TRILUX
SIMPLIFY YOUR LIGHT.

## Product features and key data

Applications	offices|banks|foyers|sales rooms|ticket halls|exhibition rooms|educational rooms
Luminaire type	Square recessed LED luminaire with microprismatic cover PW.
Mounting method	Lay-in
Luminaire optic	The optical system consists of a highly efficient PMMA cover with microprisms. PW (prismatic wide).
Connected load	36 W
Power factor	0,95
Colour temperature	4.000 K
Rated luminous flux	4.200 lm
Luminous efficacy	116 lm/W
Interchangeability lightsource	Yes - interchangeable
Service life	L80 (25 °C) = 100.000 h L90 (25 °C) = 50.000 h
Colour rendering index	90
Colour tolerance	3 SDCM
Photobiological class	Group 0 - no risk
Luminaire colour	RAL9016 Traffic white
Luminaire body	Luminaire body of extruded aluminium profile.
Electrical version	With external operating device, digitally dimmable (DALI).
DALI-2-Standard EN 62386	Yes
Connection method	Plug-in terminal
Touch-Dim-capable	Yes
Dimming range	1 - 100 %
Monitoring Ready	On request
Mains frequency	50/60 Hz
Mains voltage	220 - 240 V
Total harmonic distortion < %	14 %
Ingress Protection (IP) rating	IP20
Protection rating on room side	IP40
Protection class	II
Impact resistance (IK)	IK03
Hot wire resistance	650 °C
Ambient temperature	25 °C
Max. Luminaires B10	18
Max. Luminaires B16	28
Max. Luminaires C10	28
Max. Luminaires C16	40
Net length	621 mm
Net width	621 mm
Net height	22 mm
Recess length	621 mm
Recess width	621 mm
Recess depth	160 mm
Weight	3,5 kg

light distribution curve
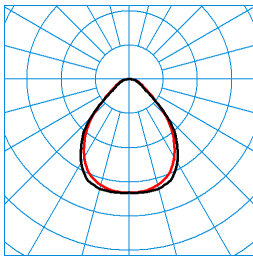
ArimoFit M84 PW19 42-940
TX149992

UGR I = 17,5
UGR q = 17,6
DIN 5040: A50
UTE: 1,00 C
CEN Flux Code: 64 89 97 100 100 0 0 0 0
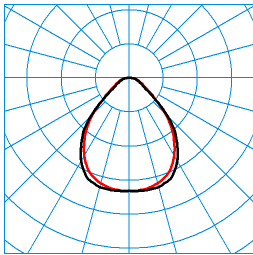
■ C0 - C180
■ C90 - C270

ArimoFit M84 PW19 42-940 + ArimoF M84 ZER
TX150127

UGR I = 17,5
UGR q = 17,6
DIN 5040: A50
UTE: 1,00 C
CEN Flux Code: 64 89 97 100 100 0 0 0 0

■ C0 - C180
■ C90 - C270

Available accessories

	Material	Description
	ArimoFit M84 ZER 7574000	Recessing frame for plasterboard ceiling openings ArimoF M84... .
	ArimoFit M84-TV ZER 7650300	Recessing frame for recessing M73 lay-in luminaires in M84 ceilings with concealed grids.
	ArimoFit Kit EB3 round 7714550	Emergency light system for ceiling recessing with an emergency light operation time of 3 hours.
	ArimoFit Kit EB3 square 7714650	Emergency light system for ceiling recessing with an emergency light operation time of 3 hours.

Offer text

Square recessed LED luminaire with microprismatic cover PW. Version M84 (625 mm x 625 mm). Optionally, the luminaire can be equipped with an emergency light system for ceiling recessing with an emergency light operation time of 3 hours. In emergency light operation, the luminaire luminous flux is 575 lm. Generation of an enhanced depth effect in the room. For system ceilings with exposed grids. .. Also suitable for plasterboard ceiling openings with use of recessing accessories. Installation in cut apertures via mounting accessory requires a ceiling material thickness of 18 mm - 40 mm. The Sky frame, optionally available as an accessory, creates a room-atmospheric depth effect in the classic, flat modular ceiling; the 3-dimensional contour of a skylight is reproduced. The optical system consists of a highly efficient PMMA cover with microprisms. PW (prismatic wide). The microstructured PMMA prism surface of the optical system has a glare-reducing effect, is non-yellowing and does not cloud. With narrow-wide light distribution. Glare evaluation according to UGR rating (EN 12464-1) < 19. Suitable for VDU workstations according to EN 12464-1 via limited luminance L ≤ 3000 cd/ ^{2} for beam angle above 65° all-round. Harmonious light effect due to homogeneously illuminated light emission. Individual design of the light emission surface (e.g. with printing) and other special solutions are possible on request. connected load 36,00 W, connected load 36,00 W, luminous efficiency of luminaire 116 lm/W. Light colour neutral white, correlated colour temperature (CCT) 4000 K, general colour rendering index (CRI) R $_a$ > 90. Colour locus tolerance (initial MacAdam) ≤ 3 SDCM, Mean rated service life L80(t $_q$ 25 °C) = 100,000 h, mean rated service life L90(t $_q$ 25 °C) = 50,000 h. The light source is replaceable according to the ecodesign requirements (VO (EU) 2019/2020). Luminaire body of extruded aluminium profile. Surface coated white, (RAL 9016). The narrow side profile is flush with the trunking. The luminaire frame is profiled in a 3-dimensional way to generate a depth effect on the ceiling. Luminaire can be covered with insulatin material at ta 25°C, ta35 °C without insulation materila can be also be used. Safety class (EN 61140): II, protection rating (DIN EN 60529): IP20, Protection rating on room side: IP40, impact resistance level in accordance with IEC 62262: IK03, testing temperature of wire glow test in accordance with IEC 60695-2-11: 650 °C. Weight: 3,5 kg. Polarity-protected rapid connection with mains through-wiring up to Ø 2.5 mm ^{2} . Connection of the ballast unit to the luminaire (Plug 'N Play). The luminaire's packaging concept facilitates separate removal of the control gear unit for pre-assembly, leaving the remaining luminaire components protected until final assembly. With external operating device, digitally dimmable (DALI). Control gear unit according to DALI-2 standard (EN 62386). Luminaire is switchable and dimmable by means of touch functionality via DALI control terminals (Touch DIM). The control gear unit is replaceable in accordance with the ecodesign requirements (VO (EU) 2019/2020). Control gear unit is open-circuit proof and protected against faulty connection, short circuit, overload and overtemperature. Output ripple of the control gear unit ≤ 4 % for effective control of the LED system and for flicker-free light. The luminaire can be equipped with the Monitoring Ready (MOR) functionality on request. The luminaire complies with the fundamental requirements of applicable EU regulations and product safety legislation and bears the CE symbol. The luminaire is also ENEC-certified by an independent testing authority. The luminaire is part of a range of recessed, surface-mounted and suspended luminaires with a harmonised appearance. The application variety of the product series is underlined by variants regarding luminous flux packages, light distribution curves and protection ratings. On request, the basic range can be expanded with project-specific luminaire features.

EPREL ID

E: 85401109

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