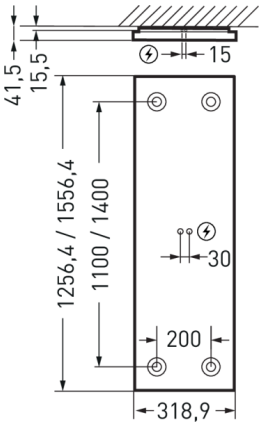
Projektant	Kontroloval	Zodp. projektant	Amun Pro s.r.o. 739 53 Třanovice 1 michal@amunpro.cz,mob.: +420 728 463 908
Ing. Martin Štefek	Ing. Martin Štefek	Ing. Michal Klimša	
Investor	Nemocnice s poliklinikou Havířov, příspěvková organizace, Dělnická 1132/24, Město, 73601 Havířov		
Místo stavby	parc. č.2230/1, k.ú. Havířov - Město	Formát	297x210
Akce	Nemocnice s poliklinikou Havířov, p.o. Rehabilitace	Datum	02/2021
		Účel	DSP, DPS
		Č. zakázky	11.09/20
Část	B.1 Výpočet osvětlení	Měřítko	1:100
Obsah výkresu	DATOVÉ LISTY SVÍTIDEL	Číslo paré	Č. výkresu B.1–102

TRILUX
SIMPLIFY YOUR LIGHT.

ArimoFit D2 PW19 42-840 ET 01/01

TOC: 7539540

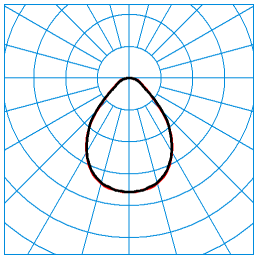


Product features and key data

Luminaire type	Rectangular surface-mounted LED ceiling luminaire with microprismatic cover. PW.
Mounting method	Surface-mounting|Suspension
Luminaire optic	The optical system consists of a highly efficient PMMA cover with microprisms.
Connected load	31 W
Colour temperature	4.000 K
Rated luminous flux	4.200 lm
Luminous efficacy	135 lm/W
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 1 - 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. The frame is profiled in a 3-dimen
Electrical version	With electronic transformer, switchable.
Connection method	Terminal
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)	IK02
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	1.257 mm
Net width	320 mm
Net height	42 mm
Weight	7,7 kg

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

light distribution curve



ArimoF D2 PW19 42-840 01/01
TX122479

C0 - C180
C90 - C270

UGR I = 18.0
UGR q = 18.0
DIN 5040: A50
UTE: 1,00 C
CEN Flux Code: 65 89 97 100 100 0 0 0 0

Available accessories

	Material	Description
	ZAA/01 4601700	Ceiling rose, round, white.
	ZAA/03 4601800	Ceiling rose, round, silver grey.
	ZAE/01 515 4691700	Ceiling rose, angular, white.
	ZAE/03 515 4691800	Ceiling rose, angular, silver grey.
	ZAR/01 7002300	Ceiling rose, angular, white.
	ZAR/03 7002400	Ceiling rose, angular, silver grey.
	ArimoFit D / Creavo D ZST 315/2000 7640500	Wire suspension for suspension lengths to: 2000 mm.

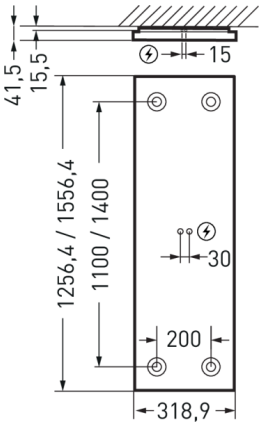
Offer text

Rectangular surface-mounted LED ceiling luminaire with microprismatic cover. PW. For mounting to ceilings 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 (EN 12464-1) according to UGR < 19. Suitable for VDU workstations according to EN 12464-1 via limited luminance L ≤ 3000 cd/m² 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, Colour locus tolerance (initial MacAdam) ≤ 3 SDCM, general colour rendering index (CRI) R_a > 80. 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 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. The frame is profiled in a 3-dimensional way. The undercut generates a shadow gap and reduces the perceived overall height. Frame of extruded aluminium profile, colour white. Installation body of sheet steel, colour white. (RAL 9016). Dimensions (L x W): 1257 mm x 320 mm, luminaire height 42 mm. Safety class (EN 61140): I, protection rating (DIN EN 60529): IP20, impact resistance level in accordance with IEC 62262: IK02, testing temperature of wire glow test in accordance with IEC 60695-2-11: 650 °C. 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, switchable. Control gear unit is open-circuit proof and protected against faulty connection, short circuit, overload and overtemperature. The control gear is replaceable. The luminaire complies with 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.

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

ArimoFit D3 PW19 53-840 ET 01/01

TOC: 7539640

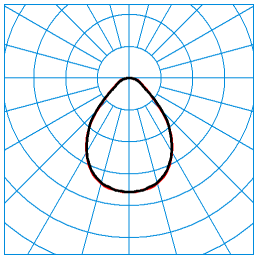


Product features and key data

Luminaire type	Rectangular surface-mounted LED ceiling luminaire with microprismatic cover. PW.
Mounting method	Surface-mounting|Suspension
Luminaire optic	The optical system consists of a highly efficient PMMA cover with microprisms.
Connected load	42 W
Colour temperature	4.000 K
Rated luminous flux	5.300 lm
Luminous efficacy	126 lm/W
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 1 - 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. The frame is profiled in a 3-dimen
Electrical version	With electronic transformer, switchable.
Connection method	Terminal
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)	IK02
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	1.557 mm
Net width	320 mm
Net height	42 mm
Weight	9,5 kg

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

light distribution curve



ArimoF D3 PW19 53-840 01/01
TX122498

C0 - C180
C90 - C270

UGR I = 18.1
UGR q = 18.0
DIN 5040: A50
UTE: 1,00 C
CEN Flux Code: 65 89 97 100 100 0 0 0 0

Available accessories

	Material	Description
	ZAA/01 4601700	Ceiling rose, round, white.
	ZAA/03 4601800	Ceiling rose, round, silver grey.
	ZAE/01 515 4691700	Ceiling rose, angular, white.
	ZAE/03 515 4691800	Ceiling rose, angular, silver grey.
	ZAR/01 7002300	Ceiling rose, angular, white.
	ZAR/03 7002400	Ceiling rose, angular, silver grey.
	ArimoFit D / Creavo D ZST 315/2000 7640500	Wire suspension for suspension lengths to: 2000 mm.

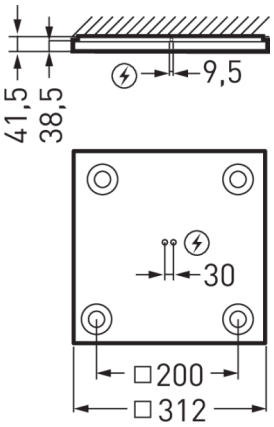
Offer text

Rectangular surface-mounted LED ceiling luminaire with microprismatic cover. PW. For mounting to ceilings 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 (EN 12464-1) according to UGR < 19. Suitable for VDU workstations according to EN 12464-1 via limited luminance L ≤ 3000 cd/m² 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 5300 lm, connected load 42,00 W, luminous efficiency of luminaire 126 lm/W. Light colour neutral white, correlated colour temperature (CCT) 4000 K, Colour locus tolerance (initial MacAdam) ≤ 3 SDCM, general colour rendering index (CRI) R_a > 80. 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 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. The frame is profiled in a 3-dimensional way. The undercut generates a shadow gap and reduces the perceived overall height. Frame of extruded aluminium profile, colour white. Installation body of sheet steel, colour white. (RAL 9016). Dimensions (L x W): 1557 mm x 320 mm, luminaire height 42 mm. Safety class (EN 61140): I, protection rating (DIN EN 60529): IP20, impact resistance level in accordance with IEC 62262: IK02, testing temperature of wire glow test in accordance with IEC 60695-2-11: 650 °C. 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, switchable. Control gear unit is open-circuit proof and protected against faulty connection, short circuit, overload and overtemperature. The control gear is replaceable. The luminaire complies with 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.

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

ArimoFit D1 PW 20-840 ET 01/01

TOC: 7547040

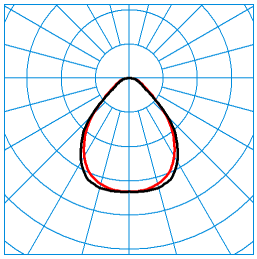


Product features and key data

Luminaire type	Square surface-mounted LED ceiling luminaire with microprismatic cover. PW.
Mounting method	Surface-mounting|Suspension
Luminaire optic	The optical system consists of a highly efficient PMMA cover with microprisms.
Connected load	19 W
Colour temperature	4.000 K
Rated luminous flux	2.100 lm
Luminous efficacy	110 lm/W
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 1 - 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. The frame is profiled in a 3-dimen
Electrical version	With electronic transformer, switchable.
Connection method	Terminal
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)	IK02
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	294 mm
Net width	294 mm
Net height	42 mm
Weight	2,0 kg

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

light distribution curve



ArimoF D0 PW 20-840 01/01
TX122438

C0 - C180
C90 - C270

UGR I = 21.3
UGR q = 21.3
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, white.
	ZAA/03 4601800	Ceiling rose, round, silver grey.
	ZAE/01 515 4691700	Ceiling rose, angular, white.
	ZAE/03 515 4691800	Ceiling rose, angular, silver grey.
	ZAR/01 7002300	Ceiling rose, angular, white.
	ZAR/03 7002400	Ceiling rose, angular, silver grey.
	ArimoFit D / Creavo D ZST 315/2000 7640500	Wire suspension for suspension lengths to: 2000 mm.

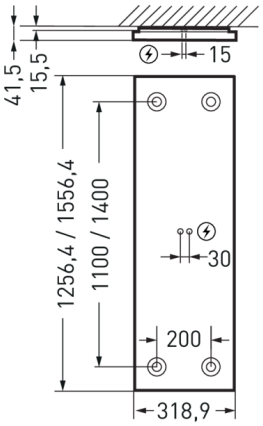
Offer text

Square surface-mounted LED ceiling luminaire with microprismatic cover. PW. For mounting to ceilings 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. 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 2100 lm, connected load 19,00 W, luminous efficiency of luminaire 110 lm/W. Light colour neutral white, correlated colour temperature (CCT) 4000 K, Colour locus tolerance (initial MacAdam) ≤ 3 SDCM, general colour rendering index (CRI) R_a > 80. 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 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. The frame is profiled in a 3-dimensional way. The undercut generates a shadow gap and reduces the perceived overall height. Frame of extruded aluminium profile, colour white. Installation body of sheet steel, colour white. (RAL 9016). Dimensions (L x W): 294 mm x 294 mm, luminaire height 42 mm. Safety class (EN 61140): I, protection rating (DIN EN 60529): IP20, impact resistance level in accordance with IEC 62262: IK02, testing temperature of wire glow test in accordance with IEC 60695-2-11: 650 °C. 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, switchable. Control gear unit is open-circuit proof and protected against faulty connection, short circuit, overload and overtemperature. The control gear is replaceable. The luminaire complies with 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.

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

ArimoFit D2 PW19 42-940 ETDD 01/01

TOC: 7548151

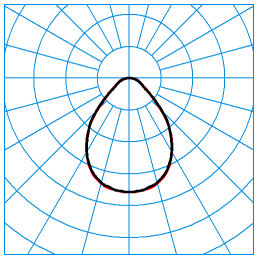


Product features and key data

Luminaire type	Rectangular surface-mounted LED ceiling luminaire with microprismatic cover. PW.
Mounting method	Surface-mounting|Suspension
Luminaire optic	The optical system consists of a highly efficient PMMA cover with microprisms.
Connected load	37 W
Colour temperature	4.000 K
Rated luminous flux	4.200 lm
Luminous efficacy	113 lm/W
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 1 - 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. The frame is profiled in a 3-dimen
Electrical version	With electronic transformer, digitally dimmable (DALI).
Connection method	Terminal
Dimming range	1 - 100 %
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)	IK02
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	1.257 mm
Net width	320 mm
Net height	42 mm
Weight	7,7 kg

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

light distribution curve



ArimoF D2 PW19 42-940 01/01
TX122482

C0 - C180
C90 - C270

UGR I = 18.0
UGR q = 18.0
DIN 5040: A50
UTE: 1,00 C
CEN Flux Code: 65 89 97 100 100 0 0 0 0

Available accessories

	Material	Description
	ZAA/01 4601700	Ceiling rose, round, white.
	ZAA/03 4601800	Ceiling rose, round, silver grey.
	ZAE/01 515 4691700	Ceiling rose, angular, white.
	ZAE/03 515 4691800	Ceiling rose, angular, silver grey.
	ZAR/01 7002300	Ceiling rose, angular, white.
	ZAR/03 7002400	Ceiling rose, angular, silver grey.
	ArimoFit D / Creavo D ZST 515/2000 7634500	Wire suspension for suspension lengths to: 2000 mm.

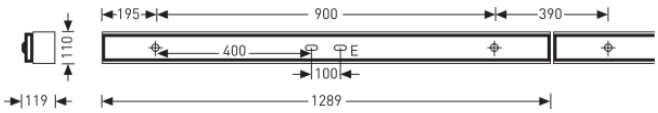
Offer text

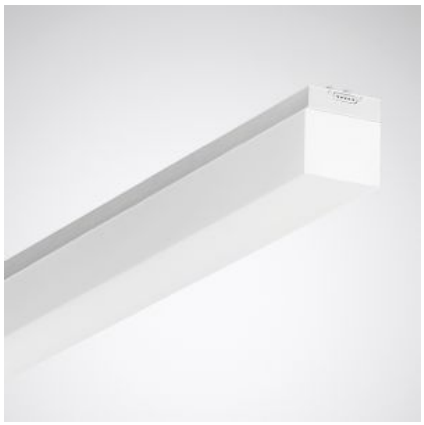
Rectangular surface-mounted LED ceiling luminaire with microprismatic cover. PW. For mounting to ceilings and overhangs indoors. The optical system consists of a highly efficient PMMA cover with microprisms. The microstructured PMMA prism surface of the optical system has a glare-reducing effect, is non-yellowing and does not cloud. With narrow-wide light distribution. Glare evaluation (EN 12464-1) according to UGR < 19. Suitable for VDU workstations according to EN 12464-1 via limited luminance L ≤ 3000 cd/m² 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 37,00 W, luminous efficiency of luminaire 113 lm/W. Light colour neutral white, correlated colour temperature (CCT) 4000 K, Colour locus tolerance (initial MacAdam) ≤ 3 SDCM, general colour rendering index (CRI) R_a > 90. 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 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. The frame is profiled in a 3-dimensional way. The undercut generates a shadow gap and reduces the perceived overall height. Frame of extruded aluminium profile, colour white. Installation body of sheet steel, colour white. (RAL 9016). Dimensions (L x W): 1257 mm x 320 mm, luminaire height 42 mm. Safety class (EN 61140): I, protection rating (DIN EN 60529): IP20, impact resistance level in accordance with IEC 62262: IK02, testing temperature of wire glow test in accordance with IEC 60695-2-11: 650 °C. 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 is open-circuit proof and protected against faulty connection, short circuit, overload and overtemperature. The control gear is replaceable. The Touch-DIM function enables switching and dimming of the luminaire by means of a push-button via the DALI conductor pair. The luminaire complies with 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.

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

7131 O 1200 LED3000-840 ET

TOC: 6690540

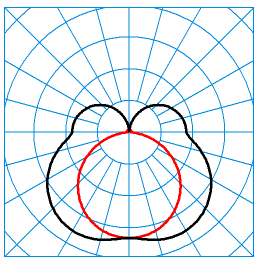




Product features and key data

Applications	Damp environments|canopied outdoor areas
Luminaire type	Surface-mounted weather-proof luminaire with PMMA diffuser.
Mounting method	Surface-mounting
Luminaire optic	Opal PMMA diffuser manufactured from one piece, with especially high corner strength.
Connected load	25 W
Colour temperature	4.000 K
Rated luminous flux	3.200 lm
Luminous efficacy	128 lm/W
Service life	L80 (30 °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	Luminaire body of glass-fibre reinforced polyester, low flammability..
Electrical version	With electronic transformer, switchable.
Connection method	Terminal
Mains frequency	50/60 Hz
Mains voltage	230 - 240 V
Total harmonic distortion < %	14 %
Ingress Protection (IP) rating	IP54
Protection rating on room side	IP54
Protection class	I
Impact resistance (IK)	IK02
Hot wire resistance	650 °C
Ambient temperature	-20 - 30 °C
Net length	1.289 mm
Net width	110 mm
Net height	119 mm
Weight	4,3 kg

light distribution curve



7131 O 1200 LED3000-840
TX048728

C0 - C180
C90 - C270

UGR I = 17.7
UGR q = 20.8
DIN 5040: B31
UTE: 0,73 H + 0,27 T
CEN Flux Code: 35 64 86 73 100 13 38 68 27

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

Available accessories

	Material	Description
	75N Steel Strip Suspension 1267600	Steel strip suspension V2A, length 1 m.
	7130/3LV/36 Through Wiring Set 1246200	Through-wiring, 3 x 1.5 mm², for luminaires ⋯/36, 1,450 mm.
	7130/5LV/36 Through Wiring Set 1246400	Through-wiring, 5 x 1.5 mm², for luminaires ⋯/36, 1,450 mm.
	Diffuser 7131/36 packed 2859700	Replacement diffuser for 7131/36
	ZAL/Shrink tube 6361200	Shrink tube set for halogen-free connection cables.

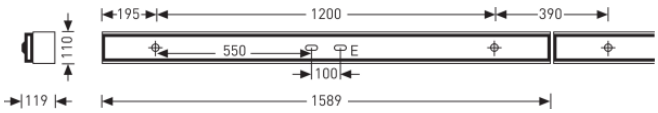
Offer text

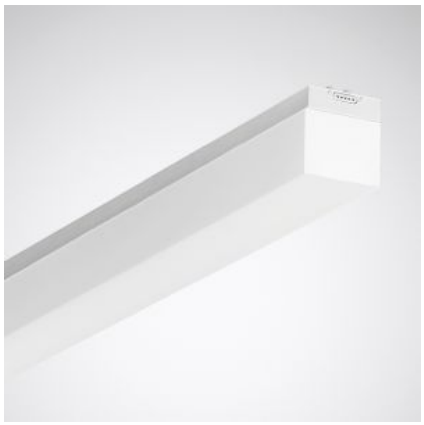
Surface-mounted weather-proof luminaire with PMMA diffuser. With LED system. The luminaire is unsuitable for corrosive atmospheres (e.g. swimming pools, intensive animal husbandry, tunnels). Luminaire with limited surface temperature in accordance with DIN EN 60598-2-24, suitable for use in work locations exposed to fire hazards. For wall or ceiling mounting. Precise alignment of luminaires with continuous line mounting via interlocking cams and recesses in the front ends. Opal PMMA diffuser manufactured from one piece, with especially high corner strength. Glare evaluation (EN 12464-1) according to UGR < 25. Luminaire luminous flux 3200 lm, connected load 25,00 W, luminous efficiency of luminaire 128 lm/W. Light colour neutral white, correlated colour temperature (CCT) 4000 K, general colour rendering index (CRI) R_a > 80. Mean rated service life L_{80} (t_q 30 °C) = 50,000 h. Luminaire body of glass-fibre reinforced polyester, low flammability.. Colour white, (RAL 9016). Dimensions (L x W): 1289 mm x 110 mm, luminaire height 119 mm. With self-sealing cable entries at front ends for through-wiring within the luminaire. Permissible ambient temperature (ta): -20 °C - +30 °C. Safety class (EN 61140): I, protection rating (DIN EN 60529): IP54, impact resistance level in accordance with IEC 62262: IK02, testing temperature of wire glow test in accordance with IEC 60695-2-11: 650 °C. With electronic transformer, switchable. The luminaire complies with fundamental requirements of applicable EU regulations and product safety legislation and bears the CE symbol.

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

7131 O 1500 LED4000-840 ET

TOC: 6690940

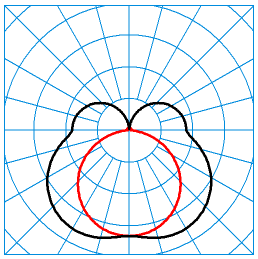




Product features and key data

Applications	Damp environments|canopied outdoor areas
Luminaire type	Surface-mounted weather-proof luminaire with PMMA diffuser.
Mounting method	Surface-mounting
Luminaire optic	Opal PMMA diffuser manufactured from one piece, with especially high corner strength.
Connected load	31 W
Colour temperature	4.000 K
Rated luminous flux	4.000 lm
Luminous efficacy	129 lm/W
Service life	L80 (30 °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	Luminaire body of glass-fibre reinforced polyester, low flammability..
Electrical version	With electronic transformer, switchable.
Connection method	Terminal
Mains frequency	50/60 Hz
Mains voltage	230 - 240 V
Total harmonic distortion < %	14 %
Ingress Protection (IP) rating	IP54
Protection rating on room side	IP54
Protection class	I
Impact resistance (IK)	IK02
Hot wire resistance	650 °C
Ambient temperature	-20 - 30 °C
Net length	1.589 mm
Net width	110 mm
Net height	119 mm
Weight	5,4 kg

light distribution curve



7131 O 1500 LED4000-840
TX048730

C0 - C180
C90 - C270

UGR I = 17.8
UGR q = 20.9
DIN 5040: B31
UTE: 0,73 H + 0,27 T
CEN Flux Code: 35 64 86 73 100 13 38 68 27

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

Available accessories

	Material	Description
	75N Steel Strip Suspension 1267600	Steel strip suspension V2A, length 1 m.
	7130/3LV/58 Through Wiring Set 1246300	Through-wiring, 3 x 1.5 mm², for luminaires ⋯/58, 1,790 mm.
	7130/5LV/58 Through Wiring Set 1246500	Through-wiring, 5 x 1.5 mm², for luminaires ⋯/58, 1,790 mm.
	Diffuser 7131/58 packed 2859800	Replacement diffuser for 7131/58
	ZAL/Shrink tube 6361200	Shrink tube set for halogen-free connection cables.

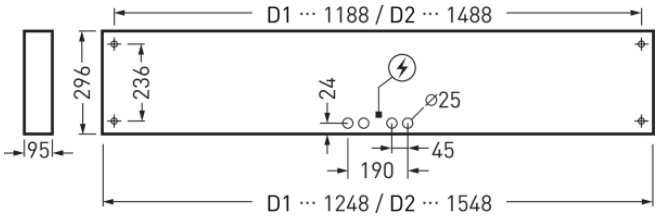
Offer text

Surface-mounted weather-proof luminaire with PMMA diffuser. With LED system. The luminaire is unsuitable for corrosive atmospheres (e.g. swimming pools, intensive animal husbandry, tunnels). Luminaire with limited surface temperature in accordance with DIN EN 60598-2-24, suitable for use in work locations exposed to fire hazards. For wall or ceiling mounting. Precise alignment of luminaires with continuous line mounting via interlocking cams and recesses in the front ends. Opal PMMA diffuser manufactured from one piece, with especially high corner strength. Glare evaluation (EN 12464-1) according to UGR < 25. Luminaire luminous flux 4000 lm, connected load 31,00 W, luminous efficiency of luminaire 129 lm/W. Light colour neutral white, correlated colour temperature (CCT) 4000 K, general colour rendering index (CRI) R_a > 80. Mean rated service life L_{80} (t_q 30 °C) = 50,000 h. Luminaire body of glass-fibre reinforced polyester, low flammability.. Colour white, (RAL 9016). Dimensions (L x W): 1589 mm x 110 mm, luminaire height 119 mm. With self-sealing cable entries at front ends for through-wiring within the luminaire. Permissible ambient temperature (ta): -20 °C - +30 °C. Safety class (EN 61140): I, protection rating (DIN EN 60529): IP54, impact resistance level in accordance with IEC 62262: IK02, testing temperature of wire glow test in accordance with IEC 60695-2-11: 650 °C. With electronic transformer, switchable. The luminaire complies with fundamental requirements of applicable EU regulations and product safety legislation and bears the CE symbol.

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

FidescaPM G3 D1 PW19 69-940 ETDD

TOC: 7679751

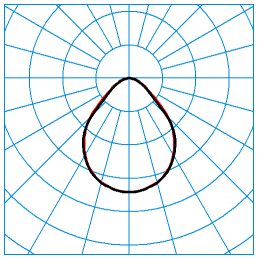


Product features and key data

Luminaire type	Surface-mounted LED cleanroom luminaire for applications with high demands on hygiene and operational safety.
Light sources	LED modules and control gear form one assembly, which can be replaced without dismantling the luminaire body. This assembly is replaceable and available as a spare part.
Mounting method	Surface-mounting
Luminaire optic	Luminaire cover made of highly resistant, frosted laminated safety glass with splinter bonding.
Connected load	63 W
Colour temperature	4.000 K
Rated luminous flux	6.900 lm
Luminous efficacy	109 lm/W
Service life	L80 (25 °C) = 70.000 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 sheet steel, powder-coated white
Electrical version	With electronic transformer, digitally dimmable (DALI).
Dimming range	1 - 100 %
Mains frequency	0/50/60 Hz
Mains voltage	220 - 240 V
Ingress Protection (IP) rating	IP65
Protection rating on room side	IP65
Protection class	I
Impact resistance (IK)	IK08
Hot wire resistance	960 °C
Ambient temperature	40 °C
Max. Luminaires B10	13
Max. Luminaires B16	21
Max. Luminaires C10	22
Max. Luminaires C16	35
Net length	1.250 mm
Net width	296 mm
Net height	94 mm
Weight	11,7 kg

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

light distribution curve



FidescaPM G3 D1 PW19 69-940 ETDD
TX199994

C0 - C180
C90 - C270

UGR I = 18.8
UGR q = 18.7
DIN 5040: A50
UTE: 1,00 C
CEN Flux Code: 64 90 98 100 100 0 0 0 0

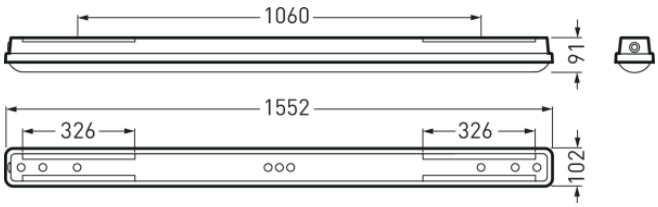
Offer text

Surface-mounted LED cleanroom luminaire for applications with high demands on hygiene and operational safety. For damp environments and cleanrooms in clinics, laboratories, healthcare and industrial areas. Certified cleanroom suitability of cleanliness classes DIN EN ISO 14644-1 - Class 1 according to Fraunhofer Institute. Compliant with classes A - D of the EC GMP Guide. The luminaires are suitable for applications in HACCP, IFS Version 6 and/or BRC Global Standard Food Version 7-certified companies in the food and beverage industries. Luminaire with limited surface temperature in accordance with DIN EN 60598-2-24, suitable for use in work locations exposed to fire hazards. Surface-mounted luminaire for ceiling mounting. In combination with a recessing frame (optional accessory), it can also be used as a recessed luminaire in plasterboard ceiling openings. Luminaire cover made of highly resistant, frosted laminated safety glass with splinter bonding. The laminated safety glass has been subjected to a heat soak test, the risk of spontaneous breakage can thus be virtually excluded. The surface inside the luminaire is finely structured to avoid uncontrolled reflections when using laser technology. Resistant to mild disinfectants and UV radiation. With symmetric wide light intensity distribution. Glare evaluation (EN 12464-1) according to UGR < 19. LED modules and control gear form one assembly, which can be replaced without dismantling the luminaire body. This assembly is replaceable and available as a spare part. Luminaire luminous flux 6900 lm, connected load 63,00 W, luminous efficiency of luminaire 109 lm/W. Light colour neutral white, correlated colour temperature (CCT) 4000 K, Colour locus tolerance (initial MacAdam) ≤ 3 SDCM corresponds to very high colour uniformity of the LEDs in application, general colour rendering index (CRI) R_a > 90. Mean rated service life L80(t_q 25 °C) = 70,000 h. Luminaire body of sheet steel, powder-coated white (RAL 9016). The smooth surface is easy to clean and highly resistant to damage from mechanical and chemical influences. Dimensions (L x W): 1250 mm x 296 mm, luminaire height 94 mm. Safety class (EN 61140): I, protection rating (DIN EN 60529): IP, Protection rating on room side: IP65, impact resistance level in accordance with IEC 62262: IK08, testing temperature of wire glow test in accordance with IEC 60695-2-11: . Permissible ambient temperature (ta): -20 °C - +40 °C. Cable glands enclosed (2 pcs.). With electronic transformer, digitally dimmable (DALI). The luminaire complies with fundamental requirements of applicable EU regulations and product safety legislation and bears the CE symbol.

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

OleveonF 15 B 4000-840 ET PC

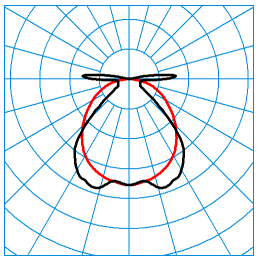
TOC: 7121840



Product features and key data

Applications	Damp environments|canopied outdoor areas
Luminaire type	LED weather-proof surface-mounted luminaire IP66.
Mounting method	Suspension|Surface-mounting
Luminaire optic	Polycarbonate diffuser with inner prism structure.
Connected load	28 W
Colour temperature	4.000 K
Rated luminous flux	3.900 lm
Luminous efficacy	139 lm/W
Service life	L80 (25 °C) = 50.000 h
Colour rendering index	80
Colour tolerance	3 SDCM
Photobiological class	Group 0 - no risk
Luminaire colour	RAL7035 Light grey
Luminaire body	Luminaire body of PC.
Electrical version	With electronic transformer, switchable.
Connection method	Terminal
Mains voltage	230 - 240 V
Total harmonic distortion < %	14 %
Ingress Protection (IP) rating	IP66
Protection rating on room side	IP66
Protection class	I
Impact resistance (IK)	IK08
Hot wire resistance	850 °C
Ambient temperature	-20 - 35 °C
Net length	1.552 mm
Net width	102 mm
Net height	91 mm
Weight	2,5 kg

light distribution curve



OleveonF B 1500 4000-840 PC
TX056190

C0 - C180
C90 - C270

UGR I = 22.8
UGR q = 18.2
DIN 5040: A40
UTE: 0,93 D + 0,07 T
CEN Flux Code: 56 85 95 93 100 0 0 11 7

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

Available accessories

Material	Description
ZBSB 6923200	Steel strip suspension, length 1 m, of stainless steel (1 pair).
ZBATL2 6923300	Theft protection (mandatory for wall mounting).
ZBMC 6923400	Bracket for suspended mounting.
OleveonF ZLV/525/15 7129800	Through-wiring, 5-core. Consists of 5 single cores 2.5 mm², heat resistance up to 105 °C.
Diffuser OleveonF 1.5 PC packed 7130100	Replacement diffuser for OleveonF 1.5 PC.
Diffuser OleveonF 1.5 PMMA packed 7130200	Replacement diffuser for Oleveon F 1.5 PMMA.
7650Fi OleveonF L150 01 7342800	Gear tray for E-Line Fix for integration of a weather-proof luminaire of type OleveonFit in a continuous line application. The clamps for tool-free quick mounting of the luminaire are mounted on the gear tray.
7650Fi OleveonF L150 03 7342900	Gear tray for E-Line Fix for integration of a weather-proof luminaire of type OleveonFit in a continuous line application. The clamps for tool-free quick mounting of the luminaire are mounted on the gear tray.
7650Fi OleveonF L150 05 7343000	Gear tray for E-Line Fix for integration of a weather-proof luminaire of type OleveonFit in a continuous line application. The clamps for tool-free quick mounting of the luminaire are mounted on the gear tray.
7750Fl OleveonF L150 01 7344900	
7750Fl OleveonF L150 03 7345000	
7750Fl OleveonF L150 05 7345100	
ZBWM 7425600	Pivotable mounting brackets for wall and ceiling installation of weather-proof LED luminaires

Offer text

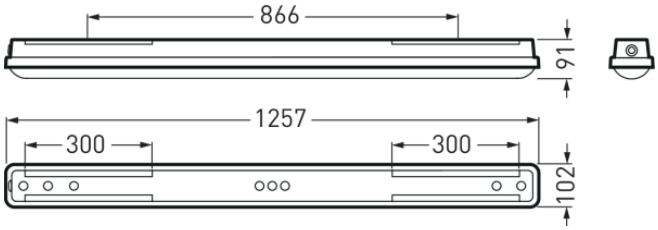
LED weather-proof surface-mounted luminaire IP66. Advantageous with applications requiring increased mechanical stability. Compliant to DIN 10500. The luminaires are suitable for applications in HACCP, IFS Version 6 and/or BRC Global Standard Food Version 7-certified companies in the food and beverage industries. Luminaire with limited surface temperature in accordance with DIN EN 60598-2-24, suitable for use in work locations exposed to fire hazards. With clipless catch technology for protection rating-compliant and simple assembly of diffuser cover and luminaire body after electrical connection. For ceiling, wall and suspended mounting. Ceiling mounting with stainless steel fixing clips (included). Suspended mounting possible via optional accessories. Polycarbonate diffuser with inner prism structure. With symmetric wide light intensity distribution. Glare evaluation (EN 12464-1) according to UGR < 25. Luminaire luminous flux 3900 lm, connected load 28,00 W, luminous efficiency of luminaire 139 lm/W. Light colour neutral white, correlated colour temperature (CCT) 4000 K, Colour locus tolerance (initial MacAdam) ≤ 3 SDCM, general colour rendering index (CRI) R_a > 80. Mean rated service life L80(t_q 25 °C) = 50,000 h. Luminaire body of PC. Colour of luminaire body light grey (RAL 7035). With clipless catch technology for protection rating-compliant and simple assembly of diffuser cover and luminaire body after electrical connection. Dimensions (L x W): 1552 mm x 102 mm, luminaire height 91 mm. Permissible ambient temperature (ta): -20 °C - +35 °C. Safety class (EN 61140): I, protection rating (DIN EN 60529): IP66, impact resistance level in accordance with IEC 62262: IK08, testing temperature of wire glow test in accordance with IEC 60695-2-11: 850 °C. With 3-pole terminal to 2.5 mm^2 . With electronic transformer, switchable. The luminaire complies with fundamental requirements of applicable EU regulations and product safety legislation and bears the CE symbol.

Accessories for the series:
For horizontal wall mounting of the luminaire it is mandatory to install the ZBATL accessory (theft protection). ZBATL2, TOC 69 23 300

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

OleveonF 12 B 4000-840 ET PC

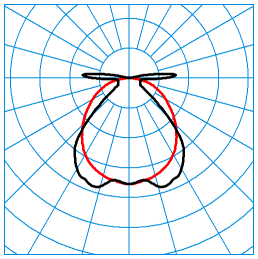
TOC: 7118240



Product features and key data

Applications	Damp environments|canopied outdoor areas
Luminaire type	LED weather-proof surface-mounted luminaire IP66.
Mounting method	Suspension|Surface-mounting
Luminaire optic	Polycarbonate diffuser with inner prism structure.
Connected load	28 W
Colour temperature	4.000 K
Rated luminous flux	3.900 lm
Luminous efficacy	139 lm/W
Service life	L80 (25 °C) = 50.000 h
Colour rendering index	80
Colour tolerance	3 SDCM
Photobiological class	Group 0 - no risk
Luminaire colour	RAL7035 Light grey
Luminaire body	Luminaire body of PC.
Electrical version	With electronic transformer, switchable.
Mains voltage	230 - 240 V
Total harmonic distortion < %	14 %
Ingress Protection (IP) rating	IP66
Protection rating on room side	IP66
Protection class	I
Impact resistance (IK)	IK08
Hot wire resistance	850 °C
Ambient temperature	-20 - 35 °C
Net length	1.257 mm
Net width	102 mm
Net height	91 mm
Weight	2,3 kg

light distribution curve



OleveonF B 1200 4000-840 PC
TX056174

C0 - C180
C90 - C270

UGR I = 23.5
UGR q = 18.9
DIN 5040: A40
UTE: 0,93 D + 0,07 T
CEN Flux Code: 56 85 95 93 100 0 0 11 7

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

Available accessories

Material	Description
ZBSB 6923200	Steel strip suspension, length 1 m, of stainless steel (1 pair).
ZBATL2 6923300	Theft protection (mandatory for wall mounting).
ZBMC 6923400	Bracket for suspended mounting.
OleveonF ZLV/525/12 7129700	Through-wiring, 5-core. Consists of 5 single cores 2.5 mm², heat resistance up to 105 °C.
Diffuser OleveonF 1.2 PC packed 7129900	Replacement diffuser for Oleveon F 1.2 PC.
Diffuser OleveonF 1.2 PMMA packed 7130000	Replacement diffuser for Oleveon F 1.2 PMMA.
7650Fi OleveonF L150 01 7342800	Gear tray for E-Line Fix for integration of a weather-proof luminaire of type OleveonFit in a continuous line application. The clamps for tool-free quick mounting of the luminaire are mounted on the gear tray.
7650Fi OleveonF L150 03 7342900	Gear tray for E-Line Fix for integration of a weather-proof luminaire of type OleveonFit in a continuous line application. The clamps for tool-free quick mounting of the luminaire are mounted on the gear tray.
7650Fi OleveonF L150 05 7343000	Gear tray for E-Line Fix for integration of a weather-proof luminaire of type OleveonFit in a continuous line application. The clamps for tool-free quick mounting of the luminaire are mounted on the gear tray.
7750Fl OleveonF L150 01 7344900	
7750Fl OleveonF L150 03 7345000	
7750Fl OleveonF L150 05 7345100	
ZBWM 7425600	Pivotable mounting brackets for wall and ceiling installation of weather-proof LED luminaires

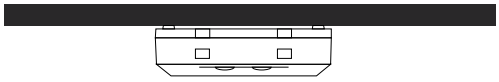
Offer text

LED weather-proof surface-mounted luminaire IP66. Advantageous with applications requiring increased mechanical stability. Compliant to DIN 10500. The luminaires are suitable for applications in HACCP, IFS Version 6 and/or BRC Global Standard Food Version 7-certified companies in the food and beverage industries. Luminaire with limited surface temperature in accordance with DIN EN 60598-2-24, suitable for use in work locations exposed to fire hazards. With clipless catch technology for protection rating-compliant and simple assembly of diffuser cover and luminaire body after electrical connection. For ceiling, wall and suspended mounting. Ceiling mounting with stainless steel fixing clips (included). Suspended mounting possible via optional accessories. Polycarbonate diffuser with inner prism structure. With symmetric wide light intensity distribution. Glare evaluation (EN 12464-1) according to UGR < 25. Luminaire luminous flux 3900 lm, connected load 28,00 W, luminous efficiency of luminaire 139 lm/W. Light colour neutral white, correlated colour temperature (CCT) 4000 K, Colour locus tolerance (initial MacAdam) ≤ 3 SDCM, general colour rendering index (CRI) R_a > 80. Mean rated service life L80(t_q 25 °C) = 50,000 h. Luminaire body of PC. Colour of luminaire body light grey (RAL 7035). With clipless catch technology for protection rating-compliant and simple assembly of diffuser cover and luminaire body after electrical connection. Dimensions (L x W): 1257 mm x 102 mm, luminaire height 91 mm. Permissible ambient temperature (ta): -20 °C - +35 °C. Safety class (EN 61140): I, protection rating (DIN EN 60529): IP66, impact resistance level in accordance with IEC 62262: IK08, testing temperature of wire glow test in accordance with IEC 60695-2-11: 850 °C. With 3-pole terminal to 2.5 mm^2 . With electronic transformer, switchable. The luminaire complies with fundamental requirements of applicable EU regulations and product safety legislation and bears the CE symbol.

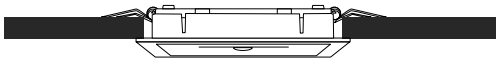
Accessories for the series:
For horizontal wall mounting of the luminaire it is mandatory to install the ZBATL accessory (theft protection). ZBATL2, TOC 69 23 300

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

Application	anti-panic lighting escape route lighting lighting of the final exit / fire-protection devices
Light source	LED
Testing for self-contained	non-addressable: ST – for button test non-addressable: AT – auto-test / self-test addressable: DATA – with addressable module for DATA system addressable: DATA 2 – with addressable module for DATA 2 system addressable: DALI – with addressable module for DALI systems
Testing for central battery	non-addressable: CB1 – without addressable module addressable : CB3 – with addressable module
Power supply	210÷250 V AC 50÷60 Hz 186÷254 V DC
Protection degree	IP20
Insulation class	II
Temeprature range	ST, AT, DATA, DATA 2, DALI: t_a +10°C ÷ +35°C CB1: t_a -15°C ÷ +55°C CB3: t_a -10°C ÷ +40°C
Glow wire test	850°C
Colour	☐ RAL 9003 ☐ RAL 7035 ■ RAL 9004
Material	housing: PC/ABS



» surface mounted

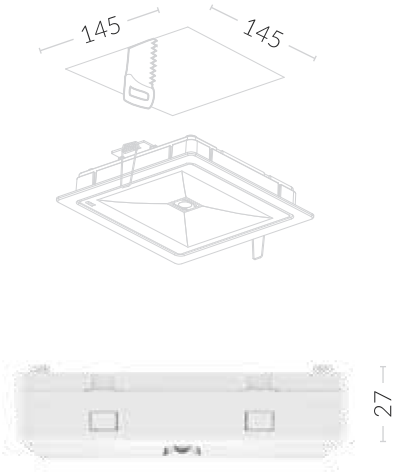


» TM-AKC.OR001

set for recessed mounting

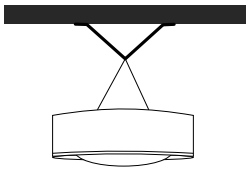
surface mounted | TM-AKC.OR001 set for recessed mounting | recessed installation

Dimensions [± 2 mm]

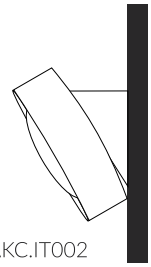


» TM-AKC.IT003
set for recessed mounting

» surface mounted



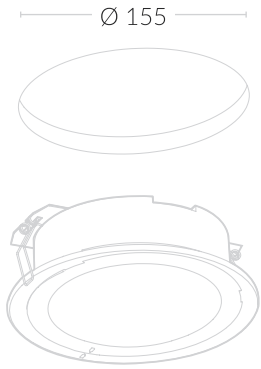
» TM-AKC.IT001
suspension bracket



» TM-AKC.IT002
mounting option with 30° bracket applied

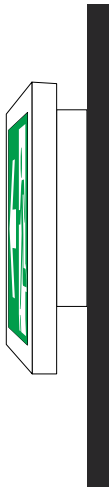
Application	anti-panic lighting escape route lighting
Light source	LED
Testing for self-contained	non-addressable: ST – for button test non-addressable: AT – auto-test / self-test addressable: DATA – with addressable module for DATA system addressable: DATA 2 – with addressable module for DATA 2 system addressable: DALI – with addressable module for DALI systems
Testing for central battery	non-addressable: CB1 – without addressable module addressable : CB3 – with addressable module
Power supply	210÷250 V AC 50÷60 Hz 186÷254 V DC
Protection degree	IP65
Insulation class	II
Temeprature range	ST, AT, DATA, DATA 2, DALI: t_a +10°C ÷ +40°C CB1: t_a -25°C ÷ +55°C CB3: t_a -15°C ÷ +40°C COLD: t_a -15°C ÷ +40°C
Glow wire test	850°C
Colour	☐ RAL 9003 ▩ RAL 7035 ■ RAL 9004
Material	housing: PC/ABS cover: PC transparent

Dimensions [± 2 mm]



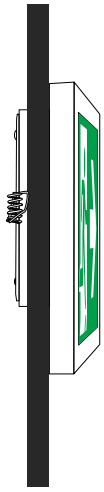
Application	evacuation road direction (evacuation sign)
Type	one-sided fitting
Light source	LED
Visibility	25 m
Testing for self-contained	non-addressable: ST – for button test non-addressable: AT – auto-test / self-test addressable: DATA – with addressable module for DATA system addressable: DATA 2 – with addressable module for DATA 2 system addressable: DALI – with addressable module for DALI systems
Testing for central battery	non-addressable: CB1 – without addressable module addressable : CB4 – with addressable module
Power supply	210÷250 V AC 50÷60 Hz 186÷254 V DC
Protection degree	IP20
Insulation class	II
Temeprature range	ST, AT, DATA, DATA 2, DALI: t_a +10°C ÷ +35°C CB1: t_a -15°C ÷ +55°C CB4: t_a -10°C ÷ +40°C
Glow wire test	850°C
Colour	☐ RAL 9003 ☐ RAL 7035 ■ RAL 9004
Material	housing: PC/ABS

» surface mounted

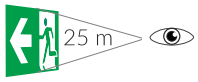


» TM-AKC.OE001

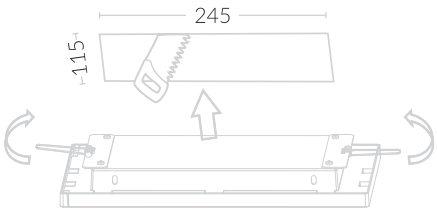
recessed installation



Pictograms in the set:



Dimensions [± 2 mm]



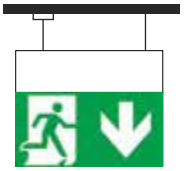
Application	evacuation road direction (evacuation sign)
Light source	LED
Visibility	25 m
Testing for self-contained	non-addressable: ST – for button test non-addressable: AT – auto-test / self-test addressable: DATA – with addressable module for DATA system addressable: DATA 2 – with addressable module for DATA 2 system addressable: DALI – with addressable module for DALI systems
Testing for central battery	non-addressable: CB1 – without addressable module addressable : CB2 – with addressable module
Power supply	210÷250 V AC 50÷60 Hz 186÷254 V DC
Protection degree	IP20
Insulation class	II
Temeprature range	ST, AT, DATA, DATA 2, DALI: t_a +10°C ÷ +35°C CB1: t_a -15°C ÷ +55°C CB2: t_a -10°C ÷ +40°C
Glow wire test	850°C
Colour	☐ RAL 9003 ☐ RAL 7035 ■ RAL 9004
Material	housing: PC/ABS

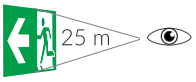
» celling installation

» recessed mounting TM-AKC.OG001

» wall installation

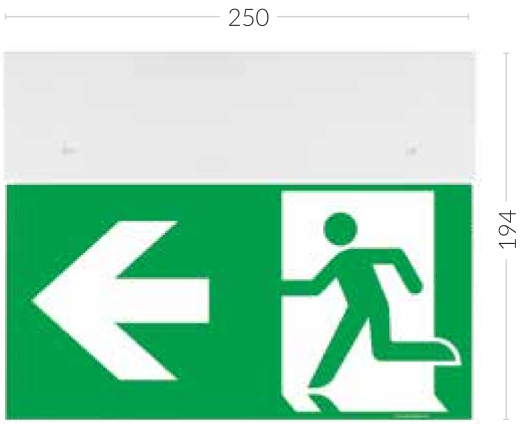
» suspension bracket TM-AKC.OG010 + MC.ZAW.OG.001

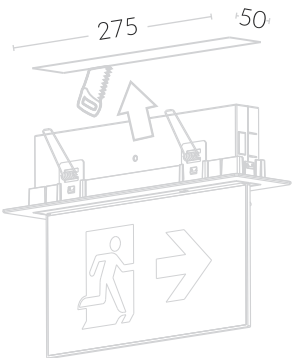




Pictograms in the set:

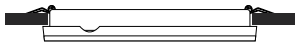
Dimensions [± 2 mm]



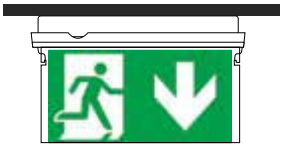


Application	anti-panic lighting escape route lighting evacuation road direction
Light source	LED
Testing for self-contained	non-addressable: ST – for button test non-addressable: AT – auto-test / self-test addressable: DATA – with addressable module for DATA system addressable: DATA 2 – with addressable module for DATA 2 system addressable: DALI – with addressable module for DALI systems
Testing for central battery	non-addressable: CB1 – without addressable module addressable : CB7 – with addressable module
Power supply	210÷250 V AC 50÷60 Hz 186÷254 V DC
Protection degree	IP65
Insulation class	II
Temeprature range	ST, AT, DATA, DATA 2, DALI: t_a +10°C ÷ +40°C CB1: t_a -25°C ÷ +55°C CB7: t_a -15°C ÷ +40°C COLD: t_a -15°C ÷ +40°C
Glow wire test	850°C
Colour	☐ RAL 9003 ☐ RAL 7035 ■ RAL 9004
Material	housing: PC/ABS cover: PC transparent

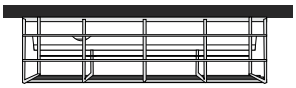
» surface mounted

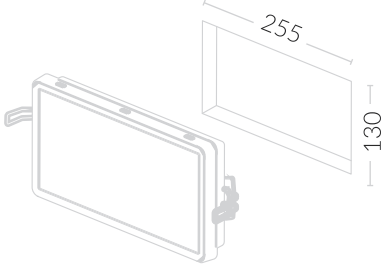


» TM-AKC.OS001
set for recessed mounting



» TM-AKC.OS002
diffuser



» TM-AKC.OS004
protective mesh

Dimensions [± 2 mm]