



09275E00

**Sheet-Steel Recessed
Light Fittings in Flat Version
Series 6012 (Zones 1 & 2, 21 & 22)
Series 6412 (Zones 2, 22)**

- With electronic ballast
- For two-pin fluorescent lamps
- As 2- or 4-lamp version
- As recessed light fittings in flat version with 80 mm height
- Powder-coated sheet-steel or stainless steel
- Central lock
- All-pole disconnection via NC switch in positive opening operation when glass cover is opened (Series 6012)
- With hinged glass-cover, with hinged reflector plate

The light fittings Series 6012 and 6412 with an overall height of only 80 mm are perfect for use as ceiling light fittings, especially in paint spraying and coating systems but also in clean rooms.

Zones 1 & 2, 21 & 22

Sheet-Steel Recessed Light Fittings in Flat Version

Series 6012 (Zones 1 & 2, 21 & 22)

Series 6412 (Zones 2, 22)

Selection table					
Design	Lamps		Width mm	Order number	Weight kg
	Lamp wattage W	Number of lamps			
6012 Recessed light fitting (Zones 1 & 2, 21 & 22)	18	2	380	6012/7422-9..1-62.0-1	16.000
		4	480	6012/7524-9..1-62.0-1	24.300
	36	2	380	6012/7442-9..1-02.0-1	26.000
		4	480	6012/7544-9..1-02.0-1	29.900
	58	2	380	6012/7462-9..1-02.0-1	28.300
		4	480	6012/7564-9..1-02.0-1	34.000
6412 Recessed light fitting (Zones 2, 22)	18	2	380	6412/7422-9..0-22.0-1	16.000
		4	480	6412/7524-9..0-22.0-1	24.300
	36	2	380	6412/7442-9..0-22.0-1	16.000
		4	480	6412/7544-9..0-22.0-1	29.900
	58	2	380	6412/7462-9..0-22.0-1	28.300
		4	480	6412/7564-9..0-22.0-1	34.000
Add. to ordering code					
Through wiring	without			6.12/.....0.....	
	with 3 cores			6.12/.....3.....	
	with 5 cores			6.12/.....5.....	
Cable entries	Standard	1 cable gland M 25 x 1.5, 1 cable gland M 25 x 1.5 with integrated plug and 1 plugs M 25 x 1.5		6.12/.....1.....	
		Special	Specify non-standard entries on writing		6.12/.....9.....
Terminal block	with 3 terminals			6.12/.....3..	
	with 5 terminals			6.12/.....5..	
Note The light fittings are supplied without tubes and mounting material. These must be ordered separately.					
Material Standard: Sheet-steel, powder coated Special: stainless steel or stainless steel painted on request					



Sheet-Steel Recessed Light Fittings in Flat Version

Series 6012 (Zones 1 & 2, 21 & 22)

Series 6412 (Zones 2, 22)

Technical Data		
Version	6012 (Zones 1 & 2, 21 & 22)	6412 (Zones 2, 22)
Explosion protection		
Gas explosion protection	⊕ II 2G EEx ed IIC T4	⊕ II 3G EEx nA II T4
Dust explosion protection	⊕ II 2D IP65 T80 °C / T90 °C	⊕ II 3D IP65 T80 °C
Certificates		
Gas explosion protection	PTB 99 ATEX 2029	applied for
Dust explosion protection	PTB 99 ATEX 2029	applied for
Other certificates	Belarus (Promatomnadzor)	
Marking	CE 0102	
Rated voltage	AC: 220 V ... 240 V, 50/60 Hz DC: 198 V ... 254 V	
Nominal operational current	for light fittings version	
	2 lamp 4 lamp	
	18 W 0.18 A 0.36 A	
	36 W 0.33 A 0.66 A	
	58 W 0.49 A 0.98 A	
Power factor cos φ	cos φ ≥ 0.96 capacitive; additional compensation not required	
Operating temperature range	- 20 °C ... + 50 °C	
Lamps	Two-pin fluorescent lamps; 26 mm diameter; for holder G13 2 x 18 W; 4 x 18 W; 2 x 36 W; 4 x 36 W; 2 x 58 W; 4 x 58 W	
Type of protection	IP65	
Protection class	I (with internal PE-terminal)	
Material		
Enclosure	Standard Sheet-steel, powder-coated, colour white, similar to RAL 9016 Special Stainless steel 1.4301 (AISI 304)	
Gasket	EPDM formed gasket	
Lens	Safety glass	
Central lock	Central locking; glass cover hinged for access	
Connection	Line-up terminals, 0.5 mm ² ... 2.5 mm ² solid / flexible	
Version	6012 (Zones 1 & 2, 21 & 22)	6412 (Zones 2, 22)
Switch-off	of light fitting on opening power to ballast is disconnected; switching element with 2 NC contacts in positive opening operation of faulty lamp if lamp is faulty, power supply is automatically switched off by the electronic ballast	of light fitting on opening power to ballast is not disconnected of faulty lamp if lamp is faulty, power supply is automatically switched off by the electronic ballast
End of Life -Abschaltung	The ballast may also be manufactured with a modified electronic circuitry. The electronic ballast, type 6042/9... meets the requirements according to IEC 61347-2-3 (simulation of the „end-of-life-effect“ or fluorescent lamps, test 1: „asymmetrical-pulse-test“ and test 2: „asymmetrical-power-test“ corresponding to the test conditions stated in the draft of IEC 60079-7 ed.4, annex H).	
Cable entries	Standard 1 cable gland M 25 x 1.5 1 cable gland M 25 x 1.5 with integrated plug and 2 plug M 25 x 1.5 Special Specify non-standard entries in writing	
Mounting	Mounting frames with fixing holes are welded-on. Light fitting is inserted into ceiling cut out and fixed via mounting frame. The frames are flush with the glass cover.	

Sheet-Steel Recessed Light Fittings in Flat Version

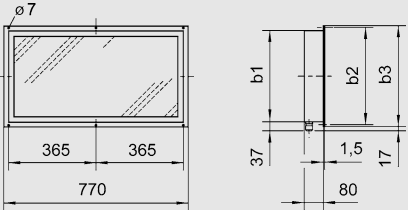
Series 6012 (Zones 1 & 2, 21 & 22)

Series 6412 (Zones 2, 22)

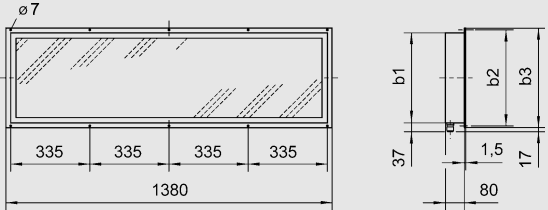
Accessories and spare parts

Name	Illustration	Description	Order number	Weight kg
Fluorescent lamps		18 W 1100 lm	108952	0.100
		36 W 2600 lm	108951	0.200
		58 W 4100 lm	108950	0.220
Switch		Switch element 8080/1-3-L, 2 NC	132527	0.025

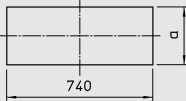
Dimensional Drawings (All Dimensions in mm) - Subject to Alterations



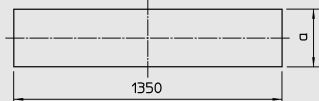
Light fitting
04727e00



Light fitting
04726e00

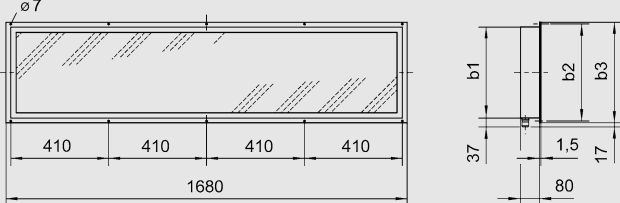


Mounting Cut-Out
Version 18 W
09672e00




Mounting Cut-Out
Version 36 W
09673e00

Version		Maße in mm			
Wattage	Number of lamps	b1	b2	b3	a
18 W, 36 W, 58 W	2	380	405	420	390
	4	480	505	520	490



Light fitting
04725e00



Mounting Cut-Out
Version 58 W
09674e00

Sheet-steel recessed light fittings in flat version 6012 and 6412

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.

