



High efficient fluorescent lighting

MASTER TL5 High Efficiency

This TL5 lamp (tube diameter 16 mm) has a high luminous efficacy, resulting in low energy consumption. The High Efficiency TL5 lamp offers excellent lumen maintenance and good color rendering. Application areas are offices, industry, public and governmental buildings, schools, hospitals and indoor sports lighting.

Benefits

- Allows system miniaturization and maximum luminaire design freedom
- Lamp lengths enable easy fitting into ceiling module systems
- High lamp efficacies and luminaire efficiencies

Features

- 40% thinner and 5 cm shorter than corresponding TL-D lamps
- High lamp efficacies up to 104 lm/W
- Specifically designed for operation with electronic gear
- Maximum light output reached at approximately 35 °C in free-burning position

Application

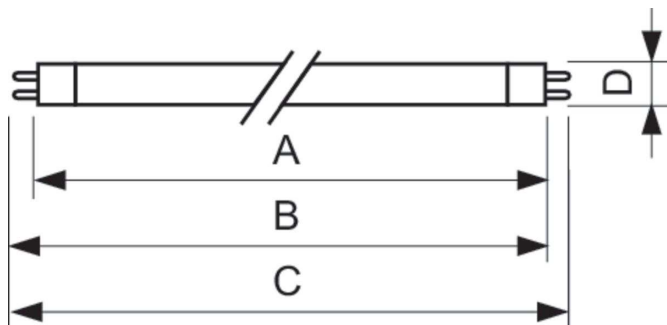
- Ideally suited for recessed, surface-mounted and suspended luminaires in applications like offices, shops, schools, public buildings and industry (low ceiling), wherever high-quality, energy-effective lighting is required

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.

MASTER TL5 High Efficiency

Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HE 14W/827 SLV/40	17 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm
MASTER TL5 HE 14W/830 1SL/20	17 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm
MASTER TL5 HE 14W/830 SLV/40	17 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm
MASTER TL5 HE 14W/830 UNP/40	17 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm
MASTER TL5 HE 14W/835 SLV/40	17 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm
MASTER TL5 HE 14W/840 1SL/20	17 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm
MASTER TL5 HE 14W/840 SLV/40	17 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm
MASTER TL5 HE 14W/840 UNP/40	17 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm
MASTER TL5 HE 14W/865 SLV/40	17 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm
MASTER TL5 HE 21W/827 SLV/40	17 mm	849.0 mm	856.1 mm	853.7 mm	863.2 mm
MASTER TL5 HE 21W/830 SLV/20	17 mm	849.0 mm	856.1 mm	853.7 mm	863.2 mm
MASTER TL5 HE 21W/830 SLV/40	17 mm	849.0 mm	856.1 mm	853.7 mm	863.2 mm
MASTER TL5 HE 21W/830 UNP/40	17 mm	849.0 mm	856.1 mm	853.7 mm	863.2 mm
MASTER TL5 HE 21W/840 SLV/20	17 mm	849.0 mm	856.1 mm	853.7 mm	863.2 mm
MASTER TL5 HE 21W/840 SLV/40	17 mm	849.0 mm	856.1 mm	853.7 mm	863.2 mm
MASTER TL5 HE 21W/840 UNP/40	17 mm	849.0 mm	856.1 mm	853.7 mm	863.2 mm
MASTER TL5 HE 21W/865 SLV/40	17 mm	849.0 mm	856.1 mm	853.7 mm	863.2 mm
MASTER TL5 HE 28W/827 SLV/40	17 mm	1,149.0 mm	1,156.1 mm	1,153.7 mm	1,163.2 mm
MASTER TL5 HE 28W/830 1SL/20	17 mm	1,149.0 mm	1,156.1 mm	1,153.7 mm	1,163.2 mm
MASTER TL5 HE 28W/830 SLV/40	17 mm	1,149.0 mm	1,156.1 mm	1,153.7 mm	1,163.2 mm
MASTER TL5 HE 28W/830 UNP/40	17 mm	1,149.0 mm	1,156.1 mm	1,153.7 mm	1,163.2 mm
MASTER TL5 HE 28W/835 SLV/40	17 mm	1,149.0 mm	1,156.1 mm	1,153.7 mm	1,163.2 mm
MASTER TL5 HE 28W/840 1SL/20	17 mm	1,149.0 mm	1,156.1 mm	1,153.7 mm	1,163.2 mm
MASTER TL5 HE 28W/840 SLV/40	17 mm	1,149.0 mm	1,156.1 mm	1,153.7 mm	1,163.2 mm
MASTER TL5 HE 28W/840 UNP/40	17 mm	1,149.0 mm	1,156.1 mm	1,153.7 mm	1,163.2 mm

MASTER TL5 High Efficiency

Dimensional drawing

Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HE 28W/865 SLV/40	17 mm	1,149.0 mm	1,156.1 mm	1,153.7 mm	1,163.2 mm
MASTER TL5 HE 35W/827 SLV/40	17 mm	1,449.0 mm	1,456.1 mm	1,453.7 mm	1,463.2 mm
MASTER TL5 HE 35W/830 SLV/20	17 mm	1,449.0 mm	1,456.1 mm	1,453.7 mm	1,463.2 mm
MASTER TL5 HE 35W/830 SLV/40	17 mm	1,449.0 mm	1,456.1 mm	1,453.7 mm	1,463.2 mm
MASTER TL5 HE 35W/830 UNP/40	17 mm	1,449.0 mm	1,456.1 mm	1,453.7 mm	1,463.2 mm
MASTER TL5 HE 35W/840 SLV/20	17 mm	1,449.0 mm	1,456.1 mm	1,453.7 mm	1,463.2 mm
MASTER TL5 HE 35W/840 SLV/40	17 mm	1,449.0 mm	1,456.1 mm	1,453.7 mm	1,463.2 mm
MASTER TL5 HE 35W/840 UNP/40	17 mm	1,449.0 mm	1,456.1 mm	1,453.7 mm	1,463.2 mm
MASTER TL5 HE 35W/865 SLV/40	17 mm	1,449.0 mm	1,456.1 mm	1,453.7 mm	1,463.2 mm

General Information	
Cap-Base	G5
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Bulb Shape	T5
Approval and Application	
Mercury (Hg) Content (Nom)	1.2 mg

Light Technical

Order Code	Full Product Name	Chromaticity	Chromaticity	Color Designation	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Efficacy (rated) (Nom)	Luminous Flux
		Coordinate X (Nom)	Coordinate Y (Nom)					
927926082755	MASTER TL5 HE 14W/827 SLV/40	0.463	0.42	Incandescent White	2700 K	82	86 lm/W	1,200 lm
927926083018	MASTER TL5 HE 14W/830 UNP/40	0.44	0.403	Warm White (WW)	3000 K	82	86 lm/W	1,200 lm
927926083055	MASTER TL5 HE 14W/830 SLV/40	0.44	0.403	Warm White (WW)	3000 K	82	86 lm/W	1,200 lm
927926083061	MASTER TL5 HE 14W/830 1SL/20	-	-	Warm White (WW)	3000 K	>80	86 lm/W	1,350 lm
927926083555	MASTER TL5 HE 14W/835 SLV/40	0.409	0.394	White (WH)	3500 K	82	86 lm/W	1,200 lm
927926084018	MASTER TL5 HE 14W/840 UNP/40	0.38	0.38	Cool White (CW)	4000 K	80	86 lm/W	1,200 lm

MASTER TL5 High Efficiency

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Color Designation	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Efficacy (rated) (Nom)	Luminous Flux
927926084055	MASTER TL5 HE 14W/840 SLV/40	0.38	0.38	Cool White (CW)	4000 K	80	86 lm/W	1,200 lm
927926084061	MASTER TL5 HE 14W/840 1SL/20	-	-	Cool White (CW)	4000 K	82	86 lm/W	1,350 lm
927926086555	MASTER TL5 HE 14W/865 SLV/40	0.313	0.337	Cool Daylight	6500 K	82	80 lm/W	1,125 lm
927926282755	MASTER TL5 HE 21W/827 SLV/40	0.463	0.42	Incandescent White	2700 K	82	90 lm/W	1,900 lm
927926283018	MASTER TL5 HE 21W/830 UNP/40	-	-	Warm White (WW)	3000 K	>80	90 lm/W	2,100 lm
927926283055	MASTER TL5 HE 21W/830 SLV/40	0.44	0.403	Warm White (WW)	3000 K	82	90 lm/W	1,900 lm
927926283061	MASTER TL5 HE 21W/830 SLV/20	-	-	Warm White (WW)	3000 K	>80	90 lm/W	2,100 lm
927926284018	MASTER TL5 HE 21W/840 UNP/40	-	-	Cool White (CW)	4000 K	82	90 lm/W	2,100 lm
927926284055	MASTER TL5 HE 21W/840 SLV/40	0.38	0.38	Cool White (CW)	4000 K	80	90 lm/W	1,900 lm
927926284061	MASTER TL5 HE 21W/840 SLV/20	-	-	Cool White (CW)	4000 K	82	90 lm/W	2,100 lm
927926286555	MASTER TL5 HE 21W/865 SLV/40	0.313	0.337	Cool Daylight	6500 K	82	84 lm/W	1,750 lm
927926582755	MASTER TL5 HE 28W/827 SLV/40	0.463	0.42	Incandescent White	2700 K	82	96 lm/W	2,675 lm
927926583018	MASTER TL5 HE 28W/830 UNP/40	0.44	0.403	Warm White (WW)	3000 K	82	96 lm/W	2,675 lm
927926583055	MASTER TL5 HE 28W/830 SLV/40	0.44	0.403	Warm White (WW)	3000 K	82	96 lm/W	2,675 lm
927926583061	MASTER TL5 HE 28W/830 1SL/20	-	-	Warm White (WW)	3000 K	>80	96 lm/W	2,900 lm
927926583555	MASTER TL5 HE 28W/835 SLV/40	0.409	0.394	White (WH)	3500 K	82	96 lm/W	2,675 lm
927926584018	MASTER TL5 HE 28W/840 UNP/40	0.38	0.38	Cool White (CW)	4000 K	80	96 lm/W	2,675 lm
927926584055	MASTER TL5 HE 28W/840 SLV/40	0.38	0.38	Cool White (CW)	4000 K	80	96 lm/W	2,675 lm
927926584061	MASTER TL5 HE 28W/840 1SL/20	-	-	Cool White (CW)	4000 K	82	96 lm/W	2,900 lm
927926586555	MASTER TL5 HE 28W/865 SLV/40	0.313	0.337	Cool Daylight	6500 K	82	90 lm/W	2,500 lm
927927082755	MASTER TL5 HE 35W/827 SLV/40	0.463	0.42	Incandescent White	2700 K	82	94 lm/W	3,315 lm
927927083018	MASTER TL5 HE 35W/830 UNP/40	0.44	0.403	Warm White (WW)	3000 K	82	94 lm/W	3,315 lm
927927083055	MASTER TL5 HE 35W/830 SLV/40	0.44	0.403	Warm White (WW)	3000 K	82	94 lm/W	3,315 lm
927927083061	MASTER TL5 HE 35W/830 SLV/20	-	-	Warm White (WW)	3000 K	82	94 lm/W	3,650 lm
927927084018	MASTER TL5 HE 35W/840 UNP/40	0.38	0.38	Cool White (CW)	4000 K	80	94 lm/W	3,315 lm

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Order Code	Full Product Name	Chromaticity	Chromaticity	Color Designation	Correlated Color Temperature (Nom)	Color	Luminous Efficacy (rated) (Nom)	Luminous Flux
		Coordinate X (Nom)	Coordinate Y (Nom)			rendering index (CRI)		
927927084055	MASTER TL5 HE 35W/840 SLV/40	0.38	0.38	Cool White (CW)	4000 K	80	94 lm/W	3,315 lm
927927084061	MASTER TL5 HE 35W/840 SLV/20	-	-	Cool White (CW)	4000 K	82	94 lm/W	3,650 lm
927927086555	MASTER TL5 HE 35W/865 SLV/40	0.313	0.337	Cool Daylight	6500 K	82	87 lm/W	3,100 lm

Operating and Electrical

Order Code	Full Product Name	Lamp Current		Order Code	Full Product Name	Lamp Current	
		(Nom)	Power Consumption			(Nom)	Power Consumption
927926082755	MASTER TL5 HE 14W/827 SLV/40	0.165 A	14.0 W	927926582755	MASTER TL5 HE 28W/827 SLV/40	0.170 A	28.1 W
927926083018	MASTER TL5 HE 14W/830 UNP/40	0.165 A	14.0 W	927926583018	MASTER TL5 HE 28W/830 UNP/40	0.170 A	28.1 W
927926083055	MASTER TL5 HE 14W/830 SLV/40	0.165 A	14.0 W	927926583055	MASTER TL5 HE 28W/830 SLV/40	0.170 A	28.1 W
927926083061	MASTER TL5 HE 14W/830 1SL/20	0.165 A	14 W	927926583061	MASTER TL5 HE 28W/830 1SL/20	0.170 A	27.9 W
927926083555	MASTER TL5 HE 14W/835 SLV/40	0.165 A	14.0 W	927926583555	MASTER TL5 HE 28W/835 SLV/40	0.170 A	28.1 W
927926084018	MASTER TL5 HE 14W/840 UNP/40	0.165 A	14.0 W	927926584018	MASTER TL5 HE 28W/840 UNP/40	0.170 A	28.1 W
927926084055	MASTER TL5 HE 14W/840 SLV/40	0.165 A	14.0 W	927926584055	MASTER TL5 HE 28W/840 SLV/40	0.170 A	28.1 W
927926084061	MASTER TL5 HE 14W/840 1SL/20	0.165 A	14 W	927926584061	MASTER TL5 HE 28W/840 1SL/20	0.170 A	27.9 W
927926086555	MASTER TL5 HE 14W/865 SLV/40	0.165 A	14.0 W	927926586555	MASTER TL5 HE 28W/865 SLV/40	0.170 A	28.1 W
927926282755	MASTER TL5 HE 21W/827 SLV/40	0.165 A	20.8 W	927927082755	MASTER TL5 HE 35W/827 SLV/40	0.175 A	34.9 W
927926283018	MASTER TL5 HE 21W/830 UNP/40	0.165 A	20.6 W	927927083018	MASTER TL5 HE 35W/830 UNP/40	0.175 A	34.9 W
927926283055	MASTER TL5 HE 21W/830 SLV/40	0.165 A	20.8 W	927927083055	MASTER TL5 HE 35W/830 SLV/40	0.175 A	34.9 W
927926283061	MASTER TL5 HE 21W/830 SLV/20	0.165 A	20.6 W	927927083061	MASTER TL5 HE 35W/830 SLV/20	0.175 A	35.5 W
927926284018	MASTER TL5 HE 21W/840 UNP/40	0.165 A	20.6 W	927927084018	MASTER TL5 HE 35W/840 UNP/40	0.175 A	34.9 W
927926284055	MASTER TL5 HE 21W/840 SLV/40	0.165 A	20.8 W	927927084055	MASTER TL5 HE 35W/840 SLV/40	0.175 A	34.9 W
927926284061	MASTER TL5 HE 21W/840 SLV/20	0.165 A	20.6 W	927927084061	MASTER TL5 HE 35W/840 SLV/20	0.175 A	35.5 W
927926286555	MASTER TL5 HE 21W/865 SLV/40	0.165 A	20.8 W	927927086555	MASTER TL5 HE 35W/865 SLV/40	0.175 A	34.9 W

Approval and Application

MASTER TL5 High Efficiency

Order Code	Full Product Name	Energy Consumption kWh/1000 h
927926082755	MASTER TL5 HE 14W/827 SLV/40	14 kWh
927926083018	MASTER TL5 HE 14W/830 UNP/40	14 kWh
927926083055	MASTER TL5 HE 14W/830 SLV/40	14 kWh
927926083061	MASTER TL5 HE 14W/830 1SL/20	15 kWh
927926083555	MASTER TL5 HE 14W/835 SLV/40	14 kWh
927926084018	MASTER TL5 HE 14W/840 UNP/40	14 kWh
927926084055	MASTER TL5 HE 14W/840 SLV/40	14 kWh
927926084061	MASTER TL5 HE 14W/840 1SL/20	15 kWh
927926086555	MASTER TL5 HE 14W/865 SLV/40	14 kWh
927926282755	MASTER TL5 HE 21W/827 SLV/40	21 kWh
927926283018	MASTER TL5 HE 21W/830 UNP/40	23 kWh
927926283055	MASTER TL5 HE 21W/830 SLV/40	21 kWh
927926283061	MASTER TL5 HE 21W/830 SLV/20	23 kWh
927926284018	MASTER TL5 HE 21W/840 UNP/40	23 kWh
927926284055	MASTER TL5 HE 21W/840 SLV/40	21 kWh
927926284061	MASTER TL5 HE 21W/840 SLV/20	23 kWh
927926286555	MASTER TL5 HE 21W/865 SLV/40	21 kWh

Order Code	Full Product Name	Energy Consumption kWh/1000 h
927926582755	MASTER TL5 HE 28W/827 SLV/40	29 kWh
927926583018	MASTER TL5 HE 28W/830 UNP/40	29 kWh
927926583055	MASTER TL5 HE 28W/830 SLV/40	29 kWh
927926583061	MASTER TL5 HE 28W/830 1SL/20	31 kWh
927926583555	MASTER TL5 HE 28W/835 SLV/40	29 kWh
927926584018	MASTER TL5 HE 28W/840 UNP/40	29 kWh
927926584055	MASTER TL5 HE 28W/840 SLV/40	29 kWh
927926584061	MASTER TL5 HE 28W/840 1SL/20	31 kWh
927926586555	MASTER TL5 HE 28W/865 SLV/40	29 kWh
927927082755	MASTER TL5 HE 35W/827 SLV/40	35 kWh
927927083018	MASTER TL5 HE 35W/830 UNP/40	35 kWh
927927083055	MASTER TL5 HE 35W/830 SLV/40	35 kWh
927927083061	MASTER TL5 HE 35W/830 SLV/20	38 kWh
927927084018	MASTER TL5 HE 35W/840 UNP/40	35 kWh
927927084055	MASTER TL5 HE 35W/840 SLV/40	35 kWh
927927084061	MASTER TL5 HE 35W/840 SLV/20	38 kWh
927927086555	MASTER TL5 HE 35W/865 SLV/40	35 kWh

