


Luminaire BS *****

Types of Protection:

 I M2 Ex deq I IP 66
 - 20 °C ≤ T_a ≤ + 40 or + 50 °C

EC-Type Examination Certificate:

IBExU 97 ATEX 1035



Description

The new Ex-luminaire BS ***** , equipped with electronic ballasts, for two-pin or four-pin fluorescent lamps comply with the requirements of the ATEX-Directive 94/9/EC.

Standard through wiring on one side in easily accessible connection compartment provides cost saving installation. Modern economical ballasts, in connection with two-pin fluorescent lamps, contribute to an increase of up to 30 % luminous efficiency in comparison with conventional Fa6-fluorescent lamps.

Characteristics of the Luminaires

- Low weight and design
- Luminaire switches as forced break switches according to EN 60947-1 (IEC 60664)
- Longevity of lamps
- In case of failure of one fluorescent lamp the second one keeps working independently
- Through wiring via Ex e-cable entries M 36 x 1.5 (optionally, other sizes available)
- Big, easily accessible connection compartment
- No colouration of the polycarbonate cover by uv-resistance (optionally available as luminosity intensifying version = 20 % more light)
- All luminaires also available as multi-lamp version
- Luminaires available with different types of enclosures (plastic, sheet steel, sheet aluminium and aluminium section with plastic heads)
- New central locking system with high IP-protection by combined interlocking of enclosure and cover
- No fixed hole-to-hole spacing for suspension to be observed
- **All luminaires can be equipped with the plug-in connector system BS 208*****

Characteristics of the Luminaires with Plug-In Connector System

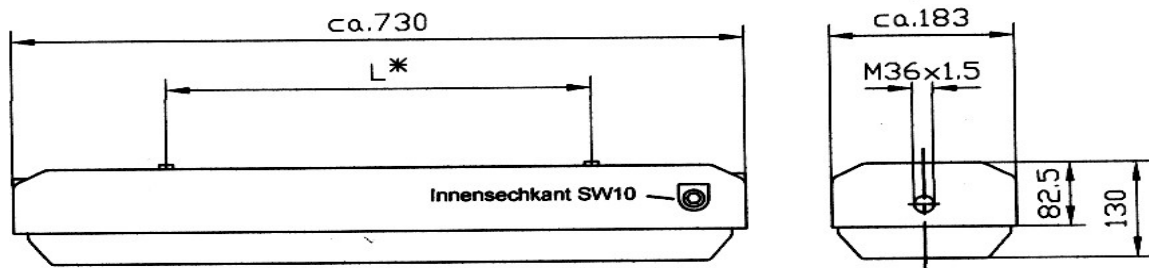
- Time saving while installing the luminaires
- For instructions no skilled staff required
- All luminaires including plug and socket
- Ready-to-use luminaire lines also with plug and socket
- Suitable line terminations for the plug-in connector system (*simple localization of defects*)
- Exchangeable system components
- Also available with plastic, aluminium or aluminium-plastic enclosure

Electrical Data

Type*	Nominal Voltage	Frequency	Wattage	Current Consumption	Dimensions
BS 52...	230 V	0-50/60 Hz	2 x 18 W	0.16 A	730 x 183 x 130 mm
BS 55...	230 V	0-50/60 Hz	2 x 36 W	0.31 A	1340 x 183 x 130 mm

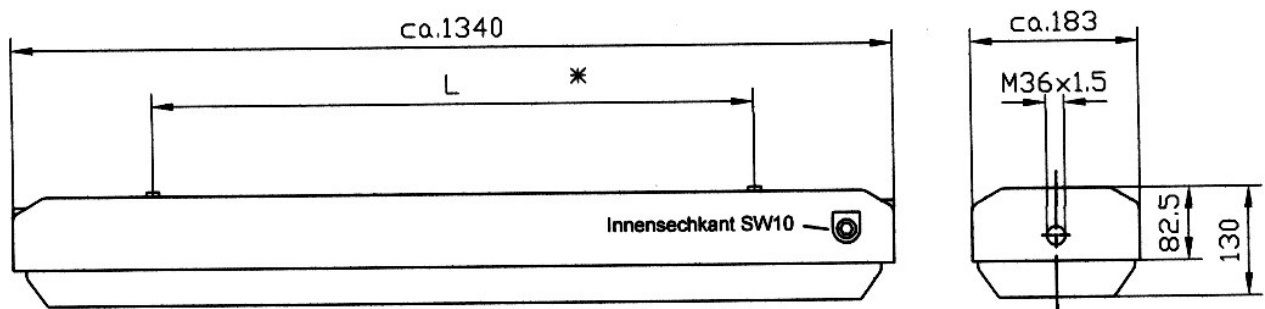
*Other sizes available on request (see type identification key)

Dimensions 2 x 18 Watt (BS 52...)



L plastic	= 200 – 400 mm
L sheet steel	= 400, 500 or 600 mm (on request 100-600 mm)
L aluminium	= 400, 500 or 600 mm (on request 100-600 mm)
L aluminium/plastic	= 100 – 400 mm

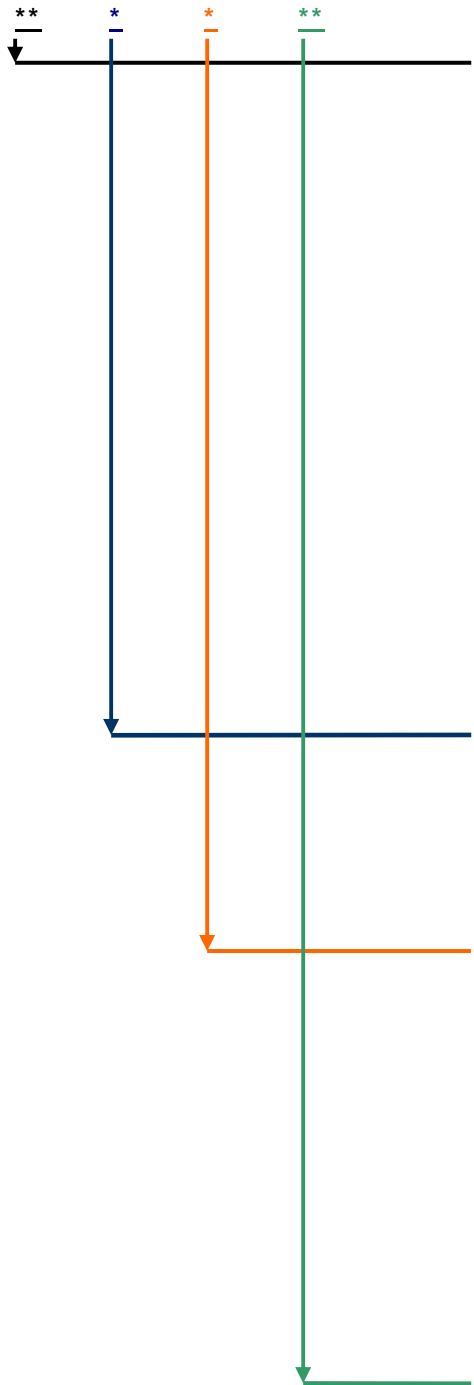
Dimensions 2 x 36 Watt (BS 55...)



L plastic	= 580 (adjustable from 800 – 1000 mm)
L sheet steel	= 600, 700 o. 800 mm (on request 200 - 1200 mm)
L aluminium	= 600, 700 o. 800 mm (on request 200 - 1200 mm)
L aluminium/plastic	= 200 – 1000 mm

Polar Curves of Light Distribution on Request

Type Identification Key

BS


Max. Number of Lamps/Wattage (Fluorescent Lamps G 13)

52	- 2 Lamps 18 Watt	(730 x 183 mm)
53	- 3 Lamps 18 Watt	(730 x 183 mm)
35	- 4 Lamps 18 Watt	(730 x 183 mm)
55	- 2 Lamps 36 Watt	(1340 x 183 mm)
56	- 3 Lamps 36 Watt	(1340 x 183 mm)
65	- 4 Lamps 36 Watt	(1340 x 183 mm)
92	- 2 Lamps 58 Watt	(1640 x 183 mm)
93	- 3 Lamps 58 Watt	(1640 x 183 mm)
94	- 4 Lamps 58 Watt	(1640 x 183 mm)

Max. Number of Lamps/Wattage (Fluorescent Lamps 2 G 11)

34	- 4 Lamps 18 Watt	(730 x 183 mm)
36	- 3 Lamps 36/40 Watt	(730 x 183 mm)
37	- 3 Lamps 55 Watt	(730 x 183 mm)
42	- 4 Lamps 36/40 Watt	(1340 x 183 mm)
43	- 4 Lamps 55 Watt	(1340 x 183 mm)
46	- 6 Lamps 36/40 Watt	(1640 x 183 mm)
47	- 6 Lamps 55 Watt	(1640 x 183 mm)

Enclosure

5	- Aluminium Section with Plastic Heads
6	- Sheet Steel
7	- High-Grade Sheet Steel
8	- Sheet Aluminium, Plastic Coated
9	- Plastic (for Luminaires up to 1340 mm Length)

Connection: Holes/Threaded Sleeves with Blind Plugs

1	- 2x M 36 x 1.5
2	- 2x M 25 x 1.5
3	- 1x M 36 x 1.5 und 1x M 25 x 1.5

Connection: Plug-In Connectors

4	- Plug/Socket
5	- Plug/Socket with Line Termination
6	- Socket/Plug with Line Termination
7	- Plug/ 1x M 36 x 1.5
8	- Socket/ 1x M 36 x 1.5
9	- Plug with Line Termination/ 1x M 36 x 1.5
0	- Socket with Line Termination/ 1x M 36 x 1.5

Special Versions

00	- No Special Version
01	- Cover with Light Intensifying Lenses
05	- Longitudinal Division of Lamp Compartment, 1-3 G13-Lamps Stained and Switch-Selected / Switch
06	- With Test Switch for Line Control
07	- Luminaire for Pole Mounting

Combination of 01, 05 and 06

11	- 01 and 05
12	- 01 and 06
13	- 01 and 07
36	- 01, 05 and 06
59	- 05 and 06