



# SmartForm TCS461/471 – top- class lighting in a fresh, appealing design

## SmartForm TCS461/471

We all feel and perform better in a pleasant, comfortable working environment. Designed for use in offices, shops and schools, the SmartForm TCS461/471 family of surface-mounted luminaires combines best-in-class lighting with a clean, distinctive design. These ultra-flat luminaires are available with MASTER TL5 and TL5 ECO lamps in rectangular and square versions with direct/indirect lighting combinations. They can also be used to form light-lines and structures. With its wide choice of very efficient and comfortable micro-optics and covers, SmartForm TCS461/471 provides the ideal solution for every situation. Lighting controls can be added for further energy saving.

### Benefits

- Top-class lighting performance meets all project requirements
- Fresh-looking design
- Energy-efficient

### Features

- Very slim housing – only 47 mm deep
- State-of-the-art lamps
- High-efficiency optics and covers
- Possibility to add lighting controls

# SmartForm TCS461/471

## Application

- Offices
- Shops
- Schools

## Specifications

<b>Type</b>	TCS461 (light surface) TCS471 (light surface, Dynamic Lighting)	<b>Optical cover</b>	3, 4-lamp version: - OLC micro lens optic cover of acrylate material (AC-MLO) - OLC micro lens optic cover of polycarbonate material (PC-MLO) - Diffuser, standard MLO's have diffuser (DF)
<b>Light source</b>	Fluorescent: - TCS461: 4 x MASTER TL5 ECO / G5 / 13, 20 W (square version) - TCS461: 4 x MASTER TL5 / G5 / 14, 24 W (square version) - TCS471: 6 x MASTER TL5 / G5 / 14, 24 W (square version) - TCS461: 2 x MASTER TL5 ECO / G5 / 25, 32, 45, 50, 73 W (rectangular version) - TCS461: 2 x MASTER TL5 / G5 / 28, 35, 49, 54, 80 W (rectangular version) - TCS471: 3 x MASTER TL5 / G5 / 28, 35, 49, 54, 80 W (rectangular version)	<b>Connection</b>	Push-in connection with pull relief (PIP) Cable, length 200 cm, with plug CEE7 (CCE)
<b>Lamp included</b>	TCS461: Yes, TL5 ECO (lamp color 830 or 840) TCS461: Yes, TL5 (lamp color 451 (ActiViva Natural), 452 (ActiViva Active), 827, 830 or 840) TCS471: Yes (lamp color combination 827/865, 827/451 or 827/452) No	<b>Options</b>	Emergency lighting: 1 hour (EL1), 3 hours (EL3) Lighting controls: - Luxsense daylight controller micro (LXM) - ActiLume multi controller (ACL) - ActiLume multi controller wireless (AWL) Color Variation Controller (CVC) Internal PVC free wiring (PVCFR) Euro fuse (FU) included
<b>Ballast</b>	Electronic, 220 - 240 V / 50 - 60 Hz: - High Frequency Performer (HFP) - High Frequency Performer, intelligent, multi-watt (HFP-I) - High Frequency Regulator, 1-10 V (HFR) - High Frequency Regulator, DALI (HFD) - High Frequency Regulator DALI, touch & dimming (HFD-T)	<b>Materials and color</b>	Housing of powder coated steel, end-caps of PC-ABS White RAL 9016 based is standard; optional white RAL 9010 or silver grey RAL 9006 based
<b>Housing configuration (for line arrangements)</b>	Line end, 1 phase (LE1), for ending a line Line feature, 1 phase (LF1), for insertion in a line	<b>Installation</b>	2- and 3- lamp (with bracket) and 4- and 6- lamp luminaires to screw direct into the ceiling 2- and 3- lamp light lines straight to create with ZCS461 CP coupling pieces; luminaires line-end (LE) and line-feature (LF) are including connection and through-wiring
		<b>Remarks</b>	Protection foil to protect the optic during installation
		<b>Main applications</b>	Office, education, healthcare, recreation, retail, industry

## Accessories

Ordercode 910403205603



