

# TBS165 – affordable and efficient

## TBS165

Designed to address the need for energy-efficient basic lighting, the TBS165 luminaire makes it possible to save energy by replacing outdated electromagnetic installations with Philips TL5 technology. Featuring innovative dedicated TL5 optics, a choice of ballasts, sensors (presence detection, daylight regulation) and emergency lighting, the TBS165 range can be used for general lighting in a wide variety of applications, including offices, corridors, schools and shops (supermarkets, DIY). Combining high-frequency gear, sensors and MASTER TL5 lamps, it allows substantial energy savings. The low-height recessed luminaire fits in exposed ceilings. Conveniently, it does not have to be opened, as it has pre-installed lamps and can be connected from the outside.

### Benefits

- Substantial energy savings compared to TL-D solutions with electromagnetic ballasts
- TL5 luminaire with dedicated TL5 optics; highly innovative compared to TL-D
- Easy to install luminaires in low-height ceilings as it measures only 51 mm in height

### Features

- Dedicated TL5 luminaire
- High-gloss as well as matt optics
- Compliant with office lighting norm

### Application

- Offices
- Schools
- Shops (supermarkets, DIY stores)

### Specifications

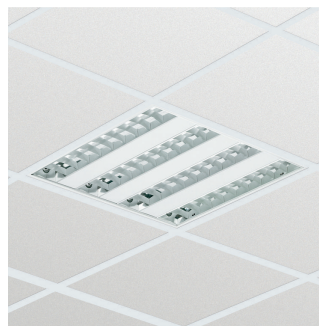
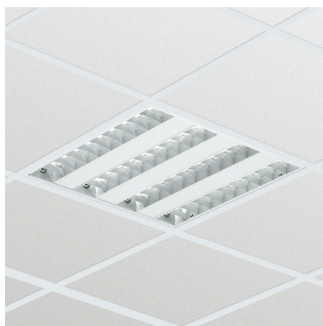
Type	TBS165 (module size: 600 mm)
	TBS166 (module size: 625 mm)

Ceiling grid	Module size in length: 600 x 600 mm
	Module size in length: 625 x 625 mm

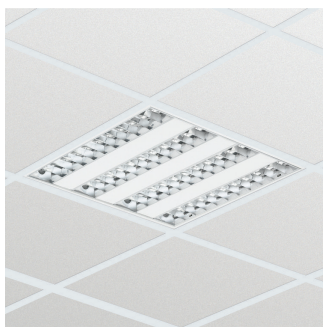
	Exposed T-bar ceiling
<b>Light source</b>	Fluorescent:
	- 3 or 4 x MASTER TL5 / G5 / 14 W
	- 2 x MASTER TL5 / G5 / 28 W
<b>Lamp included</b>	Yes (lamp color 830 or 840)
<b>Gear</b>	Electronic, 220-240 V / 50-60 Hz:
	- Performer (HFP)
	- Regulator, 1-10 V (HFR-E)
	- Regulator, DALI (HFD)
	- High Frequency (HF)
<b>Optic</b>	High-gloss aluminum louver with high-gloss 3D lamellas (C6)
	High-gloss aluminum louver with matt cross lamellas (C3)
	Matt aluminum louver with matt cross lamellas (M2)

<b>Connection (outside housing)</b>	Push-in connection with pull relief (PIP)
<b>Options</b>	Emergency lighting (integrated):
	- 1 hour (EL1)
	- 3 hours (EL3)
	Lighting controls:
	- Actilume multi controller (ACL)
	- In HFD versions DALI based
	- In HFR versions 1-10 V based
<b>Material</b>	Luxsense (LX)
	Safety cable (SC)
	Housing: pre-painted steel, RAL9016 based
<b>Installation</b>	Exposed t-bar ceilings (lay-in)

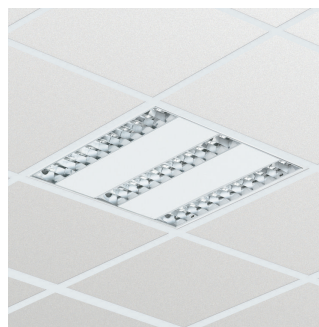
## Versions



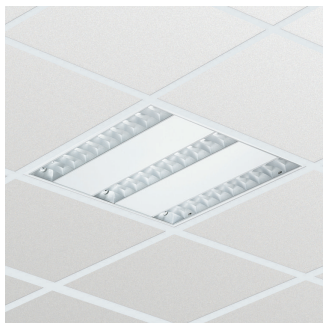
TBS165 recessed luminaire with high-gloss high-quality aluminum optic faceted with matt aluminum lamellae (C3)



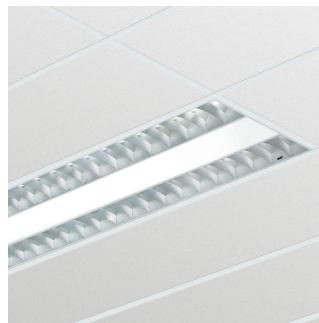
TBS165 recessed luminaire with OLC high-gloss aluminum optics with 3D lamellae (C6)



TBS165 recessed luminaire with OLC high-gloss aluminum optics with 3D lamellae (C6)



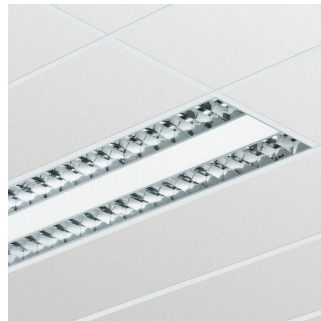
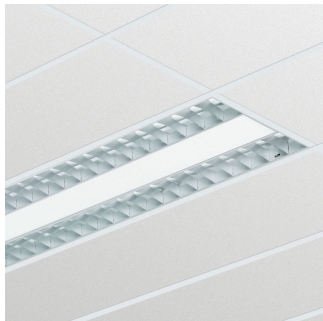
TBS165 recessed luminaire with matt optic with ribbed cross-louvers (M2)



TBS165 recessed luminaire with matt optic with ribbed cross-louvers (M2)

# TBS165

## Versions



TBS165 recessed luminaire with OLC high-gloss aluminum optics with 3D lamellae (C6)

### Approval and Application

Mech. impact protection code	IK02
Ingress protection code	IP20

### Operating and Electrical

Input Voltage	220 to 240 V
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### General Information

CE mark	CE mark
Protection class IEC	Safety class I (I)
Country version	NO
Flammability mark	F
Gear	HF Standard
Glow-wire test	850/5
Kombipack	Lamp(s) included
Lamp family code	TL5

### General Information

Order Code	Full Product Name	Lamp power	Number of light sources	Optic type
88800900	TBS165 G 4xTL5-14W/840 HFS M2 PIP SC	14 W	4	M2
88803000	TBS165 G 4xTL5-14W/830 HFS M2 PIP SC	14 W	4	M2
88801600	TBS165 G 4xTL5-14W/840 HFS C3 PIP SC	14 W	4	C3
88804700	TBS165 G 4xTL5-14W/830 HFS C3 PIP SC	14 W	4	C3
88802300	TBS165 G 4xTL5-14W/840 HFS C6 PIP SC	14 W	4	C6
88805400	TBS165 G 4xTL5-14W/830 HFS C6 PIP SC	14 W	4	C6
88808500	TBS165 G 3xTL5-14W/840 HFS C6 PIP SC	14 W	3	C6
88811500	TBS165 G 3xTL5-14W/830 HFS C6 PIP SC	14 W	3	C6
88809200	TBS165 G 3xTL5-14W/830 HFS M2 PIP SC	14 W	3	M2
88812200	TBS165 G 2xTL5-28W/840 HFS M2 PIP SC	28 W	2	M2
88813900	TBS165 G 2xTL5-28W/840 HFS C3 PIP SC	28 W	2	C3
88814600	TBS165 G 2xTL5-28W/840 HFS C6 PIP SC	28 W	2	C6
88817700	TBS165 G 2xTL5-28W/830 HFS C6 PIP SC	28 W	2	C6

