IN.

DUISA

Emergency Lighting and Signage

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Self-test System

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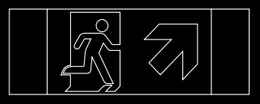
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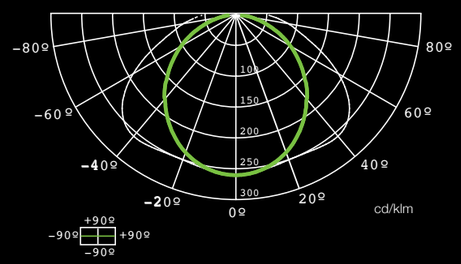
D-ecoLD

Surface

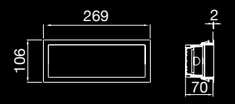
D-ecoLD

Photometric curve:

D-ecoLD

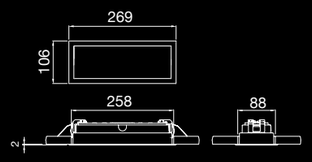


Flush wall mounting



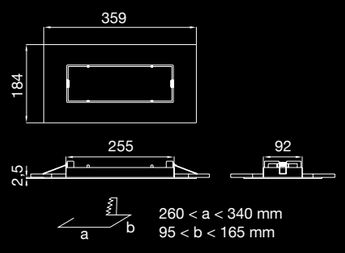
D-ecoLD + AEPB D-eco

Flush ceiling mounting



258 x 88mm

D-ecoLD + AETB D-eco



260 < a < 340 mm
95 < b < 165 mm

D-ecoLD + AETUB D-eco

Emergency Signs
230 x 75 mm

Check signs and their references in the Sign Annex.

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Notes:

(1) They incorporate a microprocessor for Self-test operation.

The “Non-maintained” models have remote control connection.

The “Maintained” models can be switched off mains on and the do NOT have remote control connection. If you add a T to the reference they will have remote control connection, but they will NOT be able to switched off mains on.

The “Maintained” models provide 100lm output mains on.

(2) Custom emergency signs shall be supplied upon order.

(3) They allow the flush installation in most openings used by other luminaires.

Degree of protection: **IP43 IK04**

D-ecoLD

Model	Duration (h)	Battery	Lumens	Lamp
Non-maintained:				
D-ecoLD 70	1h	NiCd	70	LED
D-ecoLD 90	1h	NiCd	100	LED
D-ecoLD 150	1h	NiCd	160	LED
D-ecoLD 220	1h	NiCd	220	LED
D-ecoLD 320	1h	NiCd	340	LED
D-ecoLD 50-1,5	1,5h	NiCd	50	LED
D-ecoLD 200-1,5	1,5h	NiCd	240	LED
D-ecoLD 45-2	2h	NiCd	50	LED
D-ecoLD 150-2	2h	NiCd	200	LED
D-ecoLD 50-3	3h	NiCd	50	LED
D-ecoLD 130-3	3h	NiCd	130	LED
Maintained:				
D-ecoLD P90	1h	NiCd	100	LED
D-ecoLD P240	1h	NiCd	240	LED
D-ecoLD P320	1h	NiCd	340	LED
D-ecoLD P50-1,5	1,5h	NiCd	50	LED
D-ecoLD P200-1,5	1,5h	NiCd	240	LED
D-ecoLD P45-2	2h	NiCd	50	LED
D-ecoLD P150-2	2h	NiCd	170	LED
D-ecoLD P50-3	3h	NiCd	50	LED
D-ecoLD P130-3	3h	NiCd	130	LED
Non-maintained Autotest: (1)				
D-ecoLD 80 A	1h	NiMh	90	LED
D-ecoLD 130 A	1h	NiMh	150	LED
D-ecoLD 200 A	1h	NiMh	200	LED
D-ecoLD 300 A	1h	NiMh	320	LED
D-ecoLD 350-1,5 A	1,5h	NiMh	350	LED
D-ecoLD 130-2 A	2h	NiMh	170	LED
D-ecoLD 130-3 A	3h	NiMh	130	LED
Maintained Autotest: (1)				
D-ecoLD P80 A	1h	NiMh	90	LED
D-ecoLD P220 A	1h	NiMh	220	LED
D-ecoLD P300 A	1h	NiMh	320	LED
D-ecoLD P350-1,5 A	1,5h	NiMh	350	LED
D-ecoLD P130-2 A	2h	NiMh	170	LED
D-ecoLD P130-3 A	3h	NiMh	130	LED

Luminaire Does not include battery. Luminaire specific function.

Model	Power supply	Lumens	Lamp
D-ecoLD L90	See finishes	90	LED
D-ecoLD L240	See finishes	240	LED
D-ecoLD L380	See finishes	380	LED

Finishes

Finish of	Description	Marking
Power supply (according to operation)		
Self-contained	Non-maintained and non-maintained Autotest 230V 50Hz 110-120V 60Hz	----- (110-120V)
	Maintained and Maintained Autotest 220-230V 50/60Hz 110-127V 50/60Hz	----- (110-127V)
Luminaires (Does not include battery)	110-240V 50/60Hz, 170-320V DC 24V 50/60Hz, 18-30V DC	----- (24V)

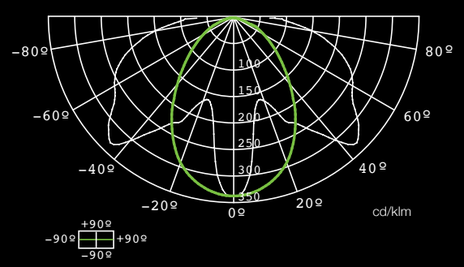
Accessories

Reference	Description	Colour
AEPB D-eco AEPGP D-eco	Wall flush mounting accessory	White Silver grey
AETB D-eco AETGP D-eco	Ceiling flush mounting accessory	White Silver grey
AETUB D-eco AETUGP D-eco	Accessory for flush mounting on ceiling for different opening measurements (3)	White Silver grey
50 TE	Remote control	Grey
SD...	Emergency signage (2)	Green

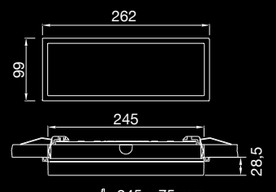
ecoLD

Surface

Photometric curve:

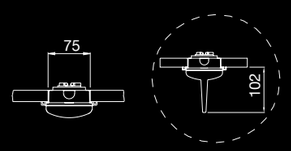


Recessed ceiling mounting



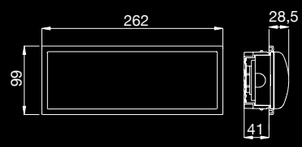
245 x 75 mm

ecoLD + ATB eco



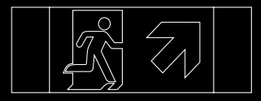
ecoLD + ATB eco + eco DBC + SD0110

Recessed wall mounting



ecoLD + APB eco

Emergency Signs
230 x 75 mm



Check signs and their references in the Sign Annex.

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Notes:

(1) They incorporate a microprocessor for Self-test operation.

The “Non-maintained” models have remote control connection.

The “Maintained” models can be switched off mains on and the do NOT have remote control connection. If you add a T to the reference they will have remote control connection, but they will NOT be able to switched off mains on.

The “Maintained” models provide 100lm output mains on.

(2) Custom emergency signs shall be supplied upon order.

(3) They allow the flush installation in most openings used by other luminaires.

Degree of protection: **IP43 IK04**

ecoLD

Model	Duration (h)	Battery	Lumens	Lamp
Non-maintained:				
ecoLD 70	1h	NiCd	70	LED
ecoLD 90	1h	NiCd	100	LED
ecoLD 150	1h	NiCd	160	LED
ecoLD 220	1h	NiCd	220	LED
ecoLD 320	1h	NiCd	340	LED
ecoLD 50-1,5	1,5h	NiCd	50	LED
ecoLD 200-1,5	1,5h	NiCd	240	LED
ecoLD 45-2	2h	NiCd	50	LED
ecoLD 150-2	2h	NiCd	200	LED
ecoLD 50-3	3h	NiCd	50	LED
ecoLD 130-3	3h	NiCd	130	LED
Maintained:				
ecoLD P90	1h	NiCd	100	LED
ecoLD P240	1h	NiCd	240	LED
ecoLD P320	1h	NiCd	340	LED
ecoLD P50-1,5	1,5h	NiCd	50	LED
ecoLD P200-1,5	1,5h	NiCd	240	LED
ecoLD P45-2	2h	NiCd	50	LED
ecoLD P150-2	2h	NiCd	170	LED
ecoLD P50-3	3h	NiCd	50	LED
ecoLD P130-3	3h	NiCd	130	LED
Non-maintained Autotest: (1)				
ecoLD 80 A	1h	NiMh	90	LED
ecoLD 130 A	1h	NiMh	150	LED
ecoLD 200 A	1h	NiMh	200	LED
ecoLD 300 A	1h	NiMh	320	LED
ecoLD 350-1,5 A	1,5h	NiMh	350	LED
ecoLD 130-2 A	2h	NiMh	170	LED
ecoLD 130-3 A	3h	NiMh	130	LED
Maintained Autotest: (1)				
ecoLD P80 A	1h	NiMh	90	LED
ecoLD P220 A	1h	NiMh	220	LED
ecoLD P300 A	1h	NiMh	320	LED
ecoLD P350-1,5 A	1,5h	NiMh	350	LED
ecoLD P130-2 A	2h	NiMh	170	LED
ecoLD P130-3 A	3h	NiMh	130	LED

Luminaire Does not include battery. Luminaire specific function.

Model	Power supply	Lumens	Lamp
ecoLD L90	See finishes	90	LED
ecoLD L240	See finishes	240	LED
ecoLD L380	See finishes	380	LED

Finishes

Finish of	Description	Marking
Power supply (according to operation)		
Self-contained	Non-maintained and non-maintained Autotest 230V 50Hz	-----
	110-120V 60Hz	(110-120V)
	Maintained and Maintained Autotest 220-230V 50/60Hz	-----
	110-127V 50/60Hz	(110-127V)
Luminaires (Does not include battery)	110-240V 50/60Hz, 170-320V DC	-----
	24V 50/60Hz, 18-30V DC	(24V)

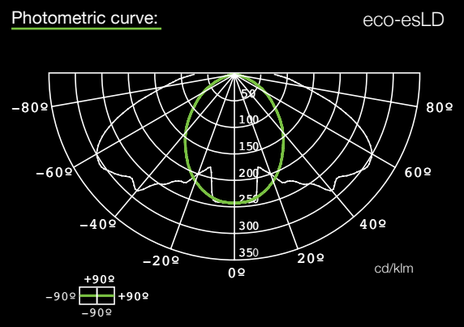
Accessories

Reference	Description	Colour
APB eco	Wall recessing accessory	White
APC eco		Chrome
APN eco		Nickel
APO eco		Gold
ATB eco	Ceiling recessing accessory	White
ATC eco		Chrome
ATN eco		Nickel
ATO eco		Gold
AETUB D-eco	Accessory for flush mounting on ceiling for different opening measurements (3)	White
AETUGP D-eco		Silver grey
50 TE	Remote control	Grey
SD...	Emergency signs (2)	Green

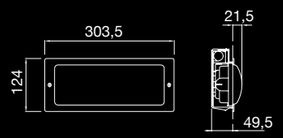
eco-esLD

Watertight

Photometric curve:

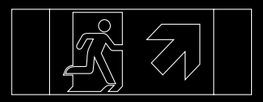


Watertight recessed mounting



eco-esLD + APES eco

Emergency Signs
230 x 75 mm



Check signs and their references in the Sign Annex.

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Notes:

(1) They incorporate a microprocessor for Self-test operation.

The “Non-maintained” models have remote control connection.

The “Maintained” models can be switched off mains on and the do NOT have remote control connection. If you add a T to the reference they will have remote control connection, but they will NOT be able to switched off mains on.

The “Maintained” models provide 100lm output mains on.

(2) Custom emergency signs shall be supplied upon order.

Degree of protection: IP43 IK04

eco-esLD

Model	Duration (h)	Battery	Lumens	Lamp
Non-maintained:				
eco-esLD 70	1h	NiCd	70	LED
eco-esLD 90	1h	NiCd	100	LED
eco-esLD 150	1h	NiCd	160	LED
eco-esLD 220	1h	NiCd	220	LED
eco-esLD 320	1h	NiCd	340	LED
eco-esLD 50-1,5	1,5h	NiCd	50	LED
eco-esLD 200-1,5	1,5h	NiCd	240	LED
eco-esLD 45-2	2h	NiCd	50	LED
eco-esLD 150-2	2h	NiCd	200	LED
eco-esLD 50-3	3h	NiCd	50	LED
eco-esLD 130-3	3h	NiCd	130	LED
Maintained:				
eco-esLD P90	1h	NiCd	100	LED
eco-esLD P240	1h	NiCd	240	LED
eco-esLD P320	1h	NiCd	340	LED
eco-esLD P50-1,5	1,5h	NiCd	50	LED
eco-esLD P200-1,5	1,5h	NiCd	240	LED
eco-esLD P45-2	2h	NiCd	50	LED
eco-esLD P150-2	2h	NiCd	170	LED
eco-esLD P50-3	3h	NiCd	50	LED
eco-esLD P130-3	3h	NiCd	130	LED
Non-maintained Autotest: (1)				
eco-esLD 80 A	1h	NiMh	90	LED
eco-esLD 130 A	1h	NiMh	150	LED
eco-esLD 200 A	1h	NiMh	200	LED
eco-esLD 300 A	1h	NiMh	320	LED
eco-esLD 350-1,5 A	1,5h	NiMh	350	LED
eco-esLD 130-2 A	2h	NiMh	170	LED
eco-esLD 130-3 A	3h	NiMh	130	LED
Maintained Autotest: (1)				
eco-esLD P80 A	1h	NiMh	90	LED
eco-esLD P220 A	1h	NiMh	220	LED
eco-esLD P300 A	1h	NiMh	320	LED
eco-esLD P350-1,5 A	1,5h	NiMh	350	LED
eco-esLD P130-2 A	2h	NiMh	170	LED
eco-esLD P130-3 A	3h	NiMh	130	LED

Luminaire	Does not include battery. Luminaire specific function.		
Model	**Power supply**	**Lumens**	**Lamp**
eco-esLD L90	See finishes	90	LED
eco-esLD L240	See finishes	240	LED
eco-esLD L380	See finishes	380	LED

Finishes

Finish of	Description	Marking
Power supply (according to operation)		
Self-contained	Non-maintained and non-maintained Autotest 230V 50Hz	-----
	110-120V 60Hz	(110-120V)
	Maintained and Maintained Autotest 220-230V 50/60Hz	-----
	110-127V 50/60Hz	(110-127V)
Luminaires (Does not include battery)	110-240V 50/60Hz, 170-320V DC	-----
	24V 50/60Hz, 18-30V DC	(24V)

Accessories

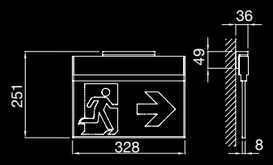
Reference	Description	Colour
APES eco	Wall recessing accessory	Inox
50 TE	Remote control	Gris
SD...	Emergency signs (2)	Verde

VDC3216

Ceiling mounting

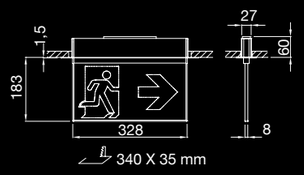
VDC3216 (B) + SD0210 + SD0211

Wall mounting



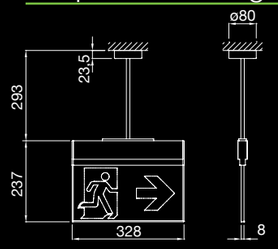
VDC3216 (B) + APB VDC + SD0210 + TCB3216

Recessed ceiling mounting



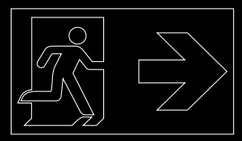
VDC3216 (B) + AMB32 + SD0210 + SD0211

Suspended ceiling mounting



VDC3216 (B) + ASB VDC + SD0211

Emergency Signs
320 x 160 mm



Check signs and their references in the Sign Annex.

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Notes:

(1) They incorporate a microprocessor for Self-test operation. The "Maintained Autotest" models provide 55 cd/m² output mains on.

(2) Complies with requirements of the Portuguese regulations (Regras Técnicas das Instalações Elétricas de Baixa Tensão 801.2.1.5.3.1.6). Minimum luminous flux 60 lm.

All VDC3216 models have two sides with light output and requiring the selection of two pictograms or opaque sheets if informing on only ine side is desired (see accessories).

The "Non-Maintained" models hace remote control connection. The "Maintained" models can be switched off mains on and the do NOT have remote control connection. If you add a T to the reference they will have remote control connection, but they will NOT be able to switched off mains on.

Degree of protection: **IP20 IK04**

VDC3216

Model	Duration (h)	Battery	Lamp
Non-maintained:			
VDC3216 N	1h	NiCd	LED
VDC3216 N60 (2)	1h	NiCd	LED
VDC3216 2N	2h	NiCd	LED
Maintained:			
VDC3216 P	1h	NiCd	LED
VDC3216 P60 (2)	1h	NiCd	LED
VDC3216 2P	2h	NiCd	LED
Non-maintained Autotest: (1) (2)			
VDC3216 N A	1h	$LiFePO_4$	LED
VDC3216 2N A	2h	$LiFePO_4$	LED
VDC3216 3N A	3h	$LiFePO_4$	LED
Maintained Autotest: (1) (2)			
VDC3216 P A	1h	$LiFePO_4$	LED
VDC3216 2P A	2h	$LiFePO_4$	LED
VDC3216 3P A	3h	$LiFePO_4$	LED

Luminaire	Does not include battery. Luminaire specific function.	
Model	**Power supply**	**Lamp**
VDC3216 L	See finishes	LED

Finishes

Finish of	Description	Marking
Colour	White	(B)
	Black	(N)
Power supply (according to operation)		
Self-contained	Non-maintained and non-maintained Autotest 230V 50Hz 110-120V 60Hz	----- (110-120V)
	Maintained and Maintained Autotest 220-230V 50/60Hz 110-127V 50/60Hz	----- (110-127V)
Luminaires (Does not include battery)	110-240V 50/60Hz, 170-320V DC 24V 50/60Hz, 18-30V DC	----- (24V)

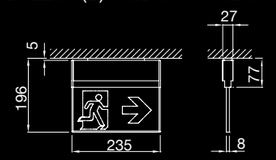
Accessories

Reference	Description	Colour
APB VDC APN VDC	Accessory for wall mounting	White Black
ASB VDC ASN VDC	Accessory for suspending on ceiling	White Black
AMB32 AMN32	Accessory for recessed mounting on ceiling	White Black
SD...	Easily replaceable emergency signs	Green
TCB3216 TCN3216	Opaque sheet	White Black
50 TE	Remote control	Grey

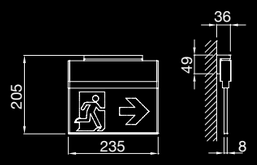
VDC2211

Ceiling mounting

VDC2211 (B) + SD0310 + SD0311

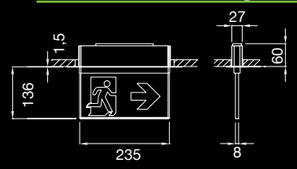


Wall mounting



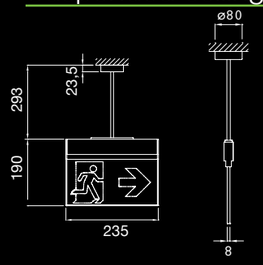
VDC211 (B) + APB VDC + SD0310 + TCB2211

Recessed ceiling mounting



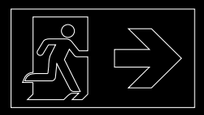
VDC2211 (B) + AMB22 + SD0310 + SD0310

Suspended ceiling mounting



VDC2211 (B) + ASB VDC + SD0310

Emergency signs
220 x 110 mm



Check signs and their references in the Sign Annex.

Page 27

Notes:

(1) They incorporate a microprocessor for Self-test operation. The "Maintained Autotest" models provide 55 cd/m² output mains on.

(2) Complies with requirements of the Portuguese regulations (Regras Técnicas das Instalações Elétricas de Baixa Tensão 801.2.1.5.3.1.6). Minimum luminous flux 60 lm.

All VDC2211 models have two sides with light output and requiring the selection of two pictograms or opaque sheets if informing on only ine side is desired (see accessories).

The "Non-Maintained" models hace remote control connection. The "Maintained" models can be switched off mains on and the do NOT have remote control connection. If you add a T to the reference they will have remote control connection, but they will NOT be able to switched off mains on.

Degree of protection: IP20 IK04

VDC2211

Model	Duration (h)	Battery	Lamp
Non-maintained:			
VDC2211 N	1h	NiCd	LED
VDC2211 N60 (2)	1h	NiCd	LED
VDC2211 2N	2h	NiCd	LED
Maintained:			
VDC2211 P	1h	NiCd	LED
VDC2211 P60 (2)	1h	NiCd	LED
VDC2211 2P	2h	NiCd	LED
Non-maintained Autotest: (1) (2)			
VDC2211 N A	1h	$LiFePO_4$	LED
VDC2211 2N A	2h	$LiFePO_4$	LED
VDC2211 3N A	3h	$LiFePO_4$	LED
Maintained Autotest: (1) (2)			
VDC2211 P A	1h	$LiFePO_4$	LED
VDC2211 2P A	2h	$LiFePO_4$	LED
VDC2211 3P A	3h	$LiFePO_4$	LED

Luminaire	Does not include battery. Luminaire specific function.	
Model	**Power supply**	**Lamp**
VDC2211 L	See finishes	LED

Finishes

Finish of	Description	Marking
Colour	White	(B)
	Black	(N)
Power supply (according to operation)		
Self-contained	Non-maintained and non-maintained Autotest 230V 50Hz 110-120V 60Hz	----- (110-120V)
	Maintained and Maintained Autotest 220-230V 50/60Hz 110-127V 50/60Hz	----- (110-127V)
Luminaires (Does not include battery)	110-240V 50/60Hz, 170-320V DC	-----
	24V 50/60Hz, 18-30V DC	(24V)

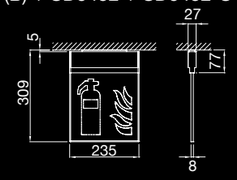
Accessories

Reference	Description	Colour
APB VDC	Accessory for wall mounting	White
APN VDC		Black
ASB VDC	Accessory for suspending on ceiling	White
ASN VDC		Black
AMB22	Accessory for recessed mounting on ceiling	White
AMN22		Black
SD...	Easily replaceable emergency signs	Green
TCB2211	Opaque sheet	White
TCN2211		Black
50 TE	Remote control	Grey

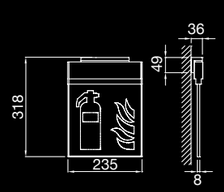
VDC2222

Ceiling mounting

VDC2222 (B) + SD0452 + SD0452-S

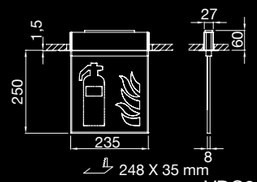


Wall mounting



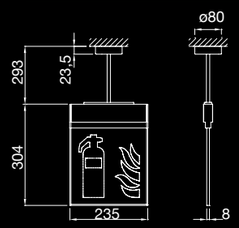
VDC2222 (B) + APB VDC + SD0452 + TCB2222

Recessed ceiling mounting



VDC2222 (B) + AMB22 + SD0452 + SD0452-S

Suspended ceiling mounting



VDC2222 (B) + ASB VDC + SD0452 + SD0452-S

Emergency signs
220 x 220 mm

Check signs and their references in the Sign Annex.

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Notes:

(1) They incorporate a microprocessor for Self-test operation. The "Maintained Autotest" models provide 55 cd/m² output mains on.

(2) Complies with requirements of the Portuguese regulations (Regras Técnicas das Instalações Elétricas de Baixa Tensão 801.2.1.5.3.1.6). Minimum luminous flux 60 lm.

All VDC2222 models have two sides with light output and requiring the selection of two pictograms or opaque sheets if informing on only ine side is desired (see accessories).

The "Non-Maintained" models hace remote control connection. The "Maintained" models can be switched off mains on and the do NOT have remote control connection. If you add a T to the reference they will have remote control connection, but they will NOT be able to switched off mains on.

Degree of protection: IP20 IK04

VDC2222

Model	Duration (h)	Battery	Lamp
Non-maintained:			
VDC2222 N	1h	NiCd	LED
VDC2222 N60 (2)	1h	NiCd	LED
VDC2222 2N	2h	NiCd	LED
Maintained:			
VDC2222 P	1h	NiCd	LED
VDC2222 P60 (2)	1h	NiCd	LED
VDC2222 2P	2h	NiCd	LED
Non-maintained Autotest: (1) (2)			
VDC2222 N A	1h	$LiFePO_4$	LED
VDC2222 2N A	2h	$LiFePO_4$	LED
VDC2222 3N A	3h	$LiFePO_4$	LED
Maintained Autotest: (1) (2)			
VDC2222 P A	1h	$LiFePO_4$	LED
VDC2222 2P A	2h	$LiFePO_4$	LED
VDC2222 3P A	3h	$LiFePO_4$	LED

Luminaire	Does not include battery. Luminaire specific function.	
Model	**Power supply**	**Lamp**
VDC2222 L	See finishes	LED

Finishes

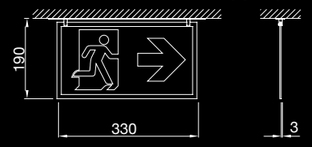
Finish of	Description	Marking
Colour	White	(B)
	Black	(N)
Power supply (according to operation)		
Self-contained	Non-maintained and non-maintained Autotest 230V 50Hz	-----
	110-120V 60Hz	(110-120V)
	Maintained and Maintained Autotest 220-230V 50/60Hz	-----
	110-127V 50/60Hz	(110-127V)
Luminaires (Does not include battery)	110-240V 50/60Hz, 170-320V DC	-----
	24V 50/60Hz, 18-30V DC	(24V)

Accessories

Reference	Description	Colour
APB VDC	Accessory for wall mounting	White
APN VDC		Black
ASB VDC	Accessory for suspending on ceiling	White
ASN VDC		Black
AMB22	Accessory for recessed mounting on ceiling	White
AMN22		Black
SD...	Easily replaceable emergency signs	Green
TCB2222	Opaque sheet	White
TCN2222		Black
50 TE	Remote control	Grey

MTC3216

Ceiling mounting

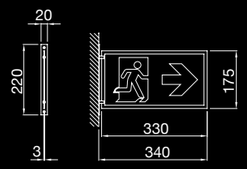


MTC3216-T

Wall mounting

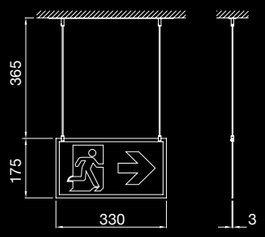
MTC3216-P

Pennant wall mounting



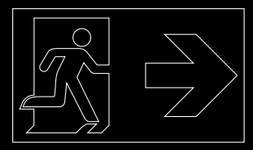
MTC3216-B

Suspended ceiling mounting



MTC3216-S

Emergency signs
320 x 160 mm



Check signs and their references in the Sign Annex.
Page 29

MTC3216

Model	Pictogram	Colour
Ceiling Mounting:		
MTC3216-T (F, SD09_ _*, GP)		Silver grey
MTC3216-T (F, SD09_ _*, B)	One side	White
MTC3216-T (F, SD09_ _*, N)		Black
MTC3216-T (2F, SD09_ _*, GP)		Silver grey
MTC3216-T (2F, SD09_ _*, B)	Two sides	White
MTC3216-T (2F, SD09_ _*, N)		Black
Suspended ceiling mounting:		
MTC3216-S (F, SD09_ _*, GP)		Silver grey
MTC3216-S (F, SD09_ _*, B)	One side	White
MTC3216-S (F, SD09_ _*, N)		Black
MTC3216-S (2F, SD09_ _*, GP)		Silver grey
MTC3216-S (2F, SD09_ _*, B)	Two sides	White
MTC3216-S (2F, SD09_ _*, N)		Black
Pennant wall mounting:		
MTC3216-B (F, SD09_ _*, GP)		Silver grey
MTC3216-B (F, SD09_ _*, B)	One side	White
MTC3216-B (F, SD09_ _*, N)		Black
MTC3216-B (2F, SD09_ _*, GP)		Silver grey
MTC3216-B (2F, SD09_ _*, B)	Two sides	White
MTC3216-B (2F, SD09_ _*, N)		Black
Wall mounting:		
MTC3216-P (F, SD09_ _*)	One side	-----

* Must be filled out the reference with the code of the emergency sign (Sign Annex).

MTC4816

Ceiling mounting

MTC4816-T

Emergency signs
465 x 155 mm

Check signs and their references in the Sign Annex.
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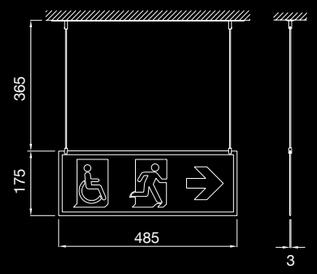
Wall mounting

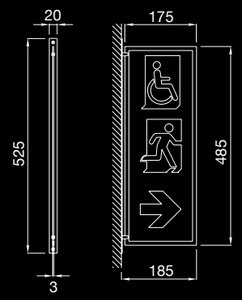
MTC4816-P

Suspended ceiling mounting



MTC4816-S

Pennant wall mounting



MTC4816-B

Emergency signs (B)
155 x 465 mm

Check signs and their references in the Sign Annex.
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MTC4816

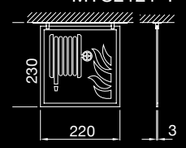
Model	Pictogram	Colour
Ceiling Mounting:		
MTC4816-T (F, SD09_ _*, GP)		Silver grey
MTC4816-T (F, SD09_ _*, B)	One side	White
MTC4816-T (F, SD09_ _*, N)		Black
MTC4816-T (2F, SD09_ _*, GP)		Silver grey
MTC4816-T (2F, SD09_ _*, B)	Two sides	White
MTC4816-T (2F, SD09_ _*, N)		Black
Suspended ceiling mounting:		
MTC4816-S (F, SD09_ _*, GP)		Silver grey
MTC4816-S (F, SD09_ _*, B)	One side	White
MTC4816-S (F, SD09_ _*, N)		Black
MTC4816-S (2F, SD09_ _*, GP)		Silver grey
MTC4816-S (2F, SD09_ _*, B)	Two sides	White
MTC4816-S (2F, SD09_ _*, N)		Black
Pennant wall mounting:		
MTC4816-B (F, SD09_ _*, GP)		Silver grey
MTC4816-B (F, SD09_ _*, B)	One side	White
MTC4816-B (F, SD09_ _*, N)		Black
MTC4816-B (2F, SD09_ _*, GP)		Silver grey
MTC4816-B (2F, SD09_ _*, B)	Two sides	White
MTC4816-B (2F, SD09_ _*, N)		Black
Wall mounting:		
MTC4816-P (F, SD09_ _*)	One side	-----

* Must be filled out the reference with the code of the emergency sign (Sign Annex).

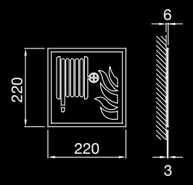
MTC2121

Ceiling mounting

MTC2121-T

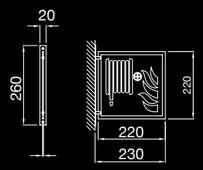


Wall mounting



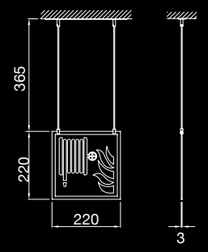
MTC2121-P

Pennant wall mounting



MTC3216-B

Suspended ceiling mounting



MTC2121-S

Emergency signs
210 x 210 mm

Check signs and their references in the Sign Annex.

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MTC2121

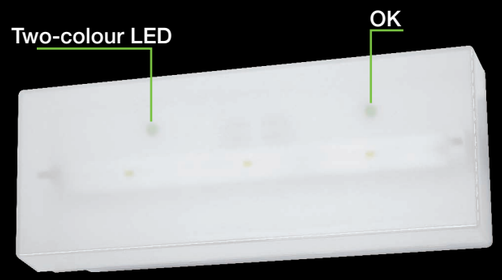
Model	Pictogram	Colour
Ceiling Mounting:		
MTC2121-T (F, SD09 _*, GP)		Silver grey
MTC2121-T (F, SD09 _*, B)	One side	White
MTC2121-T (F, SD09 _*, N)		Black
MTC2121-T (2F, SD09 _*, GP)		Silver grey
MTC2121-T (2F, SD09 _*, B)	Two sides	White
MTC2121-T (2F, SD09 _*, N)		Black
Suspended ceiling mounting:		
MTC2121-S (F, SD09 _*, GP)		Silver grey
MTC2121-S (F, SD09 _*, B)	One side	White
MTC2121-S (F, SD09 _*, N)		Black
MTC2121-S (2F, SD09 _*, GP)		Silver grey
MTC2121-S (2F, SD09 _*, B)	Two sides	White
MTC2121-S (2F, SD09 _*, N)		Black
Pennant wall mounting:		
MTC2121-B (F, SD09 _*, GP)		Silver grey
MTC2121-B (F, SD09 _*, B)	One side	White
MTC2121-B (F, SD09 _*, N)		Black
MTC2121-B (2F, SD09 _*, GP)		Silver grey
MTC2121-B (2F, SD09 _*, B)	Two sides	White
MTC2121-B (2F, SD09 _*, N)		Black
Wall mounting:		
MTC2121-P (F, SD09 _*)	One side	-----

* Must be filled out the reference with the code of the emergency sign (Sign Annex).

Autotest System

The Autotest luminaires incorporate a microprocessor that automatically verifies different parameters, making periodical tests:

- Functional test (every 30 days) that simulates a network malfunction and verifies the functioning of the light source.
- Autonomy test (every 3 months) that simulates a mains power fail and verifies that the autonomy provided is superior than nominal.
- The result of these tests are communicated by a two-colour LED indicator light on the luminaire.



Luminaire status, two-colour LED

Green LED	Amber LED	Meaning	Action to be taken
●	○	Everything OK	None
◓ (slow)	○	Duration test in progress	None
◓ (fast)	○	Functional test in progress	None
○	◓ 1 pulse	Duration failure	Change battery +72h
○	◓ 2 pulses	Lamp failure	Change lamp +48h Repair luminaire VDC
○	◓ 3 pulses	Battery does not charge	Check battery or repair luminaire
○	◓ 4 pulses	Electronics failure	Repair luminaire
○	●	Low battery voltage	Check battery or repair luminaire

On: ● / ● Stopping: ○ / ○ Blinking: ◓ / ◓

Configuration of the Test using a remote control

By connecting a remote control (50 TE) to luminaires with connection for this device, you can control the following functions:

- Manual functional test using the button on the Remote Control.
- Manual autonomy test using the button on the Remote Control.
- Definition of the time set for the automatic tests.

Technical characteristics:

- Self-contained with rest mode, non-maintained and maintained.
- Suitable for positioning on generally inflammable surfaces.
- Class II ⧈
- Rechargable watertight accumulators of Ni-Cd in the Self-test models.
- Rechargable watertight accumulators of Ni-Mh in the Self-test models.
- Rechargable watertight accumulators of $LiFePO_4$ at high temeperatures, pulse-load that permits a major reduction in energy consumption.
- Battery charge time: 24h.
- Protection against overcurrent.
- Swithches to the emergency status when the voltage drops to 70% of the nominal value.
- Indication of presence of power and of battery charge, with high-luminosity, long-life LED.
- Start/stop buttons on the front screen.
- Optional remote control. Suitable for use in rail DIN 46277/3, EN 50022 in electric panels, occupying the width of 4 standard circuit breakers.
- Enables simulation of mains power failure.
- Surface mounted in walls an ceilings, flush mounted, recessed mounted and suspended.
- Box for recessed and flush-mounting of quick fixing without screws.
- All the references are fitted with a fixing plate that makes installation quicker and easier.
- Four possible cable inputs, three sides for pipes and one in the back.
- Terminals with possibility of connection for cables of up to 2 x 2,5mm^2 per pole, except in VDC of up to 2 x 1,5mm^2 per pole.

- D-eco / eco / ecoES
- VDC

Complies with standards

EN 60598-2-22
EN 55015
EN 61000-3-2
EN 61547
EN 62034

CE

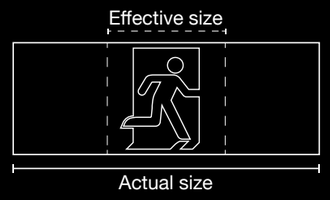
Compliant with the Guidelines on Low Voltage 2014/35/EU, Electromagnetic Compatibility 2014/30/EU, 2002/96/EC and RoHS 2011/65/EU.

SIGN ANNEX

Emergency exit signs.
Complies with EN 1838, EN ISO 7010, UNE 23033 and UNE 23034 standards.

Note: The effective size of a signage label is its optimal dimension for it to be seen and understood properly from a specific distance. The number of elements contaibed in the label affects its effective size.

SINGLE SIGNS

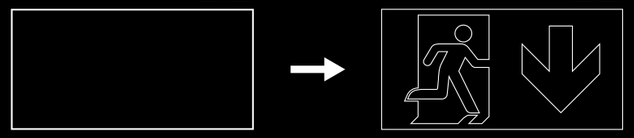


DOUBLE SIGNS

TRIPLE SIGNS

Example:

VDC2211 SD03 □□



VDC2211 SD03 1 2

D-ecoLD | ecoLD | eco-esLD

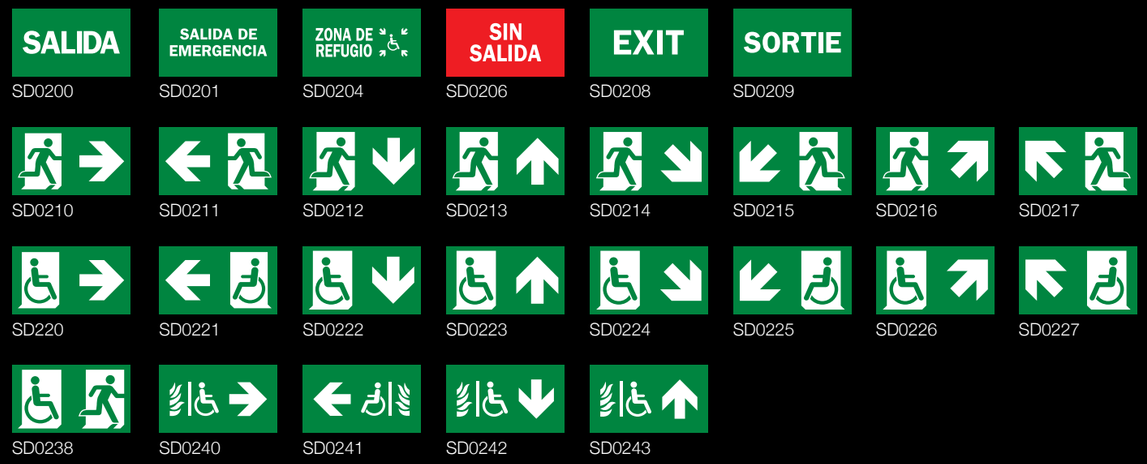
Emergency signs. (Adhesives)
Actual size of the sign 230 x 75 mm | Effective size 150 x 75 mm SD01 □□

Actual size of the sign 230 x 75 mm | Effective size 225 x 75 mm

Actual size of the sign 230 x 75 mm | Effective size 75 x 75 mm

VDC3216

Emergency signs.
Actual size of the sign 320 x 160 mm | Effective size 320 x 160 mm SD02□□



SD0200 SD0201 SD0204 SD0206 SD0208 SD0209

SD0210 SD0211 SD0212 SD0213 SD0214 SD0215 SD0216 SD0217

SD220 SD0221 SD0222 SD0223 SD0224 SD0225 SD0226 SD0227

SD0238 SD0240 SD0241 SD0242 SD0243

Actual size of the sign 320 x 160 mm | Effective size 320 x 107 mm

SD0202 SD0203

SD0230 SD0231 SD0232 SD0233 SD0234 SD0235 SD0236 SD0237

Actual size of the sign 320 x 160 mm | Effective size 160 x 160 mm

SD0205 SD0207 SD0218 SD0228

Both sides information:

Double-sided different references.
For a one-side option, select a pictogram and an opaque sheet.

SD0212-S SD0213-S SD0222-S SD0223-S SD0242-S SD0243-S SD0238-S SD0233-S

SD0205-S SD0207-S SD0218-S SD0228-S

*For a one-side option

TCB3216
White opaque sheet

TCN3216
Black opaque sheet

VDC2211

Emergency signs.
Actual size of the sign 220 x 110 mm | Effective size 220 x 110 mm SD03□□

SD0300 SD0301 SD0304 SD0306 SD0308 SD0309

SD0310 SD0311 SD0312 SD0313 SD0314 SD0315 SD0316 SD0317

SD320 SD0321 SD0322 SD0323 SD0324 SD0325 SD0326 SD0327

SD0338 SD0340 SD0341 SD0342 SD0343

Actual size of the sign 220 x 110 mm | Effective size 220 x 75 mm

SD0302 SD0303

SD0330 SD0331 SD0332 SD0333 SD0334 SD0335 SD0336 SD0337

Actual size of the sign 220 x 110 mm | Effective size 110 x 110 mm

SD0305 SD0307 SD0318 SD0328

Both sides information:

Double-sided different references.
For a one-side option, select a pictogram and an opaque sheet.

SD0312-S SD0313-S SD0322-S SD0323-S SD0342-S SD0343-S SD0338-S SD0333-S

SD0305-S SD0307-S SD0318-S SD0328-S

*For a one-side option

TCB2211
White opaque sheet

TCN2211
Black opaque sheet

VDC2222

Emergency signs.
Actual size of the sign 220 x 220 mm | Effective size 220 x 220 mm SD04 □□

SD0405 SD0407 SD0418 SD0428 SD0450 SD0451 SD0452 SD0453

Both sides information:

Double-sided different references.
For a one-side option, select a pictogram and an opaque sheet.

SD0405-S SD0407-S SD0418-S SD0428-S SD0450-S SD0451-S SD0452-S SD0453-S

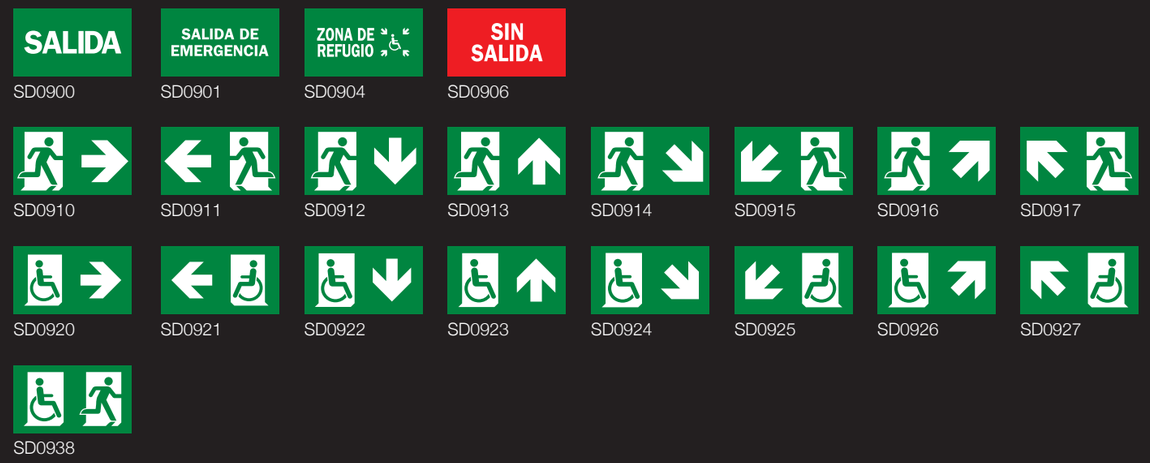
*Cuando solicite opción por una cara

TCB2222
White opaque sheet

TCN2222
Black opaque sheet

MTC3216

Emergency signs. (Photoluminescent)
Actual size of the sign 320 x 160 mm | Effective size 320 x 160 mm SD09 □□



SD0900 SD0901 SD0904 SD0906

SD0910 SD0911 SD0912 SD0913 SD0914 SD0915 SD0916 SD0917

SD0920 SD0921 SD0922 SD0923 SD0924 SD0925 SD0926 SD0927

SD0938

MTC2121

Emergency signs. (Photoluminescent)
Actual size of the sign 210 x 210 mm | Effective size 210 x 210 mm SD09 □□

SD0905 SD0907 SD0918 SD0928 SD0950 SD0951 SD0952 SD0953

MTC4816

Emergency signs. (Photoluminescent)
Actual size of the sign 480 x 160 mm | Effective size 480 x 160 mm SD09 □□

SD0902

SD0903

SD0904

SD0930

SD0931

SD0932

SD0933

SD0934

SD0935

SD0936

SD0937

MTC4816 Pennant wall mounting

Emergency signs. (Photoluminescent)
Actual size of the sign 160 x 480 mm | Effective size 160 x 480 mm SD09 □□

SD0930

SD0931

SD0932

SD0933

SD0934

SD0935

SD0936

SD0937

DUISA

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Duisa, S.A.U. reserves the right to make alterations to the specifications without prior notification.

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