

Linear Luminaire BS ***** (Plastic /Aluminium-Plastic Enclosure)

– **Technical Specifications:**

Linear Luminaire BS *****

Operating voltage AC : 230 V (+20/-30%)

Frequency : 0-50/60 Hz


Type of lamp : L fluorescent lamp (bar shape) or compact fluorescent lamp (U shape)

Lamp holder : Holder for bi-pin socket G13 or for four-pin socket 2G11

Luminaire Type	Lamp Wattage	Rated Current	Approx. Length mm *	Approx. Width mm	Approx. Height mm
BS 52...	2 x 18 W (G13)	0.16 A	733/754	189	130
BS 53...	3 x 18 W (G13)	0.24 A	733/754	189	130
BS 35...	4 x 18 W (G13)	0.31 A	733/754	189	130
BS 55...	2 x 36 W (G13)	0.31 A	1338/1359	189	130
BS 56...	3 x 36 W (G13)	0.47 A	1338/1359	189	130
BS 65...	4 x 36 W (G13)	0.63 A	1338/1359	189	130
BS 92... **	2 x 58 W (G13)	0.50 A	1638/1659	189	130
BS 93... **	3 x 58 W (G13)	0.76 A	1638/1659	189	130
BS 94... **	4 x 58 W (G13)	1.01 A	1638/1659	189	130
BS 34...	4 x 18 W (2G11)	0.31 A	733/754	189	130
BS 36...	3 x 36/40 W (2G11)	0.47/0.52 A	733/754	189	130
BS 37...	3 x 55 W (2G11)	0.72 A	733/754	189	130
BS 38...	2 x 80 W (2G11)	0.72 A	733/754	189	130
BS 42...	4 x 36/40 W (2G11)	0.63/0.70 A	1338/1359	189	130
BS 43...	4 x 55 W (2G11)	0.96 A	1338/1359	189	130
BS 44...	4 x 80 W (2G11)	1.44 A	1338/1359	189	130
BS 46... **	6 x 36/40 W (2G11)	0.94/1.04 A	1638/1659	189	130
BS 47... **	6 x 55 W (2G11)	1.44 A	1638/1659	189	130
BS 48... **	4 x 80 W (2G11)	1.44 A	1638/1659	189	130

* without/with plug connectors

** only available with aluminium-plastic enclosure

– **Type of explosion protection:**  I M2 Ex deq I -20 °C ≤ T_a ≤ +40/50 °C IBExU 97 ATEX 1035

4. + 5. Addition

– **Degree of enclosure protection:**

IP 66

– **Installation and connection**

In the best case scenario, the linear luminaires of type BS ***** may be installed in any position – details see marking of the luminaires. Installation material is provided with the delivery of the luminaires.

The terminal compartments are located beneath the sliding plates near the luminaire heads. There are 2 terminal boards with through wiring, which also could be replaced by a test switch with line end unit.

The mains power supply line is fed through a cable entry into the enclosure and is connected to the relevant terminal board according to the enclosed terminal diagram. For external wiring, exclusive-

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Operating Instructions

ly cables with a minimum temperature stability of 70 °C have to be used. Coming from the other terminal board and going through the second cable entry, the wiring may be led out for connection of additional luminaires or other electrical equipment. One terminal of each terminal board serves as connector for protective ground conductors.

In luminaire versions with integrated plug and socket connectors the internal wiring is already installed by the manufacturer. External wiring is provided by means of cables also equipped with plug and socket connectors.

ATTENTION: In this case, always connect the plug side of the luminaire first – thereafter the socket side!

– **Starting operation**

Before starting operation of luminaires with cable entries care must be taken that the terminals of the connecting cables are properly tightened and the enclosure is tightly closed (check cover and attached components).

– **Repair**

Defect illuminants may be exchanged by the operator himself, under the condition that the installation instructions are regarded. For this purpose the central locking system has to be unlocked using an Allen key 10 mm (across flats) and the translucent cover has to be opened up. After having ensured that the lamp holders are de-energized, the illuminant and the lamp holder are pulled apart in axial direction on one side and then the illuminant is removed from the other lamp holder. Inserting a new lamp has to be performed in reverse order. During the installation attention has to be paid to the firm fit of the lamp holders. Lamp holders with defect contact elements have to be exchanged immediately.

Repairs of explosion-proof luminaires may only be carried out by authorized personnel and by using original spare parts.

– **Note**

- **After opening a luminaire that is still connected to the mains power supply the micro switch must not be operated!**

- **Avoid electrostatic charge! Cleaning of luminaires only with damp cloth!**

- Only components being certified for potentially explosive atmospheres - group I and/or II – (cable entries, plug-in connectors, line end units etc.) may be attached to the luminaires. The degree of enclosure protection IP 66 is only ensured by proper application of tested and certified explosion-proof cable entries, plug-in connectors and other certified attachments. The instructions and conditions stated in the EC type examination certificates for Ex components being installed in or attached to the luminaires have to be regarded.

– **ATTENTION !!!**

Before starting operation store the luminaires in a dry place, protect against moisture!