

AB12...E

Technical data

AB 12...E with electronic ballast

Marking to 94/9/EC	Ⓔ II 2 G Ex d IIB T5 / Ⓔ II 2 D Ex tD A21 IP67 T78 °C ¹⁾
EC-Type Examination Certificate	LOM 02 ATEX 2013 X
IECEX Certificate of Conformity	IECEX BK1 07.0008 X
Marking accd. to IECEx	Ex d IIB T5 Ex tD A21 IP67 T76 °C
Permissible ambient temperature	-20 °C to + 40 °C
Rated voltage	198 V - 254 V AC / 175 - 280 V DC
Frequency	50/60 Hz
Power factor cos φ	> 0.9
Circuit	EVG
Connecting terminals	L1, N and PE: 2 x 2.5 mm ² / PE ext. 2 x 6 mm ²
Insulation class	I
Light efficiency in operation	73%
Lamp cap	G 13 accd. to IEC 60081
Degree of protection accd. EN 60529	IP67
Cable glands/gland plates/enclosure drilling	Direct entry: 2 x 3/4" ISO 7/1, 1 x Ex d plugs 3/4", eXLink inlet on request
Enclosure material	Copper-free aluminium
Enclosure colour	Polyester finish grey
Protective cover/protective bowl	Borosilicate glass

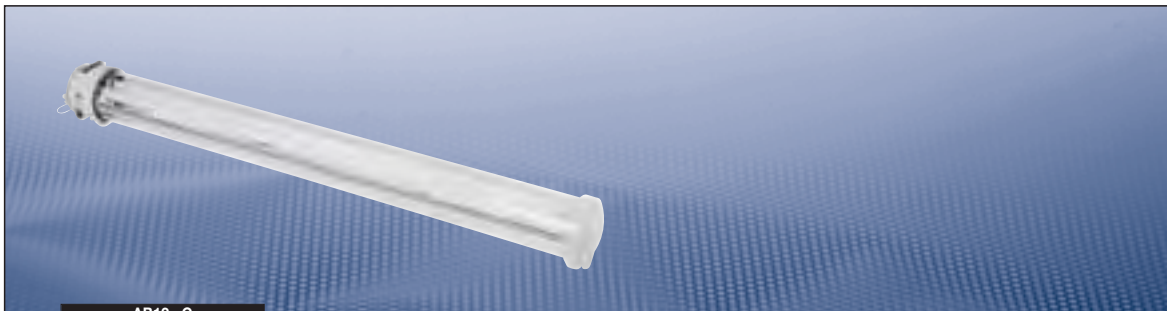
	AB 12220 E	AB 12240 E	AB 12265 E
Rated current	0.17 A	0.48 A	0.49 A
Lamp/illuminant	2 x T26 / 18 W	2 x T26 / 36 W	2 x T26 / 58 W
Rated luminous flux ²⁾	2700 lm	6700 lm	10400 lm
Dimensions (L x W x H)	707 x 144 x 140 mm	1320 x 144 x 140 mm	1620 x 144 x 140 mm
Weight	7 kg	12 kg	14 kg

Options	Through-wiring with terminals L1, L2, L3, N and PE: 2 x 2.5 mm ² , other lamps, single lamp versions
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¹⁾ certification accd. to new standard applies for

²⁾ depends on used lamps

AB 12...C with electromagnetic ballast



AB12...C

Technical data

AB 12... C/PL with conventional ballast

Marking to 94/9/EC	Ⓔ II 2 G Ex d IIB T5 / Ⓔ II 2 D Ex tD A21 IP67 T93 °C ¹⁾
EC-Type Examination Certificate	LOM 02 ATEX 2013 X
IECEX Certificate of Conformity	IECEX BK1 07.0008 X
Marking accd. to IECEX	Ex d IIB T5 Ex tD A21 IP67 T93 °C
Permissible ambient temperature	-20 °C to +55 °C
Rated voltage	230 V
Frequency	50 Hz
Power factor cos φ	> 0.9
Circuit	conventional ballast with ignitor
Connecting terminals	L1, N and PE: 2 x 2.5 mm ² / PE ext. 2 x 6 mm ²
Insulation class	I
Light efficiency in operation	70 %
Degree of protection accd. EN 60529	IP67
Cable glands/gland plates/enclosure drilling	Direct entry: 2 x 3/4" ISO 7/1, 1 x Ex d plugs 3/4", eXLink inlet on request
Enclosure material	Copper-free aluminium
Enclosure colour	Polyester finish grey
Protective cover/protective bowl	Borosilicate glass

	AB 12220 C	AB 12236PL
Rated current	0.37 A	0.39 A
Lamp/illuminant	2 x T26/ 18 W / T38/ 20 W	2 x TC-L 36 W
Luminous flux ¹⁾	2700 lm	2900 lm
Lamp cap	G 13 accd. to IEC 60081	2G11
Dimensions (L x W x H)	707 x 144 x 140 mm	707 x 144 x 140 mm
Weight	7 kg	8.5 kg

	AB 12240 C	AB 12265 C
Rated current	0.43 A	0.67 A
Lamp/illuminant	2 x T26 / 36 W / T38/ 40 W	2 x T26 / 58 W / T38/ 65 W
Luminous flux ¹⁾	6700 lm	10400 lm
Lamp cap	G 13 accd. to IEC 60081	G 13 accd. to IEC 60081
Dimensions (L x W x H)	1320 x 144 x 140 mm	1620 x 144 x 140 mm
Weight	12 kg	14 kg

Options	Through-wiring with terminals L1, L2, L3, N and PE: 2 x 2.5 mm ² , other lamps, single lamp versions
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¹⁾ certification accd. to new standard applies for

²⁾ depends on used lamps



Ordering details

Type	Lamp	Rated current	Cable gland for cable	Order No.
Type AB 12...E				
AB12220E	2 x 18 W	0.17 A	1 x 3/4" Ø 9 - 14 mm	NOR 000 005 060 301
	2 x 18 W	0.17 A	-	NOR 000 005 060 300
AB12240E	2 x 36 W	0.32 A	1 x 3/4" Ø 9 - 14 mm	NOR 000 005 060 309
	2 x 36 W	0.32 A	-	NOR 000 005 060 308
AB12265E	2 x 58 W	0.49 A	1 x 3/4" Ø 9 - 14 mm	NOR 000 005 060 317
	2 x 58 W	0.49 A	-	NOR 000 005 060 316
Type AB 12...C				
AB12220C	2 x 18/20 W	0.37 A	1 x 3/4" Ø 9 - 14 mm	NOR 000 005 060 347
	2 x 18/20 W	0.37 A	-	NOR 000 005 060 346
AB12236PL	2 x 36 W-TC-L	0.39 A	1 x 3/4" Ø 9 - 14 mm	NOR 000 005 060 670
	2 x 36 W-TC-L	0.39 A	-	NOR 000 005 060 669
AB12240C	2 x 36/40 W	0.43 A	1 x 3/4" Ø 9 - 14 mm	NOR 000 005 060 355
	2 x 36/40 W	0.43 A	-	NOR 000 005 060 354
AB12265C	2 x 58/65 W	0.67 A	1 x 3/4" Ø 9 - 14 mm	NOR 000 005 060 363
	2 x 58/65 W	0.67 A	-	NOR 000 005 060 362

Accessories

Lamp for luminaire AB12..

Type of lamp socket/ Diameter	Power	Luminous flux Light colour	Order No.
T26/Ø 26 mm (T8) Bi-pin socket G13	18 W	1350 lm white	3 2475 900 001
	36 W	3350 lm white	3 2475 900 002
	58 W	5200 lm white	3 2475 900 003
T26/Ø 26 mm (T8) Longlife Bi-pin socket G13 Aura-Ultimate	18 W	1300 lm white	3 2475 900 087
	36 W	3350 lm white	3 2475 900 088
	58 W	5200 lm white	on request
TC-L four-pin/Ø 18 mm Socket 2G11 for AB 12236 PL	36 W	2900 lm white	on request

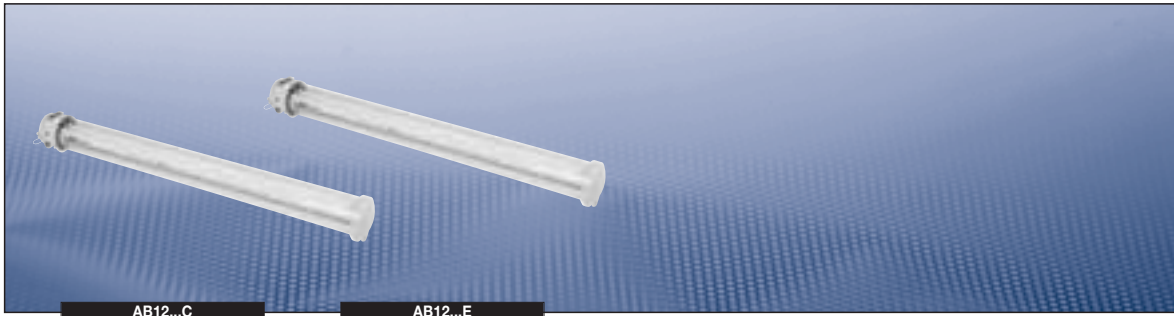
Reflector for luminaire AB12..

Type	Material	Version	Application	Order No.
Reflector RAB 220	AISI 304		for AB 12220../AB 12236 PL	NOR 003 045 060 403
Reflector RAB 240	AISI 304		for AB 12240..	NOR 003 045 060 411
Reflector RAB 265	AISI 304		for AB 12265..	NOR 003 045 060 429
Reflector RAB 220	AISI 316		for AB 12220..	NOR 003 165 060 403
Reflector RAB 240	AISI 316		for AB 12240	NOR 003 165 060 411
Reflector RAB 265	AISI 316		for AB 12265	NOR 003 165 060 429
Reflector GRAB 220	AISI 304	with wire guard (steel, white epoxid coated)	for AB 12220../AB 12236 PL	NOR 003 045 060 479
Reflector GRAB 240	AISI 304	with wire guard (steel, white epoxid coated)	for AB 12240..	NOR 003 045 060 487
Reflector GRAB 265	AISI 304	with wire guard (steel, white epoxid coated)	for AB 12265	NOR 003 045 060 485
Reflector GRAB 220	AISI 316	with wire guard (steel, white epoxid coated)	for AB 12220../AB 12236 PL	NOR 003 165 060 479
Reflector GRAB 240	AISI 316	with wire guard (steel, white epoxid coated)	for AB 12240..	NOR 003 165 060 487
Reflector GRAB 265	AISI 316	with wire guard (steel, white epoxid coated)	for AB 12265..	NOR 003 165 060 495

Scope of delivery without lamps and fixing material.

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Accessories

Type	Material	Order No.
Eye bolt A1	galvanized steel	NOR 000 005 009 261
Ceiling mounting bracket A5	galvanized steel	NOR 000 005 009 162
Wall suspension BFP 45	galvanized steel	NOR 000 005 009 196
Pipe clamp A8 1" 1/2 D 47 – 51 mm	hot galvanized steel	NOR 000 005 009 211
Pipe clamp A9 2" D 56 – 60 mm	hot galvanized steel	NOR 000 005 009 229

For these applications, it will be necessary to have 2 parts for each luminaire.

Metal cable glands M20/M25 see page 8.10.

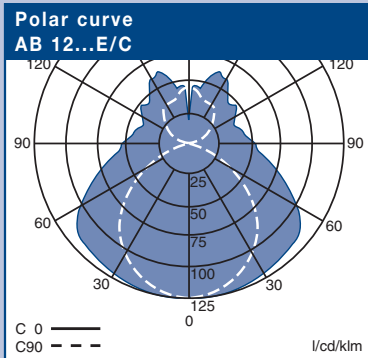
Complete Mounting Systems see page 2.70 to 2.76.

Dimension drawing | Polar curve

▽ optional entries, on request
 ▴ entries

Type	A	B
AB 12220	652	707
AB 12236 PL	652	707
AB 12240	1265	1320
AB 12265	1565	1620

AB 12220E / AB 12220C / AB 122236PL



Dimensions in mm