

SmartForm TBS417

TBS417 1x49W/840 HFP MLO-PC W

SmartForm recessed semi-modular, 1, 49 W, 840 neutral white, HF Performer, Micro-lens optic in polycarbonate cover, Plug-in connector 3-pole Wieland/Adels compatible

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. As 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. Slender SmartForm recessed continuous light-line luminaires are designed for integration in linear exposed T-bar and plaster ceilings. Continuous 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. Continuous 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.

Product data

General Information		Product family code	TBS417 [SmartForm recessed semi-modular]
Lamp family code	TL5 [TL5]	Lighting Technology	Fluorescent
Cap-Base	G5 [G5]	Embedded control	-
Gear	HFP [HF Performer]	CE mark	Yes
Feed-through wiring	-	Flammability mark	For mounting on normally flammable surfaces

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ENEC mark	ENEC mark
Glow-wire test	Temperature 850 °C, duration 5 s

Light Technical

Luminous Flux	4,900 lm
Luminous Efficacy (rated) (Nom)	100 lm/W
Number of light sources	1
Light source color	840 neutral white
Optic type	-
Optical cover type	Micro-lens optic in polycarbonate cover

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Power Consumption	49 W
Connection	Plug-in connector 3-pole Wieland/Adels compatible
Cable	-

Temperature

Ambient temperature range	+10 to +40 °C
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Mechanical and Housing

Housing Material	Steel
Reflector material	-
Optic material	-
Optical cover material	Polycarbonate
Fixation material	-
Housing Color	White

Overall length	1,508 mm
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Approval and Application

Ingress protection code	IP40 [Wire-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Protection class IEC	Safety class I

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Power consumption tolerance	+/-10%

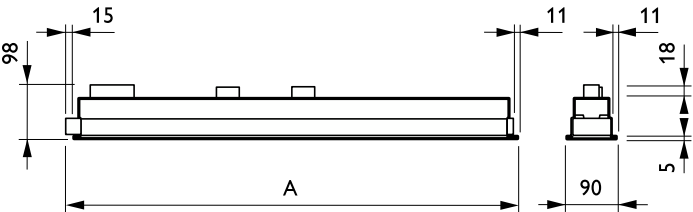
Application Conditions

Maximum dim level	1%
Suitable for random switching	No

Product Data

Order product name	TBS417 1x49W/840 HFP MLO-PC W
Full product name	TBS417 1x49W/840 HFP MLO-PC W
Full product code	871794398818100
Order code	910501903003
Material Nr. (12NC)	910501903003
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8717943988181
Numerator - Packs per outer box	1
EAN/UPC - Case	8717943988181

Dimensional drawing



Product	A
TBS417 1x49W/840 HFP MLO-PC W	1,508 mm

