



SmartForm – top-class lighting in a fresh, appealing design

SmartForm TCS460

We all feel and perform better in a pleasant, comfortable working environment. Designed for use in offices, shops and schools, the SmartForm family of surface-mounted luminaires combines best-in-class lighting with a clean, distinctive design. These ultra-flat luminaires are available with a choice of MASTER TL5, TL5 ECO or LED light sources 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 surface-mounted 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 TCS460

Application

- Offices
- Shops
- Schools

Specifications

Type	TCS460 (light beam, light effect cover)
Light source	Fluorescent: - 3 x or 4 x MASTER TL5 ECO / G5 / 13, 20 W (square version) - 3 x or 4 x MASTER TL5 / G5 / 14, 24 W (square version) - 1 x or 2 x MASTER TL5 ECO / G5 / 25, 32, 45, 50, 73 W (rectangular version) - 1 x or 2 x MASTER TL5 / G5 / 28, 35, 49, 54, 80 W (rectangular version)
Lamp included	Yes, TL5 ECO (lamp color 830 or 840) Yes, TL5 (lamp color 827/865, 830 or 840) No
Ballast	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)

Specifications

Optical cover	1, 2-lamp version: - OLC micro-lens optic in polycarbonate cover (MLO-PC) - Opal cover made of polycarbonate (PCO) 3, 4-lamp version: - OLC micro-lens optic made of acrylic with very-high-reflectance top reflector (T-VH AC-MLO) - OLC micro-lens optic made of polycarbonate with very-high-reflectance top reflector (T-VH PC-MLO) - Opal satinized cover made of polycarbonate with very-high-reflectance top reflector (T-VH PCO-SAT)
Connection	Push-in connection with pull relief (PIP) Cable, length 200 cm, with plug CEE7 (CCE)
Options	Emergency lighting: 1 hour (EL1), 3 hours (EL3) Lighting controls: - Luxsense daylight controller micro (LXM) - ActiLume multi controller (ACL) Internal PVC free wiring (PVCFR) Euro fuse (FU) included

Housing configuration	Line end, 1 phase (LE1), for ending a line
(for line arrangements)	Line feature, 1 phase (LF1), for insertion in a line
Optic	1, 2, 3, 4-lamp version: - Micro OLC performer high-gloss optic (C8) - Micro OLC performer semi-high-gloss optic (D8) - Micro OLC very high efficiency high-gloss optic (C8-VH) - Micro OLC very high efficiency semi-high-gloss optic (D8-VH) - Micro OLC excellent comfort high-gloss optic (C8-C) - Micro OLC excellent comfort semi-high-gloss optic (D8-C) - Micro matt mirror, ribbed cross louvers (M2) - Micro high-efficiency mirror, ribbed cross louvers (M2-H) 1, 2-lamp version: - Micro OLC performer semi-high-gloss bi-directional optic with top reflector (T D8-BD) - Micro high-efficiency asymmetrical optic (A)

Materials and color	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
Installation	1- and 2- lamp luminaires to click into pre-screwed ceiling brackets (included) 3- lamp (with bracket) and 4- lamp luminaires to screw direct into the ceiling 1-, 2- and 3- lamp light lines, straight and L-shape to create with ZCS460 CP/CPL coupling pieces; luminaires line-end (LE) and line-feature (LF) are including connection and through-wiring
Remarks	Protection foil to protect the optic during installation
Main applications	Office, education, healthcare, recreation, retail, industry

SmartForm TCS460

Accessories

Ordercode 910403205603

