

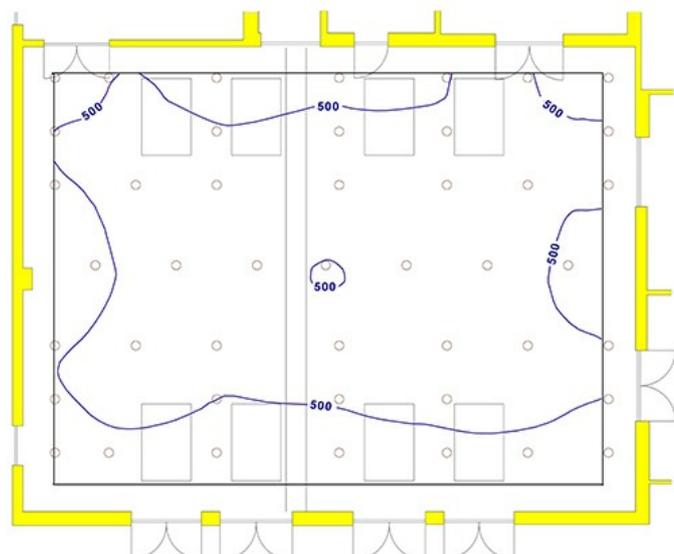
## Relighting of Bessels Green Baptist Church Hall, Meeting Rooms and Crèche.



Lighting Result in the Hall

**Introduction** The hall is used as a multiple purpose room with events ranging from family "get together's" to art classes. The previous lighting could not provide the required levels or give the flexibility to meet these requirements; additionally the lack of luminaires in the area around the roof lights resulted in poor uniformity over the working plane. The decision was made to renew the lighting and we were called in to prepare a lighting design.

**The Lighting Proposals.** To meet the diverse requirements of this area a lighting level of 500 lux with Colour Rendering of  $R_a$  80 was selected. This was considered to be sufficient for the art work undertaken and by using luminaires with regulating control gear the lighting level can be reduced for the less demanding tasks. One end of the hall can be fitted with a stage, consequently the lighting was installed on two dimming circuits, one over the optional stage and the other for the remainder. The playing of handball or soft ball in the hall limited the choice of luminaires as those with parts which would pose a risk of becoming dislodged if hit with a ball were



Perpendicular Illuminance  
Average 519 lux: Min 342 lux: Max 619 Lux: Min/Average 0.660: Min/Max 0.553

Predicted Lighting Result in the Hall

unacceptable. The staggered installation of the ceiling tiles and many roof lights made the design of a symmetrical layout difficult. Some symmetry was achieved by using recessed downlighters with 2 x 26 watt PLC Colour 830 lamps. On occasions the hall can also be used for exhibitions or displays and the design therefore included nine short lengths of track with a limited number of spotlights which could be fitted for such events.

**Meeting Rooms and Crèche.** There is insufficient depth above the tiles for recessed luminaires in these rooms and as they also have very low ceilings slim surface mounted luminaires were installed. The diverse usage of these rooms required a lighting level of 300 lux again being controlled by a dimmer so that the correct ambiance can be achieved.



Replacement Lighting in the Meeting Room / Crèche

Picture



Qty

Manufacturer  
Catalogue No.

Description