly reliable and high quality lighting solution at low cost
- \cdot Creates atmospheres from warm white to cool daylight

Features

- \cdot 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

Versions



28 W G5 Cool white Linear fluorescent tube - RFT

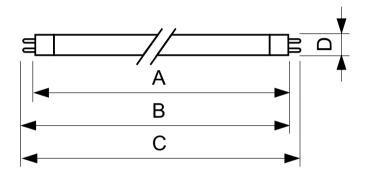


14 W G5 Warm white Linear fluorescent tube - RFT



14 W G5 Cool daylight Linear fluorescent tube - RFT

Dimensional drawing



D (max)	A (max)	B (max)	B (min)	C (max)
. ,	. ,	556.1 mm	553.7 mm	563.2 mm
17.0 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm
17.0 mm	1,149.0 mm	1,156.1 mm	1,153.7 mm	1,163.2 mm
17.0 mm	1,149.0 mm	1,156.1 mm	1,153.7 mm	1,163.2 mm
17.0 mm	1,149.0 mm	1,156.1 mm	1,153.7 mm	1,163.2 mm
17.0 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm
17.0 mm	849.0 mm	856.1 mm	853.7 mm	863.2 mm
17.0 mm	849.0 mm	856.1 mm	853.7 mm	863.2 mm
	17.0 mm 17.0 mm 17.0 mm 17.0 mm 17.0 mm 17.0 mm	17.0 mm 1,149.0 mm 17.0 mm 1,149.0 mm 17.0 mm 1,149.0 mm	17.0 mm 549.0 mm 556.1 mm 17.0 mm 549.0 mm 556.1 mm 17.0 mm 1,149.0 mm 1,156.1 mm 17.0 mm 1,49.0 mm 556.1 mm 17.0 mm 849.0 mm 556.1 mm	17.0 mm 549.0 mm 556.1 mm 553.7 mm 17.0 mm 549.0 mm 556.1 mm 553.7 mm 17.0 mm 1,149.0 mm 1,156.1 mm 1,153.7 mm 17.0 mm 1,49.0 mm 1,156.1 mm 1,153.7 mm 17.0 mm 1,49.0 mm 556.1 mm 553.7 mm 17.0 mm 849.0 mm 556.1 mm 553.7 mm

28 W G5 Warm white Linear

28 W G5 Cool daylight Linear

fluorescent tube - RFT

fluorescent tube - RFT

General Information	
Cap-Base	G5
Light Technical	
Color rendering index (CRI)	82
Operating and Electrical	
Lamp Current (Nom)	0.170 A
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Shape	T5
Approval and Application	
Mercury (Hg) Content (Nom)	2.0 mg

General Information

TL5 Essential HE Super 80

Order Code	Full Product Name	Nominal lifetime
927926784058	28 W G5 Cool white Linear fluorescent tube	15,000 hour(s)
927926783058	28 W G5 Warm white Linear fluorescent tube	15,000 hour(s)
927925983058	14 W G5 Warm white Linear fluorescent tube	15,000 hour(s)
927926786558	28 W G5 Cool daylight Linear fluorescent tube	15,000 hour(s)

Order Code	Full Product Name	Nominal lifetime
927925986558	14 W G5 Cool daylight Linear fluorescent tube	15,000 hour(s)
927925982758	TL5 Essential 14W/827 1SL/40	-
927926483058	TL5 Essential 21W/830 1SL/40	-
927926486558	TL5 Essential 21W/865 1SL/40	-

Light Technical

			Correlated Color	Luminous Efficacy			
	Full Product	Color	Temperature	(rated)	Luminous		Full Produ
Order Code	Name	Designation	(Nom)	(Nom)	Flux	Order Code	Name
927926784058	28 W G5 Cool	Cool White	4000 K	94 lm/W	2,900 lm		fluorescen
	white Linear	(CW)					tube
	fluorescent					927925986558	14 W G5 Co
	tube						daylight
927926783058	28 W G5	Warm White	3000 K	94 lm/W	2,900 lm		Linear
	Warm white	(WW)					fluorescen
	Linear						tube
	fluorescent					927925982758	TL5 Essent
	tube						14W/827
927925983058	14 W G5 Warm	Warm White	3000 K	88 lm/W	1,350 lm		1SL/40
	white Linear	(WW)				927926483058	TL5 Essent
	fluorescent						21W/830
	tube						1SL/40
927926786558	28 W G5 Cool	Cool Daylight	6500 K	94 lm/W	2,700 lm	927926486558	TL5 Essent
	daylight						21W/865
	Linear						1SL/40

			Correlated	Luminous	
			Color	Efficacy	
	Full Product	Color	Temperature	(rated)	Luminous
Order Code	Name	Designation	(Nom)	(Nom)	Flux
	fluorescent				
	tube				
927925986558	14 W G5 Cool	Cool Daylight	6500 K	84 lm/W	1,260 lm
	daylight				
	Linear				
	fluorescent				
	tube				
927925982758	TL5 Essential	Incandescent	2700 K	88 lm/W	1,350 lm
	14W/827	White			
	1SL/40				
927926483058	TL5 Essential	Warm White	3000 K	94 lm/W	2,100 lm
	21W/830	(WW)			
	1SL/40				
927926486558	TL5 Essential	Cool Daylight	6500 K	84 lm/W	1,900 lm
	21W/865				
	1SL/40				
				-	

Operating and Electrical

Order Code	Full Product Name	Power Consumption
927926784058	28 W G5 Cool white Linear fluorescent tube	28 W
927926783058	28 W G5 Warm white Linear fluorescent tube	28 W
927925983058	14 W G5 Warm white Linear fluorescent tube	14 W
927926786558	28 W G5 Cool daylight Linear fluorescent tube	28 W

Order Code	Full Product Name	Power Consumption
927925986558	14 W G5 Cool daylight Linear fluorescent tube	14 W
927925982758	TL5 Essential 14W/827 1SL/40	14.3 W
927926483058	TL5 Essential 21W/830 1SL/40	20.8 W
927926486558	TL5 Essential 21W/865 1SL/40	20.8 W

Approval and Application

	Energy Consumption
Full Product Name	kWh/1000 h
28 W G5 Cool white Linear fluorescent tube	31 kWh
28 W G5 Warm white Linear fluorescent tube	31 kWh
14 W G5 Warm white Linear fluorescent tube	-
28 W G5 Cool daylight Linear fluorescent tube	31 kWh
	28 W G5 Cool white Linear fluorescent tube 28 W G5 Warm white Linear fluorescent tube 14 W G5 Warm white Linear fluorescent tube

			Energy Consumption
	Order Code	Full Product Name	kWh/1000 h
	927925986558	14 W G5 Cool daylight Linear fluorescent tube	15 kWh
	927925982758	TL5 Essential 14W/827 1SL/40	-
	927926483058	TL5 Essential 21W/830 1SL/40	23 kWh
	927926486558	TL5 Essential 21W/865 1SL/40	-

TL5 Essential HE Super 80



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