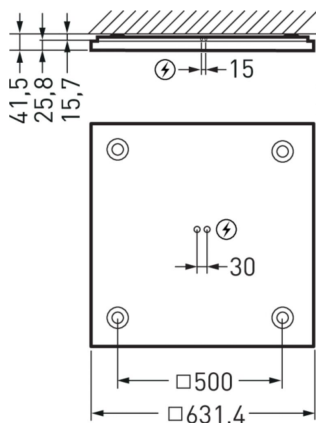
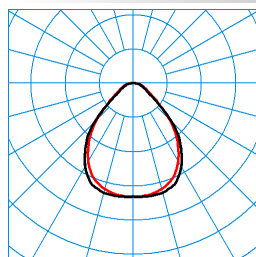




Product features and key data

Applications	offices banks foyers sales rooms ticket halls exhibition rooms educational rooms
Luminaire type	Square surface-mounted LED luminaire with microprismatic cover PW19-X.
Mounting method	Surface-mounting Suspension
Luminaire optic	The optical system consists of a highly efficient PMMA cover with microprisms.
Connected load	31 W
Power factor	0,95
Colour temperature	4.000 K
Rated luminous flux	4.200 lm
Luminous efficacy	135 lm/W
Interchangeability lightsource	Yes - interchangeable
Service life	L80 (25 °C) = 100.000 h L90 (25 °C) = 50.000 h
Colour rendering index	80
Colour tolerance	3 SDCM
Photobiological class	Group 0 - no risk
Luminaire colour	RAL9016 Traffic white
Luminaire body	The surface-mounted luminaire consists of an installation body with connection unit, rapid plug connection and the control gear as well as a plug-on luminaire unit with LED-system, cover, rapid plug connection and frame.
Electrical version	With electronic transformer, 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 of lamp compartment	IP40
Protection class	I
Impact resistance (IK)	IK03
Hot wire resistance	650 °C
Ambient temperature	25 °C
Max. Luminaires B10	12
Max. Luminaires B16	20
Max. Luminaires C10	20
Max. Luminaires C16	34
Net length	632 mm
Net width	632 mm
Net height	42 mm
Weight	7,4 kg

light distribution curve

ArimoFit D PW19-X 42-840 01/01
TX122468

 C0 - C180
 C90 - C270

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

Available accessories

Material	Description
 ZAA/01 4601700	Ceiling rose, round. Colour white.
 ZAA/03 4601800	Ceiling rose, round. Colour silver-grey.
 ZAE/01 515 4691700	Ceiling rose, angular, white.
 ZAE/03 515 4691800	Ceiling rose for connection of the 5-pole mains cable in case of ceiling outlets. Square, silver-grey.
 ZAR/01 7002300	Ceiling rose, square, white.
 ZAR/03 7002400	Ceiling rose, square, silver grey.

Offer text

Square surface-mounted LED luminaire with microprismatic cover PW19-X. Unique light effect due to an inner luminous gap and wide-area light emission. Inner light gap can be individually designed according to customer requirements. For installation on ceilings, walls and overhangs indoors. The optical system consists of a highly efficient PMMA cover with microprisms. 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 $L \leq 3000 \text{ cd/m}^2$ 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. Luminaire luminous flux 4200 lm, connected load 31,00 W, luminous efficiency of luminaire 135 lm/W. Light colour neutral white, correlated colour temperature (CCT) 4000 K, general colour rendering index (CRI) $R_a > 80$. Colour locus tolerance (initial MacAdam) ≤ 3 SDCM, Mean rated service life $L_{80}(t_{90} 25^\circ\text{C}) = 100,000 \text{ h}$, mean rated service life $L_{90}(t_{90} 25^\circ\text{C}) = 50,000 \text{ h}$. The light source is replaceable according to the ecodesign requirements (VO (EU) 2019/2020). The surface-mounted luminaire consists of an installation body with connection unit, rapid plug connection and the control gear as well as a plug-on luminaire unit with LED-system, cover, rapid plug connection and frame. Frame of extruded aluminium profile, colour white. Installation body of sheet steel, colour white. (RAL 9016). Dimensions (L x W): 632 mm x 632 mm, height 42 mm. The frame is profiled in a 3-dimensional way. The undercut generates a shadow gap and reduces the perceived overall height. Safety class (EN 61140): I, protection rating (DIN EN 60529): IP20, 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: 7,4 kg. 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 electronic transformer, 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. 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 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.

Application note

In the case of wall installation, the closing springs must be aligned horizontally.

EPREL ID

D:	85401105
D:	85401107
E:	LEDM+Kk ArimoF EA300-840-M84s L60W1 L
E:	LEDM+Kk ArimoF EA300-840-M84s L60W1 R