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LBB 3410/05 Infra-red Radiator



The LBB 3410/05 low power wide beam radiator is used to distribute infra-red signals throughout a small conference venue, enabling delegates to listen to the proceedings by means of personal receivers.

Functions

- Attractive and stylish design
- Built in power supply
- Automatically switches on when transmitter is switched on and vice versa
- LED indicators for radiator status checking
- Adjustable radiator angle ensures maximum coverage
- IREDS protected by a front cover, making the units easy to maintain and clean

Limitations

- Only the first 4 carriers can be transmitted
- Not more than 100 m (328 ft) cable length from transmitter to last radiator
- Direct connection of the radiators to the transmitter with equal cable length. In loop-through connection, the total cable length from the first to the last radiator may not exceed 5 meters.
Reason: there are no facilities on this radiator for compensating the cable signal delay
- Don't use this radiator in combination with LBB 4511/00 and LBB 4512/00 radiators in one system, as the internal signal delay of these radiators is different
- No automatic cable termination: the termination plug has to be connected to the last radiator in a trunk

- ▶ **Economic solution for small conference venues**
- ▶ **Covers up to 200 m² (2150 ft²) with one carrier, 4 standard quality channels**
- ▶ **Automatic gain control ensures the IREDS (infra-red emitting diodes) function with maximum efficiency**
- ▶ **Power output selection for efficiency and economy**

- No communication of the radiator status to the transmitter
- Using this radiator at 105 to 125 V requires internal adjustments

Controls and Indicators

- Green LED to indicate the radiator is switched on and is receiving carrier waves from the transmitter
- Red LED, which illuminates when the infra-red output power of the radiator is reduced to 70% or less of normal output level
- Power reduction switch to reduce the output of the radiator to half-power

Interconnections

- Male mains socket for mains connection
- HF input and output connectors (2 x BNC) for connection to transmitter and loop-through to other radiators

Parts Included

Quantity	Component
1	LBB 3410/05 Infra-red Radiator
1	Bracket for mounting on ceiling, wall and floors stands
1	Termination plug and mains cable

Technical Specifications

Electrical

Mains voltage	105 to 125 V or 220 to 240 V internally selectable, 50 to 60 Hz
Power consumption operating	25 VA
standby	5 VA
Number of IREDS	88
Total IR output	1.8 Wrms 3.0 Wpp
Total optical peak intensity	2.0 W/sr
Angle of half intensity	± 24° vertical, ± 48° horizontal

Mechanical

Mounting	Bracket for ceiling, wall and floor stand mounting with 3/8 in Whitworth thread
Dimensions (H x W x D)	176 x 300 x 125 mm (7 x 12 x 5 in)
Radiator angle	0 to 90° (without steps)
Weight	1.5 kg (3.3 lb)
Color	Black

Ordering Information

LBB 3410/05 Infra-red Radiator

low-power, wide-beam, covers up to 200 m² (2150 ft²), not available in EU countries, Norway & Zwitserland

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