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

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

Accessories

Ordercode 98469599

SmartForm TCS461/471