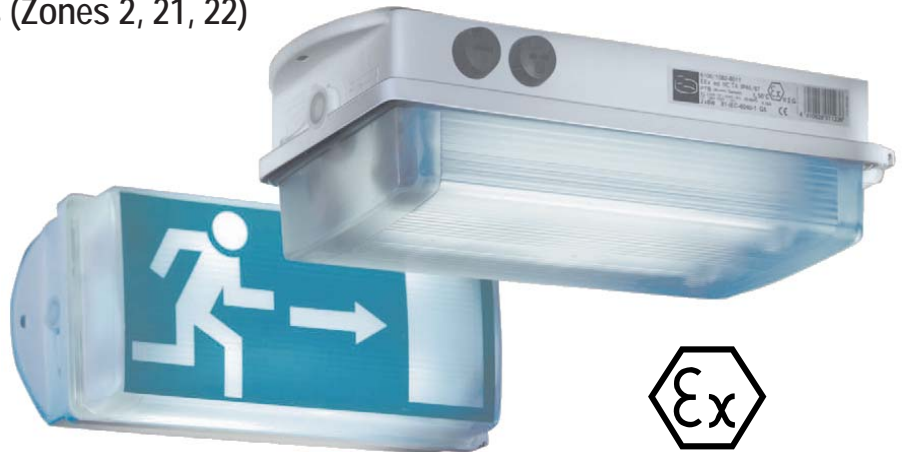


Compact Light Fitting Series

6100 Series (Zone 1) and 6500 Series (Zones 2, 21, 22)

Series 6100 and 6500 compact light fittings can be used for normal lighting, but also as information fittings or as group- or centrally-powered emergency lights.



- With electronic ballast
- Lamps – Fluorescent lamps 8 W, dia. 16 mm, with two-pin base G5 – Incandescent lamps 2 x 40 W or 1 x 60 W (6500 Series) – DULUX-L lamps 24 W (6500 Series)
- Suitable for wall or ceiling mounting
- Can be fitted to order with emergency exit signs
- Central locking
- All-pole disconnection via N/C switch when cover is opened (6100 Series)
- Housing in polyester resin; cover in polycarbonate

To learn more about B-I-A please visit us at our
WEB site: www.BiaGmbH.com



Selection table

Version	Lamps	Lamps	Electronic ballasts	Ordering code	Weight kg
C-LUX 6100 Zone 1	Fluorescent lamp	1 x 8 W	1	6100/1081-80.1-..	2,400
		2 x 8 W	1	6100/1082-80.1-..	2,500
			2	6100/1082-90.1-..	2,900
		3 x 8 W	1	6100/1083-80.1-..	2,600
			2	6100/1083-90.1-..	3,000
C-LUX 6500 Zone 2, Zones 21 and 22	Fluorescent lamp	1 x 8 W	1	6500/1081-80.0-..	2,400
		2 x 8 W	1	6500/1082-80.0-..	2,500
			2	6500/1082-90.0-..	2,900
		3 x 8 W	1	6500/1083-80.0-..	2,600
		2	6500/1083-90.0-..	3,000	
	DULUX L Lampen	1 x 24 W	1	6500/3241-80.0-..	2,400
	Incandescent lamp	1 x 60 W	--	6500/6601-00.0-..	2,150
2 x 40 W		--	6500/6402-00.0-..	2,300	

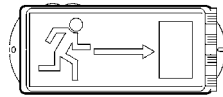
Add. to ordering code

Cable entries Standard:
1 x Cable gland M 25 x 1.5
2 x Plugs M 25 x 1.5 **6.00/.....1-...**

Special:
Specify non-standard entries in writing **6.00/.....9-...**

Emergency exit signs (other signs please see next page) needed only when used as information lights or escape sign lights;
With adhesive symbols positioned as follows:

Mounting position
Standard

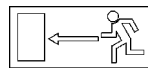


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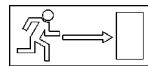
Special please specify other positions in writing

Please specify emergency exit sign number (see below)

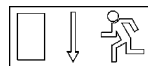
Symbol complying with VGB 125, DIN 4844, DIN 5035;
recognition distance e = 30 m; size 150 mm x 355 mm



Colours Sign white
Background green **6.00/.....-60**














Colours Sign white
Background green **6.00/.....-61**



Colours Sign white
Background green **6.00/.....-62**

Add. to ordering code

Emergency exit	Colours	Sign Background	white green	6.00/.....-91
	Colours	Sign Background	green white	6.00/.....-71
	Colours	Sign Background	red white	6.00/.....-81
	Colours	Sign Background	white green	6.00/.....-92
	Colours	Sign Background	green white	6.00/.....-72
	Colours	Sign Background	red white	6.00/.....-82
	Colours	Sign Background	white green	6.00/.....-90
	Colours	Sign Background	green white	6.00/.....-70
	Colours	Sign Background	red white	6.00/.....-80
	Colours	Sign Background	white green	6.00/.....-93
	Colours	Sign Background	green white	6.00/.....-73
	Colours	Sign Background	red white	6.00/.....-83

Note Compact light fittings can be operated as emergency lighting via a group or central battery system; fittings are supplied without lamps, which must be ordered separately; further escape and information signs available on request.

Technical Data

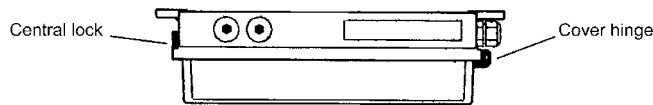
Version	6100 (Zone 1)	6500 (Zones 2, 21 and 22)
Explosion protection		
Gas explosion protection	⊕ II 2 G EEx eds IIC T4	Zone 2: ⊕ II 3 G EEx n A II T4 (T3 for incandescent lamps)
Dust explosion protection	-	Zone 21: ⊕ II 2 D IP66 T ¹⁾ Zone 22: ⊕ II 3 D IP66 T ¹⁾ 1) T85 °C für 8 W-lamps; T68 °C für DULUX-L-lamps; T117 °C for incandescent lamps
Certificates		
for gas explosion protection	PTB 97 ATEX 2119	Zone 2: SNCH 03 ATEX 3558
for dust explosion protection	-	Zone 21: SNCH 03 ATEX 3557 Zone 22: SNCH 03 ATEX 3558
Marking	CE 0102	

Technical Data

Version	6100 (Zone 1)	6500 (Zones 2, 21 and 22)							
Rated voltage	for fluorescent lamps	AC; 220 V - 10% ... 240 V + 10%; 50 / 60 Hz DC; 198 V ... 250 V							
	for Dulux L lamps	AC; 220 V - 10% ... 240 V + 6%; 50 / 60 Hz DC; 176 V ... 254 V							
	for incandescent lamps	230 V							
Lamps		Fluorescent lamps					DULUX L	Incandescent lamps	
	Number of lamps	1 x 8 W	2 x 8 W	3 x 8 W		1 x 24 W	1 x 60 W	2 x 40 W	
	Electronic ballasts	1	1	2	1	2	1	-	
	Rated current	0.088 A	0.135 A	0.176 A	0.2 A	0.223 A	0.11 A	0.26 A	0.35 A
Ambient temperature	- 20 °C ... +50 °C - 5 °C ... + 50 °C (Version 3 x 8 W with 1 electronic ballast)								

Material

Housing	glass fibre reinforced polyester resin; colour: white, similar to RAL 9010
Cover	Polycarbonate
Gaskets	Polyurethane; foamed into cover
Protection class	I (with internal PE connection terminal)
Degree of protection	IP 66 / IP 67
Cover fixing	Central locking using socket spanner M 8 / SW 13; cover hinged for access



Light guides	Reflector painted white; Cover with prism structure providing directed light from fitting
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Connection

Terminal block	in polyamide with cover
Marking	L; N; PE
Terminal size	2 x 4 mm ² for solid cores 2 x 2,5 mm ² for flexible cores

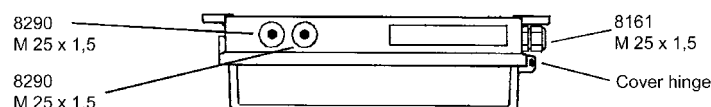
Disconnection

of light fitting on opening	Central locking device with safety interlock; switch 8080 with N/C contacts; when central lock is opened, voltage to ballast is disconnected on both poles; a safety interlock in switching mechanism prevents fitting from being reconnected while cover and central lock are open.	Standard light fitting 6500: without switching off
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Faulty lamp	If lamp is faulty power supply is automatically switched off by electronic ballast
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Cable entries

Standard	1 cable entry 8161 in plastic M 25 x 1.5 and 2 plugs 8290 in plastic, M 25 x 1.5
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Special	Other entries in moulded plastic or metal are available to order - details available on request.
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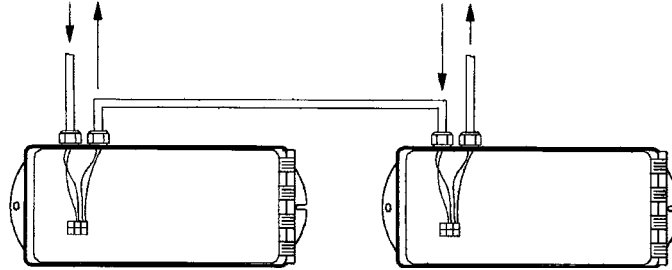
Operating modes

	Mains operation for general lighting or as information lights. Emergency light operation, supplied from group or central battery system for emergency or escape route lighting.
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Technical Data

Installation notes

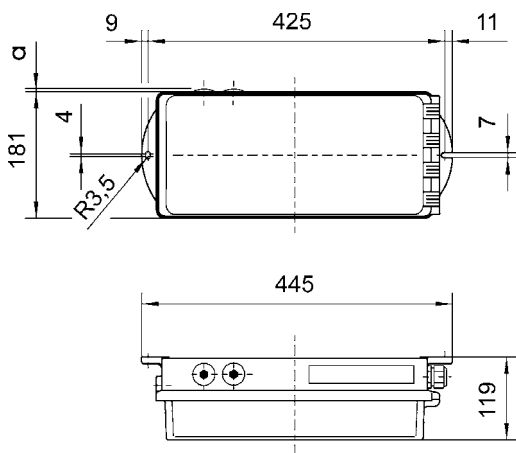
- Mounting Can be wall- or ceiling-mounted
- Looping through of cables 2 leads can be connected to each terminal on the input side, making fittings suitable for looped connection.



Emergency exit signs

- Use for information lights or escape route lighting
- Material Foil, self-adhesive, printed with various pictograms in different colours
- Mounting Foil, stuck to the cover externally
- Options The emergency exit signs available are detailed in selection table
- Recognition distance e = 30 m
- Dimensions see selection table

Dimension drawings (all dimensions in mm) - subject to alterations



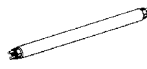
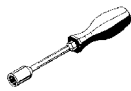
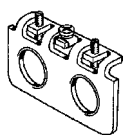
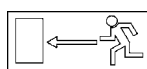
Additional dimensions for cable entries 8161 and plugs 8290

	a (mm)
8161 M 25 x 1.5	32
8290 M 25 x 1.5	6



Emergency exit sign

Accessories and spare parts

Designation	Illustration	Description	Ordering code	Weight kg			
Fluorescent lamps		8 W, \varnothing 16 mm, for two-pin G5 holder					
		Colour of light Light flux cool white 450 lm 10 pc	6100801210	0,300			
Socket spanner		M 8 / SW 13; to operate central locking	8198005400	0,126			
Adapter plate		for use with metal cable glands which are integrated into the earthing system via the stainless steel adapter plates					
		2 x M 20 x 1.5 1 pc 6000819550 0,060 2 x M 25 x 1.5 1 pc 6000820550 0,060					
Emergency exit sign		Adhesive foil					
		Size	150 mm x 355 mm				
		Recognition distance:	e = 30 m				
		Colour					
		Symbol/Text	Background				
			white	green	1 pc	5203600	0,010
			white	green	1 pc	5203610	0,010
			white	green	1 pc	5203620	0,010
			white	green	1 pc	5203910	0,010
			green	white	1 pc	5203710	0,010
			red	white	1 pc	5203810	0,010
			white	green	1 pc	5203920	0,010
			green	white	1 pc	5203720	0,010
			red	white	1 pc	5203820	0,010
	white	green	1 pc	5203900	0,010		
	green	white	1 pc	5203700	0,010		
	red	white	1 pc	5203800	0,010		
	white	green	1 pc	5203930	0,010		
	green	white	1 pc	5203730	0,010		
	red	white	1 pc	5203830	0,010		

We reserve the right to make alterations to the technical data, weights, dimensions, designs and products available without notice. The illustrations cannot be considered binding.