



# Small size fluorescent lamp with improved light quality

## MASTER TL Mini Super 80

This TL Miniature lamp (tube diameter 16 mm) is a lamp with small dimensions, which enables system miniaturization and offers the possibility of operation on low-voltage DC supply. It is ideal for applications where better color rendering and efficacy (than standard colors) are required and where space is limited, e.g. halls, staircase lighting in apartment buildings, built into furniture, mirror and cupboard lighting, signage and emergency lighting.

### Benefits

- Good color rendering
- High efficacy, both initially and during lamp lifetime, with high lumen maintenance compared with standard lamps
- Small lamp dimensions enables system miniaturization

### Features

- Small diameter tubes
- Highly efficient 3-band fluorescent coating
- Possibility for operation on low-voltage DC supply

### Application

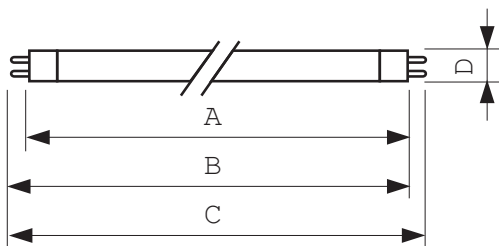
- Ideal for applications where space is limited and requiring better color rendering and efficacy than standard colors:
  - hall and staircase lighting in apartment buildings
  - built into furniture, mirror and cupboard lighting
  - emergency lighting

## Related products



G5, T5

## Dimensional drawing



## G5, T5

Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL 6W/840	212.1	216.8	219.2	226.3	16
TL 8W/827	288.3	293.0	295.4	302.5	16
TL 8W/830	288.3	293.0	295.4	302.5	16
TL 8W/840	288.3	293.0	295.4	302.5	16
TL 13W/827	516.9	521.6	524.0	531.1	16
TL 13W/830	516.9	521.6	524.0	531.1	16
TL 13W/840	516.9	521.6	524.0	531.1	16

# The light source for money checking!

## TL Mini Blacklight Blue

This TL Miniature lamp (tube diameter 16 mm) is made of blacklight blue (dark blue) glass, which transmits UV-A radiation, but gives only a minimum of visible light. It is a perfect solution for quick detection of UV-reflecting materials. It is used especially for testing, inspection and analysis in various branches of industry, e.g. criminology, philately and medicine. Furthermore, it is applied to create special effects in the entertainment industry, e.g. in nightclubs and theaters.

### Features

- Blacklight blue lamps have a straight outer envelope

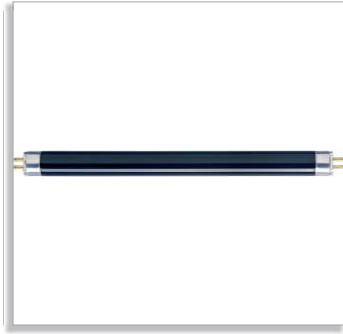
### Application

- Detection and analysis in the textile and chemical industries
- Archaeology
- Banking
- Forensic science
- Food industry
- Medicine
- Mineralogy
- Philately
- Special effects in night clubs, discos and theatres
- Sign lighting

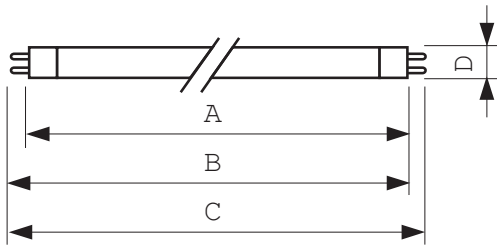
### System

- The lamps operate on AC mains supply via a ballast and a starter

## Related products



## Dimensional drawing



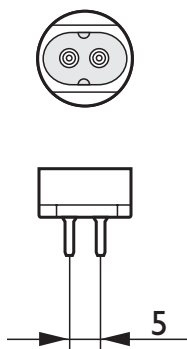
## TL G5

Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL 4W/108	135.9	140.6	143	150.1	16
TL 6W/108	212.1	216.8	219.2	226.3	16
TL 8W/108	288.3	293.0	295.4	302.5	16

## General Characteristics

Bulb	Cap-Base	Useful Life
T5	G5	5000 (max)
T5	G5	5000 (max)

Bulb	Cap-Base	Useful Life
T5	G5	5000 (max)



## Light Technical Characteristics

Color Designation (text)	Color Code
Blacklight Blue	108
Blacklight Blue	108
Blacklight Blue	108

## UV-related Characteristics

UV-B/UV-A (IEC)	UV-A Power (IEC)
0.25	0.48
0.25	0.88
0.25	1.3

## Electrical Characteristics

Lamp Current	Lamp Wattage
0.17	4
0.16	6
0.145	8

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# Small size fluorescent lamp

## TL Mini Standard Colours

This TL Miniature lamp (tube diameter 16 mm) is a lamp with small dimensions, which enables system miniaturization and offers the possibility of operation on low-voltage DC supply. It is ideal for applications where space is limited but where color rendering and efficacy are not the most important factors, such as orientation, signage and emergency lighting.

### **Benefits**

- Creates atmospheres from warm white to cool daylight

### **Features**

- 16 mm diameter tubes with moderate color rendering

### **Application**

- Ideal for applications where space is limited and color rendering is not important
- Orientation lighting
- Emergency lighting

### **System**

- Possibility for operation on low-voltage DC supply

## Installation diagrams

