PHILIPS

Lighting



SmartForm – the new standard for office lighting with slender recessed luminaires

SmartForm TBS417

Reflecting Philips' drive for simplicity and sustainability, SmartForm recessed is a complete family of highly versatile modular and semi-modular luminaires. These luminaires are available with a choice of LED or MASTER TL5 light sources in very small, slender versions. Designed to fit in a wide range of ceiling types, this complete family can fulfill the majority of project requirements in most applications.Energy efficiencyAs well as incorporating energy-efficient light sources and electronic ballasts, the SmartForm recessed family can be equipped with lighting controls. These include solutions for presence detection and daylight regulation (ActiLume) or daylight regulation only (Luxsense), thereby further reducing energy consumption (W/m² is very low). In this way, this Green Flagship range lowers overall cost of ownership as well as CO2 levels, making SmartForm an environmentally friendly choice.SmartForm recessed TBS417 – 'light line beam'Slender SmartForm recessed continuous light-line luminaires are designed for integration in linear exposed T-bar and plaster ceilings.'Light line beam' TBS417 1-lampContinuous light line for micro-optics, asymmetrical optic and rimless MLO and Opal covers. All versions TL5: 14/24 W; 21/39 W; 28/54 W; 35/49/80 W. Luminaire width is 90 mm.'Light line beam' TBS417 2-lampsContinuous light line for mini-optics, 2-lamps. All versions TL5: 14/24 W; 21/39 W; 28/54 W; 35/49/80 W. Luminaire width is 115 mm.

SmartForm TBS417

Benefits

- Slender, recessed 'light beam' luminaires with micro- or mini-optics for unobtrusive ceiling integration
- Complete family of linear luminaires designed to fit a wide range of ceiling types
- Available with either 1 or 2 TL5 lamps for excellent, energy-efficient office lighting solutions

Features

- Choice of LED or MASTER TL5 light sources
- Micro- or mini-optics
- Electronic ballast
- Can be equipped with lighting controls for presence detection and daylight regulation (ActiLume) or daylight regulation only (Luxsense)

Application

- Offices
- Education
- Healthcare
- Recreation
- Retail
- Industry

Specifications

Type	TBS417 (semi-modular light beam, continuous line)
Ceiling grid	Exposed- T-bar ceiling and plaster (board) ceilings
Light source	Fluorescent:
	- 1 x or 2 x MASTER TL5 ECO / G5 / 13, 20, 25, 32, 45, 50, 73 W
	- 1 x or 2 x MASTER TL5 / G5 / 14, 21, 24, 28, 35, 39, 49, 54, 80 W
Lamp included	Yes, TL5 ECO (lamp color 830 or 840)
	Yes, TL5 (lamp color 827, 830 or 840)
	In certain versions no lamps are included
Gear	Electronic, 220-240 V / 50-60 Hz:
	- High Frequency Performer (HFP)
	- High Frequency Performer, intelligent, multi-watt (HFPI)
	- High Frequency Regulator, DALI (HFD)
	- High Frequency Regulator, 1-10 V (HFR)
	- High Frequency Regulator, touch-DALI (HFD-T)

Optic	1-lamp version:
	- Micro OLC very high efficiency high-gloss optic (C8-VH)
	- Micro OLC very high efficiency high-gloss optic with top-reflector (T C8-VH)
	- Micro OLC performer high-gloss optic (C8)
	- Micro OLC excellent comfort high-gloss optic (C8-C)
	- Micro OLC very high efficiency semi-high-gloss optic (D8-VH)
	- Micro OLC very high efficiency semi-high-gloss optic with top-reflector (T D8-VH)
	- Micro OLC performer semi-high-gloss optic (D8)
	- 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)
	- Micro high efficiency asymmetrical optic (A)
	2-lamp version:
	- Mini OLC performer high-gloss optic (C6)
	- Mini OLC very high efficiency high-gloss optic (C6-VH)
	- Mini OLC performer semi-high-gloss optic (D6)
	- Mini OLC very high efficiency semi-high-gloss optic (D6-VH)
Optical cover (1-lamp version)	Opal cover (O)
	OLC Micro Lens Optic in PC cover (MLO-PC)

Specifications

SmartForm TBS417

Connection (outside housing)	Push-in connector (PI) or with pull relief (PIP)
	Wieland connector GST 18, 3 or 4 poles (W, W4 respectively)
	Wago connector, 3 or 4 poles (WA, WA4 respectively)
	Ensto connector, 3 or 4 poles (EN, EN4 respectively)
	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)
	Through wiring, 1 phase, 3 wires (TRW1)
	Through wiring, 3 phase, 5 wires (TRW3)
	Internal PVC free wiring (PVCFR)
	Euro fuse (FU) included
	Safety cable (SC)

Materials and finishing	Housing: zinc-coated steel, white RAL 9016 based
	Optional white RAL 9010 or silver grey RAL 9006 based
	Rim detailing: linear rim, width 12 mm, height 5 mm, pre-lacquered
Accessories	Set of end plates for 1-lamp version: ZBS417 EP-S SET (SI and RAL9010)
	Set of end plates for 2-lamp version: ZBS417 EP-T SET (SI and RAL9010)
	Set of end plates for asymmetric version: ZBS417 EP-A SET (SI and RAL9010)
	Exposed ceilings: lay-in, no brackets needed
	Plaster ceilings: bracket ZBS460 SMB-PLC (12 pcs)
Remarks	Protection foil to protect the optic during installation
Main applications	Office, education, healthcare, recreation, retail, industry

Accessories



Optical cover remover

Ordercode 910403205603

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