DUISA

Emergency Lighting and Signalling

Index

D-ecoLD

surface

D-ecoLD

245
56
82

flush wall mounting

269
2
106
70
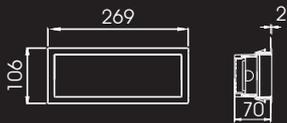
D-ecoLD + AEPB D-eco

flush ceiling mounting

269
106
258
88
2
258 x 88 mm

D-ecoLD + AETB D-eco

359
184
255
92
2.5

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

(2)
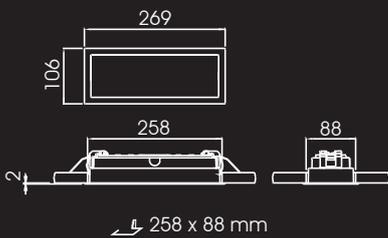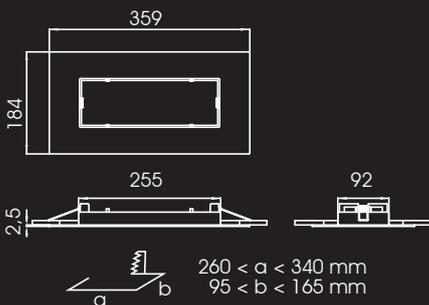
D-ecoLD + AETUB D-eco

Emergency Signs

230x70 mm

EC0112

EC0113

EC0116

EC0117

EC0124

EXIT

EC0138

EC0130

EC0131

EC0132

EC0133

EC0134

EC0135

EC0136

EC0137

Photometric curve

D-ecoLD

-80°   80°
-60°   60°
-40°   40°
-20°   0°   20°
100
150
200
250
300
cd/K1m
+90°   +90°
-90°   -90°
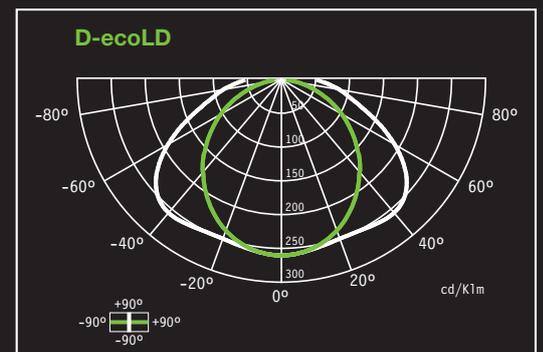
D-ecoLD

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

(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 they 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 be switched off mains on.
The "Maintained" models provide 100lm output mains on.
Degree of protection: **IP43 IK04**

Finishes

Finish of	Description	Marking
Power supply (according to operation)	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)

Accessories

Reference	Description	Colour
AEPB D-eco	Wall flush mounting accessory	White
AEPGP D-eco		Silver grey
AETB D-eco	Ceiling flush mounting accessory	White
AETGP D-eco		Silver grey
AETUB D-eco	Accessory for flush mounting on ceiling	White
AETUGP D-eco	for different opening measurements. (2)	Silver grey
50 TE	Remote control	Grey
EC...	Emergency signs (1)	Green

(1) Custom emergency signs shall be supplied upon order.
(2) They allow the flush installation in most openings used by other luminaires.

ecoLD

surface

ecoLD

245

82

54

recessed ceiling mounting

262

99

245

28,5

⌀ 245 x 75 mm

75

102

ecoLD + ATB eco

ecoLD + ATB eco + eco DBC + EC0116

recessed wall mounting

262

99

28,5

41

ecoLD + APB eco

Emergency Signs

230x70 mm

EC0112	EC0113
EC0116	EC0117
EC0124 **EXIT**	EC0138
EC0130	EC0131
EC0132	EC0133
EC0134	EC0135
EC0136	EC0137

Photometric curve

ecoLD

-80°   80°
-60°   60°
-40°   40°
-20°   20°
0°

100
150
200
250
300
350

cd/Klm

+90°   +90°
-90°   -90°
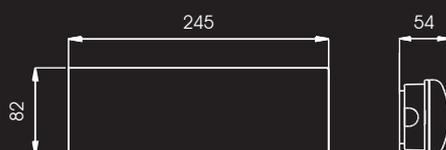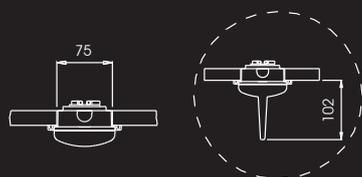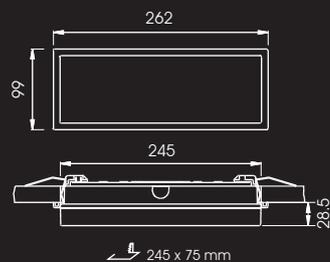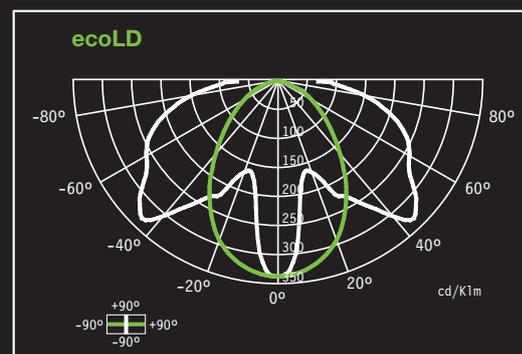
ecoLD

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

(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 they 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 be switched off mains on.
The "Maintained" models provide 100lm output mains on.
Degree of protection: **IP43 IK04**

Finishes

Finish of	Description	Marking
Power supply (according to operation)	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)

Accessories

Reference	Description	Colour
APB eco		White
APC eco	Wall recessing accessory	Chrome
APN eco		Nickel
APO eco		Gold
ATB eco		White
ATC eco	Ceiling recessing accessory	Chrome
ATN eco		Nickel
ATO eco		Gold
AETUB D-eco	Accessory for flush-mounting on ceiling	White
AETUGP D-eco	for different opening measurements. (2)	Silver grey
eco DBC	Double sided diffuser	Opal
50 TE	Remote control	Grey
EC...	Emergency signs (1)	Green

(1) Custom emergency signs shall be supplied upon order.
(2) They allow the flush installation in most openings used by other luminaires.

eco-esLD

watertight


eco-esLD

262.5 · 67 · 99.5

Emergency Signs

230x70 mm

EC0112 | EC0113

EC0116 | EC0117

EC0124 — **EXIT** | EC0138

EC0130 | EC0131

EC0132 | EC0133

EC0134 | EC0135

EC0136 | EC0137
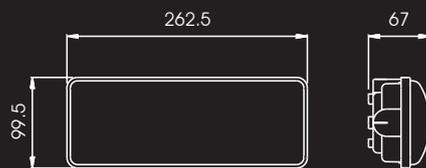
watertight recessed mounting

303.5 · 124 · 21.5 · 49.5

eco-esLD + APES eco

Photometric curve

eco-esLD

-80° · -60° · -40° · -20° · 0° · 20° · 40° · 60° · 80°

50 · 100 · 150 · 200 · 250 · 300 · 350

cd/Klm

+90° · -90° · +90° · -90°
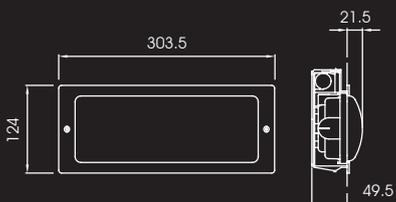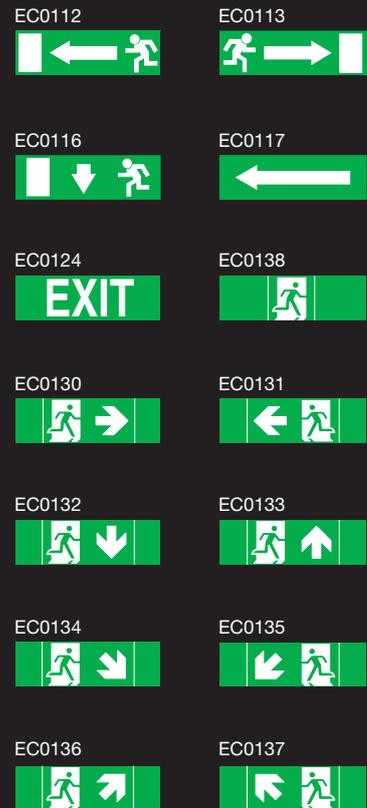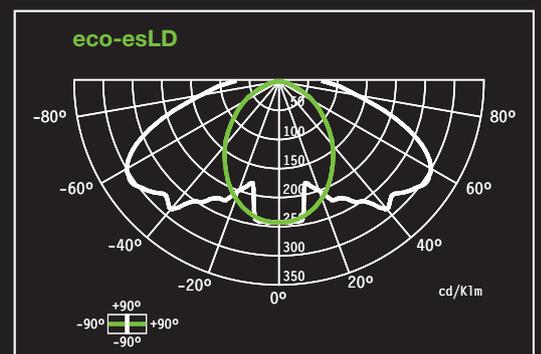
eco-esLD

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

(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 they 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 be switched off mains on.

The "Maintained" models provide 100lm output mains on.

Degree of protection: **IP65 IK07**

Finishes

Finish of	Description	Marking
Power supply	Non maintained and Non maintained Autotest	
(according to operation)	230V 50Hz	(-----)
	110-120V 60Hz	(110-120V)
	Maintained and Maintained Autotest	
	220-230V 50/60Hz	(-----)
	110-127V 50/60Hz	(110-127V)

Accessories

Reference	Description	Colour
APES eco	Wall recessing accessory	Inox
50 TE	Remote control	Grey
EC...	Emergency signs (1)	Green

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

VDC3216

ceiling mounting

VDC3216 (B) + EC0228 + EC0229

27
5
242
77
328
8

wall mounting

36
49
251
328
8

VDC3216 (B) + APB VDC + EC0228 + TCB3216

recessed ceiling mounting

27
1.5
60
183
328
8
340 x 35 mm
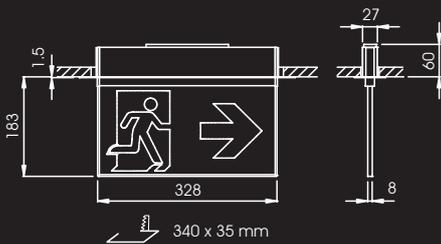
VDC3216 (B) + AMB32 + EC0228 + EC0229

suspended ceiling mounting

ø80
23.5
293
237
328
8
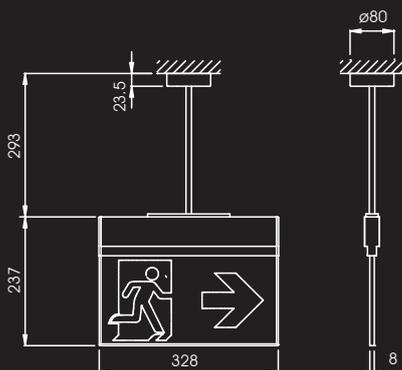
VDC3216 (B) + ASB VDC + EC0228 + EC0229

10

Emergency Signs

320x160 mm

Pictograms both sides

Doble-sided different references.

For a one-side option, select a pictogram and an opaque sheet.

EC0201 EC0202
EC0207 EC0206
EC0228 EC0229
EC0230 EC0237
EC0231 EC0238
EC0232 EC0233
EC0234 EC0235
EC0208 **EXIT**

Opaque sheets

For a one-side option

TCB3216 — White opaque sheet
TCN3216 — Black opaque sheet

VDC3216

Model	Autonomy (h)	Battery	Lamp
Non maintained			
VDC3216 N	1	Ni-Cd	LED
VDC3216 N60 (2)	1	Ni-Cd	LED
VDC3216 2N	2	Ni-Cd	LED
Maintained			
VDC3216 P	1	Ni-Cd	LED
VDC3216 P60 (2)	1	Ni-Cd	LED
VDC3216 2P	2	Ni-Cd	LED
Non maintained Autotest (1) (2)			
VDC3216 N A	1	LiFePO$_4$	LED
VDC3216 2N A	2	LiFePO$_4$	LED
VDC3216 3N A	3	LiFePO$_4$	LED
Maintained Autotest (1) (2)			
VDC3216 P A	1	LiFePO$_4$	LED
VDC3216 2P A	2	LiFePO$_4$	LED
VDC3216 3P A	3	LiFePO$_4$	LED

(1) They incorporate a microprocessor for Self-test operation. The "Maintained Autotest" models provide 500 cd/m^2 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 one side is desired (see accessories).

The "Non maintained" models have remote control connection.

The "Maintained" models can be switched off mains on and they 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 be switched off mains on.

Degree of protection: **IP20 IK04**

Finishes

Finish of	Description	Marking
Colour	White	(B)
	Black	(N)
Power supply (according to operation)	Non maintained and Maintained	
	230V 50-60Hz	(---)
	110-120V 60Hz	(110-120V)
	Non maintained and Maintained Autotest	
	220-230V 50-60Hz	(---)
	110-127V 50-60Hz	(110-127V)

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
AMB32	Accessory for recessed mounting on ceiling	White
AMN32		Black
EC...	Easily replaceable emergency signs	Green
TCB3216	Opaque sheet	White
TCN3216		Black
50 TE	Remote control	Grey

VDC2211

ceiling mounting

VDC2211 (B) + EC0328 + EC0329

wall mounting
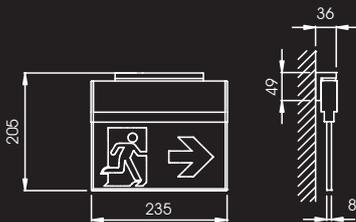
VDC2211 (B) + APB VDC + EC0328 + TCB2211

recessed ceiling mounting

248 x 35 mm
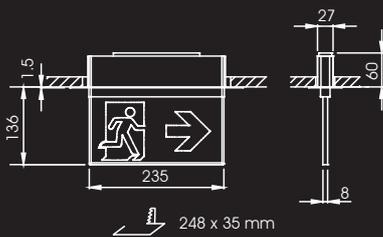
VDC2211 (B) + AMB22 + EC0328 + EC0329

suspended ceiling mounting
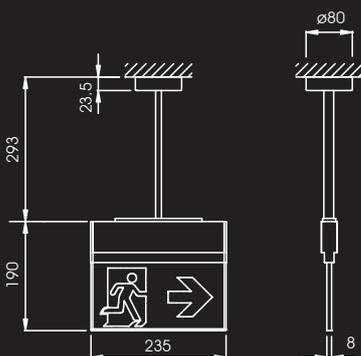
VDC2211 (B) + ASB VDC + EC0328 + EC0329

Emergency Signs

228x114 mm

Pictograms both sides

Doble-sided different references.

For a one-side option, select a pictogram and an opaque sheet.

EC0328

EC0329

EC0330

EC0337

EC0331

EC0338

EC0332

EC0333

EC0334

EC0335

EC0308

EXIT

Opaque sheets

For a one-side option

TCB2211

White opaque sheet

TCN2211

Black opaque sheet

VDC2211

Model	Autonomy (h)	Battery	Lamp
Non maintained			
VDC2211 N	1	Ni-Cd	LED
VDC2211 N60 (2)	1	Ni-Cd	LED
VDC2211 2N	2	Ni-Cd	LED
Maintained			
VDC2211 P	1	Ni-Cd	LED
VDC2211 P60 (2)	1	Ni-Cd	LED
VDC2211 2P	2	Ni-Cd	LED
Non maintained Autotest (1) (2)			
VDC2211 N A	1	LiFePO$_4$	LED
VDC2211 2N A	2	LiFePO$_4$	LED
VDC2211 3N A	3	LiFePO$_4$	LED
Maintained Autotest (1) (2)			
VDC2211 P A	1	LiFePO$_4$	LED
VDC2211 2P A	2	LiFePO$_4$	LED
VDC2211 3P A	3	LiFePO$_4$	LED

(1) They incorporate a microprocessor for Self-test operation.
The "Maintained Autotest" models provide 500 cd/m^2 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 one side is desired (see accessories).

The "Non maintained" models have remote control connection.

The "Maintained" models can be switched off mains on and they 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 be switched off mains on.

Degree of protection: **IP20 IK04**

Finishes

| Finish of	Description	Marking
Colour	White	(B)
	Black	(N)
Power supply (according to operation)	Non maintained and Maintained	
	230V 50-60Hz	(---)
	110-120V 60Hz	(110-120V)
	Non maintained and Maintained Autotest	
	220-230V 50-60Hz	(---)
	110-127V 50-60Hz	(110-127V)

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
EC...	Easily replaceable emergency signs	Green
TCB2211	Opaque sheet	White
TCN2211		Black
50 TE	Remote control	Grey

VDC2222

ceiling mounting

VDC2222 (B) + EC0463 + EC0463-S

wall mounting
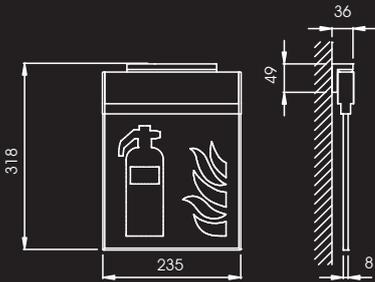
VDC2222 (B) + APB VDC + EC0463 +TCB2222

recessed ceiling mounting

248 x 35 mm
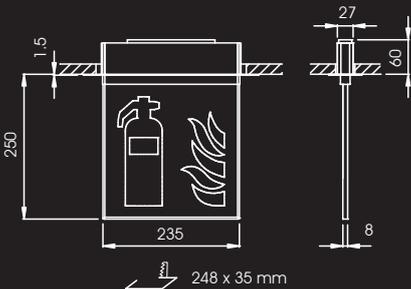
VDC2222 (B) + AMB22 + EC0463 + EC0463-S

suspended ceiling mounting
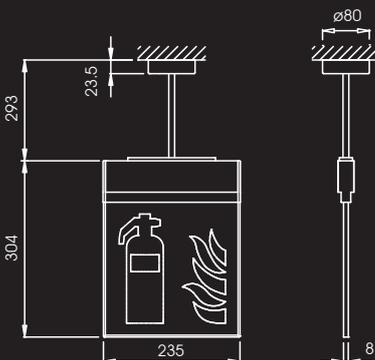
VDC2222 (B) + ASB VDC + EC0463 + EC0463-S

Emergency Signs

228x228 mm

Pictograms both sides

Doble-sided different references.

For a one-side option, select a pictogram and an opaque sheet.

EC0410	EC0410-S
EC0413	EC0413-S
EC0416	EC0416-S
EC0436	EC0436-S
EC0460	EC0460-S
EC0461	EC0461-S
EC0462	EC0462-S
EC0463	EC0463-S
EC0411	
EC0412	

Opaque sheets

For a one-side option

TCB2222	TCN2222
White opaque sheet	Black opaque sheet

14

VDC2222

Model	Autonomy (h)	Battery	Lamp
Non maintained			
VDC2222 N	1	Ni-Cd	LED
VDC2222 N60 (2)	1	Ni-Cd	LED
VDC2222 2N	2	Ni-Cd	LED
Maintained			
VDC2222 P	1	Ni-Cd	LED
VDC2222 P60 (2)	1	Ni-Cd	LED
VDC2222 2P	2	Ni-Cd	LED
Non maintained Autotest (1) (2)			
VDC2222 N A	1	LiFePO$_4$	LED
VDC2222 2N A	2	LiFePO$_4$	LED
VDC2222 3N A	3	LiFePO$_4$	LED
Maintained Autotest (1) (2)			
VDC2222 P A	1	LiFePO$_4$	LED
VDC2222 2P A	2	LiFePO$_4$	LED
VDC2222 3P A	3	LiFePO$_4$	LED

(1) They incorporate a microprocessor for Self-test operation. The "Maintained Autotest" models provide 500 cd/m^2 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 one side is desired (see accessories).

The "Non maintained" models have remote control connection.

The "Maintained" models can be switched off mains on and they 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 be switched off mains on.

Degree of protection: **IP20 IK04**

Finishes

Finish of	Description	Marking
Colour	White	(B)
	Black	(N)
Power supply (according to operation)	Non maintained and Maintained	
	230V 50-60Hz	(---)
	110-120V 60Hz	(110-120V)
	Non maintained and Maintained Autotest	
	220-230V 50-60Hz	(---)
	110-127V 50-60Hz	(110-127V)

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
EC...	Easily replaceable emergency signs	Green / Red
TCB2222	Opaque sheet	White
TCN2222		Black
50 TE	Remote control	Grey

MTC3216

Photoluminescent Signs

310x155 mm

ceiling mounting

MTC3216-T

wall mounting

MTC3216-P

pennant wall mounting
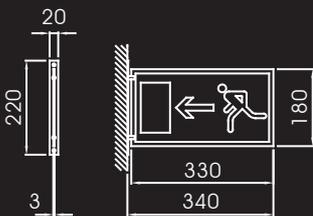
MTC3216-B

suspended ceiling mounting

MTC3216-S

EC0902	EC0901
EC0906	EC0908
EC0928	EC0929
EC0930	EC0931
EC0932	EC0933
EC0934	EC0935

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MTC3216

Model	Pictogram	Colour
Ceiling mounting		
MTC3216-T (F, EC09_ _*, GP)		Silver grey
MTC3216-T (F, EC09_ _*, B)	One side	White
MTC3216-T (F, EC09_ _*, N)		Black
MTC3216-T (2F, EC09_ _*, GP)		Silver grey
MTC3216-T (2F, EC09_ _*, B)	Two sides	White
MTC3216-T (2F, EC09_ _*, N)		Black
Suspended ceiling mounting		
MTC3216-S (F, EC09_ _*, GP)		Silver grey
MTC3216-S (F, EC09_ _*, B)	One side	White
MTC3216-S (F, EC09_ _*, N)		Black
MTC3216-S (2F, EC09_ _*, GP)		Silver grey
MTC3216-S (2F, EC09_ _*, B)	Two sides	White
MTC3216-S (2F, EC09_ _*, N)		Black
Pennant wall mounting		
MTC3216-B (F, EC09_ _*, GP)		Silver grey
MTC3216-B (F, EC09_ _*, B)	One side	White
MTC3216-B (F, EC09_ _*, N)		Black
MTC3216-B (2F, EC09_ _*, GP)		Silver grey
MTC3216-B (2F, EC09_ _*, B)	Two sides	White
MTC3216-B (2F, EC09_ _*, N)		Black
Wall mounting		
MTC3216-P (F, EC09_ _*)	One side	-----

* Must be filled out the reference with the code of the emergency sign (previous page).

MTC2121

Photoluminescent Signs

200x200 mm

ceiling mounting

MTC2121-T

230
220
3

wall mounting

6
220
220
3
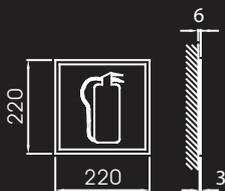
MTC2121-P

pennant wall mounting

20
260
3
220
220
230
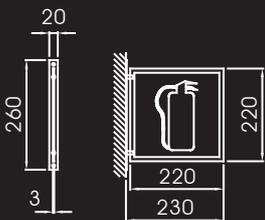
MTC2121-B

suspended ceiling mounting

365
220
220
3

MTC2121-S

EC0910

EC0911

EC0912

EC0913

EC0916

EC0936

EC0960

EC0961

EC0962

EC0963

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MTC2121

Model	Pictogram	Colour
Ceiling mounting		
MTC2121-T (F, EC09_ _*, GP)		Silver grey
MTC2121-T (F, EC09_ _*, B)	One side	White
MTC2121-T (F, EC09_ _*, N)		Black
MTC2121-T (2F, EC09_ _*, GP		Silver grey
MTC2121-T (2F, EC09_ _*, B)	Two sides	White
MTC2121-T (2F, EC09_ _*, N)		Black
Suspended ceiling mounting		
MTC2121-S (F, EC09_ _*, GP)		Silver grey
MTC2121-S (F, EC09_ _*, B)	One side	White
MTC2121-S (F, EC09_ _*, N)		Black
MTC2121-S (2F, EC09_ _*, GP)		Silver grey
MTC2121-S (2F, EC09_ _*, B)	Two sides	White
MTC2121-S (2F, EC09_ _*, N)		Black
Pennant wall mounting		
MTC2121-B (F, EC09_ _*, GP)		Silver grey
MTC2121-B (F, EC09_ _*, B)	One side	White
MTC2121-B (F, EC09_ _*, N)		Black
MTC2121-B (2F, EC09_ _*, GP)		Silver grey
MTC2121-B (2F, EC09_ _*, B)	Two sides	White
MTC2121-B (2F, EC09_ _*, N)		Black
Wall mounting		
MTC2121-P (F, EC09_ _*)	One side	-----

* Must be filled out the reference with the code of the emergency sign (previous page).

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 results of these tests are communicated by a two-colour LED indicator light on the luminaire.

Two-colour LED   ⌒ OK
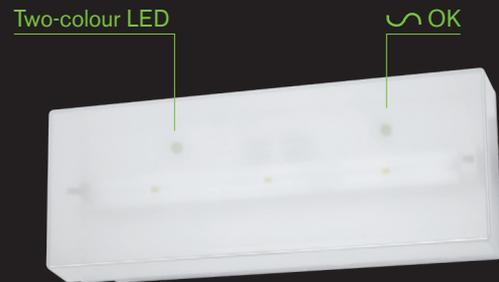
Luminaire status, bicolor LED

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 + 72 h
○	● 2 pulses	Lamp failure	Change lamp + 48 h 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:

• D-eco / eco / eco-es   • VDC

- Self-contained with rest mode, non-maintained and maintained.
- • Suitable for positioning on generally inflammable surfaces.
- • Class II ⬚ .
- Rechargable watertight accumulators of Ni-Mh in the Self-test models.
- • Rechargable watertight accumulators of Ni-Cd at high temperatures.
- Rechargable watertight accumulators of LiFePO$_4$ at high temperatures, pulse-load that permits a major reduction in energy consumption.
- • Battery charge time: 24 hours.
- • Protection against excessive battery discharge.
- • Protection against overcurrent.
- • Switches 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 2.5 mm^2 per pole, except in VDC of up to 2 x 1,5 mm^2 per pole.

Complies with standards

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

Compliant with the Guidelines

on Low Voltage 2014/35/EU,

Electromagnetic Compatibility

2014/30/EU, 2002/96/EC

and RoHS 2011/65/EU.

LED as a source of light

The use of LED technology as a source of light enables us to optimise the photometric curve, increasing the light output of the light fitting.

The high tolerance of LEDs to the number of switch-ons and their long useful life provide of a light source that is "maintenance free".

• SELF-TEST mode operation

The lights incorporate a microprocessor that verifies the battery status and light source, informing of the result with a LED indicator light LED in the luminaire itself.

Product development characterized by the accomplishment of the following requirements:

• Installation costs and electricity consumption savings: use of cool technology.

Quick-fix connection system employing a base plate for easy installation.

Charging system based on low-heat capacitive impedance which increases the power of the installation, saving electricity costs.

• Durability, long life: manufactured with first-class materials.

Synthetic material which complies with the European normative EN-60598-2-22 relating to the glow wire test 850°

Top brand fluorescent lamps guaranteeing a long life.

• Aesthetic image: Wide range of models with various fitting options

Surface mounted in walls and ceilings, flush mounted, recessed mounted and suspended.

Various finishing trims.

Watertight protection for Series eco-esLD.

Compact dimensiones adapting to any environment.

• Environmentally friendly: Developed and manufactured following the EcoDesign criteria.

Halogen free printed circuits.

Low-weight due to absence of input transformer.

Less consumption and automatic power factor correction due to its "cool technology".

www.duisa.com

Duisa was founded in 1999 focusing its activities on the development of new products in the emergency lighting and signalling sector.

Duisa focussies on the innovation and quality and this has allowed it to contribute to the creation of competitive technical solutions for a more and more demanding market, like the emergency lighting which involves people's safety.

From the beginning, Duisa has been principally characterized by its vocation for exporting, providing the necessary means to the adaptation to the new needs and demands of the market. At the moment it operates in different countries all around the world.

DUISA

Emergency Lighting and Signalling

Designed and
manufactured
in
Europe