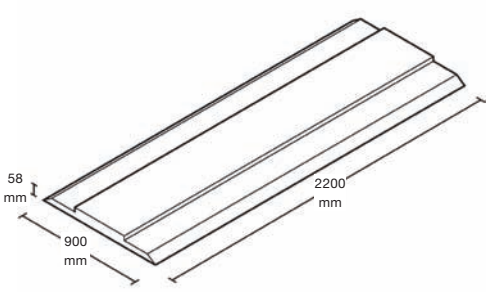
# The Multi-service foil
# Heating, lighting and acoustics specifically designed for the classroom

# The Multi-service foil

**In conjunction with Whitecroft Lighting**




**Product information:**

In conjunction with Whitecroft Lighting, Zehnder has combined their expertise and knowledge in radiant heating with a leading manufacturer of lighting and acoustics. The Multi-service foil combines all the best features of good heating, lighting and acoustics, while allowing other classroom services to be incorporated into its aesthetic design, such as speakers, smoke detectors, fire alarms and sprinkler heads. The Multi-service foil helps create a more appealing ambience with an uncluttered ceiling.

Maximum working temperature: 90$^0$C
Maximum test pressure: 10 bar
Maximum working pressure: 4 bar

**Advantages:**

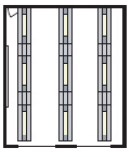
- Fully compliant to Building Bulletin 93
- Quick response radiant heating technology
- Quality lighting
- Acoustic performance
- Easy to install with plug ‘n’ play connections
- Compatible with Building Maintenance Systems
- Minimises a school’s carbon footprint
- Full service integration
- Made to measure options
- Suitable for heating and cooling
- Tested to EN14037, EN12464 and ISO 354

**Technical data:**

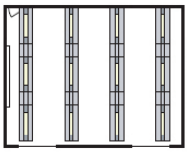
| Area (floor) | Length (m) | Width (m) | Height (m) | Floor area (m2) | No. of assembled 8.2m rafts *1 | Typical heat required per room (Watts) | Average heat output based on system temperature of 75$^0$C *2 |
|---|---|---|---|---|---|---|---|
| Standard Classroom | 8.3 | 7.2 | 3.3 | 60 | 3 | 2400 | 3567 |
| Large Classroom / Science Laboratory | 8.3 | 10.6 | 3.3 | 88 | 4 | 3520 | 4756 |
| Double Classroom / Design Technology | 8.3 | 14.4 | 3.3 | 120 | 6 | 4800 | 7134 |

*1 Each assembled raft consists of 3 x 2.2m foil panels + 2 x infills = 8.2m total length
*2 Radiant panel lengths are dictated by the lengths of the rafts. Infills do not contain radiant heating elements. For this reason, outputs can be altered by adpating system temperatures.

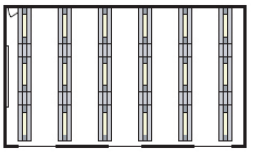
Standard Classroom



Large Classroom / Science Laboratory



Double Classroom / Design Technology



**Further information:**

www.whitecroftlighting.com/foil

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