



09275e00

**Sheet-Steel  
Recessed Light Fittings  
in Flat Version  
Series 6012 (Zone 1)  
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 high
- 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

Series 6012 and 6412 light fittings are preferred for use in spraying and painting installations.

# Zones 1 & 2; 22

# Sheet-Steel Recessed Light Fittings in Flat Version

## Series 6012 (Zone 1)

## Series 6412 (Zones 2, 22)

# 7

### Selection table

Version	Lamps		Width mm	Ordering code	Weight kg
	Lamp wattage W	Number of lamps			
6012 Recessed light fitting (Zone 1)	18	2	380	6012/7422-9..1	16,000
		4	480	6012/7524-9..1	24,300
	36	2	380	6012/7442-9..1	26,000
		4	480	6012/7544-9..1	29,900
	58	2	380	6012/7462-9..1	28,300
		4	480	6012/7564-9..1	34,000
6412 Recessed light fitting (Zones 2, 22)	18	2	380	6412/7422-9..0	16,000
		4	480	6412/7524-9..0	24,300
	36	2	380	6412/7442-9..0	16,000
		4	480	6412/7544-9..0	29,900
	58	2	380	6412/7462-9..0	28,300
		4	480	6412/7562-9..0	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...

#### Note

The light fittings are supplied without tubes and mounting material. These must be ordered separately.



### Technical Data

Version	6012 (Zone 1)	6412 (Zone 2, 22)
Explosion protection		
Gas explosion protection	⊕ II 2G EEx ed IIC T4	⊕ II 3G EEx nA II T4
Dust explosion protection	--	⊕ II 3D IP65 T80 °C
Certificates		
for gas explosion protection	PTB 99 ATEX 2029	applied for
for dust explosion protection	--	applied for
Marking	CE 0102	
Rated voltage	AC: 220 V - 10% ... 240 V + 10%; 50/60 Hz DC: 198 V ... 254 V	
Rated 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	
Ambient temperature	- 20 °C ... + 50 °C	

# Sheet-Steel Recessed Light Fittings in Flat Version

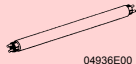

## Series 6012 (Zone 1)

## Series 6412 (Zones 2, 22)

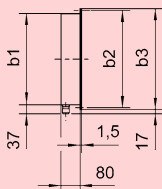
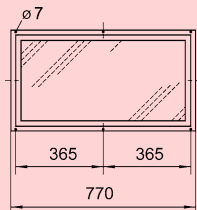
Technical Data	
Lamps	Two-pin fluorescent lamps; 26 mm diameter; for holder G13 2 x 18 W; 4 x 18 W; 2 x 36 W; 4 x 36 W; 2 x 58 W; 4 x 58 W
Protection	IP 65
Protection class	I (with internal PE-terminal)
Material	
Housing	Standard Sheet-steel, powder-coated, colour white, similar to RAL 9016 Special Stainless steel 1.4301 (AISI 304)
Gasket	EPDM formed gasket
Lens	Safety glass
Central lock	Central locking; glass cover hinged for access
Connections	Line-up terminals, 0,5 mm <sup>2</sup> ... 4 mm <sup>2</sup> solid / flexible
Version	6012 (Zone 1)   6412 (Zone 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
Cable glands	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.

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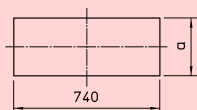
### Accessories and spare parts

Designation	Illustration	Description	Ordering code	Weight kg
Fluorescent lamps	 04936E00	18 W    1100 lm	<b>4617220</b>	0,100
		36 W    2600 lm	<b>4617210</b>	0,200
		58 W    4100 lm	<b>4617200</b>	0,283
Switch	 05651E00	Switch element 8080/1-3-L, 2 NC	<b>8080006600</b>	0,025

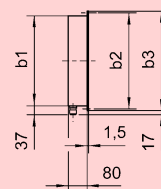
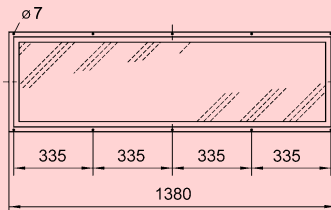
**Dimension drawings** (all dimensions in mm) - subject to alterations



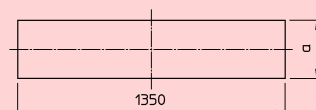
Light fitting



Mounting Cut-Out  
**Version 18 W**

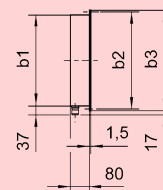
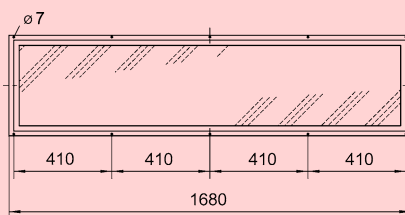


Light fitting

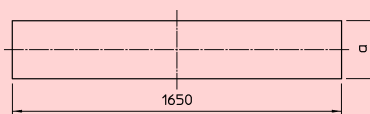


Mounting Cut-Out  
**Version 36 W**

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



Mounting Cut-Out  
**Version 58 W**

**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.

