



# Seeing colors in a natural way

## MASTER TL5 High Output 90 De Luxe

This TL5 High Output lamp (tube diameter 16 mm) has excellent color rendering (CRI > 90). This means that colors are presented in a natural way, making them appear rich, deep and enhanced as they do in daylight. Application areas are places where color rendering is key, e.g. the printing industry, libraries, museums, hospitals and shops (jewelry, flowers, clothing, textile, leather, carpets).

### Benefits

- Allows system miniaturisation and maximum luminaire design freedom, with lamp lengths defined for easy fitting into ceiling module systems
- Virtually constant lumen level with good lumen maintenance
- Excellent color rendering

### Features

- 40% thinner than TL-D lamps
- Highly efficient multi-band fluorescent coating in combination with precoating
- Specifically designed for operation with electronic gear and well-suited for dimming
- Maximum light output reached at approximately 35 °C in free-burning position if an electronic driver with cut-off feature is used
- Can be ignited from -15 to +50 °C

### Application

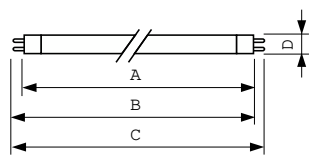
- Where a high color recognition is needed: first aid and treatment rooms in hospitals, printing rooms, jewellery manufacturing, dentists, hairdressing, museums and shops

### 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 Output 90 De Luxe

## Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HO 90 De Luxe 24W/965 1SL20	17 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm
MASTER TL5 HO 90 De Luxe 49W/965 1SL20	17 mm	1,449.0 mm	1,456.1 mm	1,453.7 mm	1,463.2 mm
MASTER TL5 HO 90 De Luxe 54W/940 1SL20	17 mm	1,149.0 mm	1,156.1 mm	1,153.7 mm	1,163.2 mm
MASTER TL5 HO 90 De Luxe 54W/952 1SL20	17 mm	1,149.0 mm	1,156.1 mm	1,153.7 mm	1,163.2 mm
MASTER TL5 HO 90 De Luxe 54W/965 1SL20	17 mm	1,149.0 mm	1,156.1 mm	1,153.7 mm	1,163.2 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	Luminous Efficacy (rated) (Nom)	Luminous Flux
		Coordinate X (Nom)	Coordinate Y (Nom)			rendering index (CRI)		
927991596524	MASTER TL5 HO 90 De Luxe 49W/965 1SL20	0.313	0.337	Cool Daylight	6500 K	92	76 lm/W	3,800 lm
927992096524	MASTER TL5 HO 90 De Luxe 24W/965 1SL20	0.313	0.337	Cool Daylight	6500 K	92	68 lm/W	1,525 lm
927993094024	MASTER TL5 HO 90 De Luxe 54W/940 1SL20	380	380	Cool White (CW)	4000 K	91	71 lm/W	4,300 lm
927993095024	MASTER TL5 HO 90 De Luxe 54W/952 1SL20	0.34	0.351	Daylight	5200 K	91	71 lm/W	3,825 lm
927993096524	MASTER TL5 HO 90 De Luxe 54W/965 1SL20	0.313	0.337	Cool Daylight	6500 K	92	71 lm/W	3,825 lm

## Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power Consumption
927991596524	MASTER TL5 HO 90 De Luxe 49W/965 1SL20	0.255 A	49.8 W
927992096524	MASTER TL5 HO 90 De Luxe 24W/965 1SL20	0.295 A	22.8 W
927993094024	MASTER TL5 HO 90 De Luxe 54W/940 1SL20	0.455 A	54.1 W

Order Code	Full Product Name	Lamp Current (Nom)	Power Consumption
927993095024	MASTER TL5 HO 90 De Luxe 54W/952 1SL20	0.455 A	54.6 W
927993096524	MASTER TL5 HO 90 De Luxe 54W/965 1SL20	0.455 A	54.6 W

# MASTER TL5 High Output 90 De Luxe

## Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
927991596524	MASTER TL5 HO 90 De Luxe 49W/965 1SL20	50 kWh
927992096524	MASTER TL5 HO 90 De Luxe 24W/965 1SL20	23 kWh
927993094024	MASTER TL5 HO 90 De Luxe 54W/940 1SL20	59 kWh

Order Code	Full Product Name	Energy Consumption kWh/1000 h
927993095024	MASTER TL5 HO 90 De Luxe 54W/952 1SL20	55 kWh
927993096524	MASTER TL5 HO 90 De Luxe 54W/965 1SL20	55 kWh

