**Tip: Coach Light Diffuser**

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Hi All,

Just recently there has been some discussion on how people do their coach lighting, so it prompted me to show how I constructed my own light diffuser to keep costs down. The diffuser was cut from a fluorescent light diffuser, the contoured surface of the two parts is mated together. The light through out the coach is quite even and the tin foil stops a bright spot where the lamps are.

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**Fig. 1** Light diffuser in two parts cut 12mm wide x length of coach. Top length has tin foil at light locations, next length has two slots cut through it, to fit the lights mounted on vero board.

**Fig. 2** Light diffuser mounted in a Swiss coach body (#4368) No glue is required see Fig. 5 Note the light locations are approx. 1/3 of the coach length.

**Fig. 3** Side view of the diffuser.

Tin foil held in place by slotted diffuser. The vero board provides heat insulation from the coach roof as well as providing electrical connections to the lamps.

**Fig. 4** Light mounted using IC socket pins.

**Fig. 5** Light diffuser fits in slot at end of coach.

**Fig. 6** Slot cut in top diffuser, tin foil at slot position.

The time taken is about ½ an hour for each coach and the cost is estimated at just a few dollars. Give it a go and see your trains come to life.