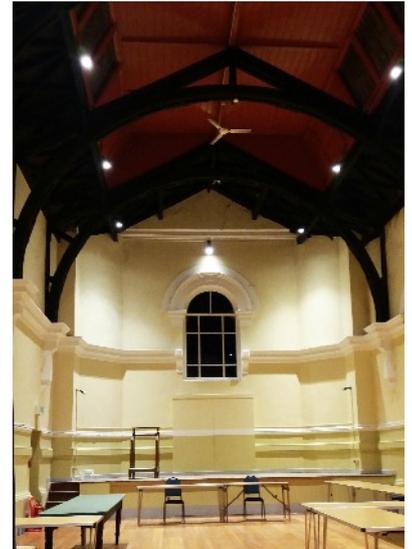


Relighting of the Old Hall in Eye Town Hall, Suffolk.



New interior lighting at Eye Town Hall

This Victorian Hall is a Grade 2 listed building which is undergoing renovation and was lit by fluorescent industrial reflectors suspended from the high ceiling. These detracted from the architectural qualities of the room, were difficult to maintain because of the high mounting height and were crudely switched making changing the ambience of the room difficult.

The Eye Town Hall Improvements Company (ETHIC) decided that the relighting of the area was necessary and asked us to prepare lighting proposals.

The brief was to provide a design which would:-

- provided sufficient light for the activities which are carried out in the area
- reduce the need for regular maintenance to a minimum
- complement the architectural features
- be controlled to suit the various events held in the hall.

These requirements dictated that:-

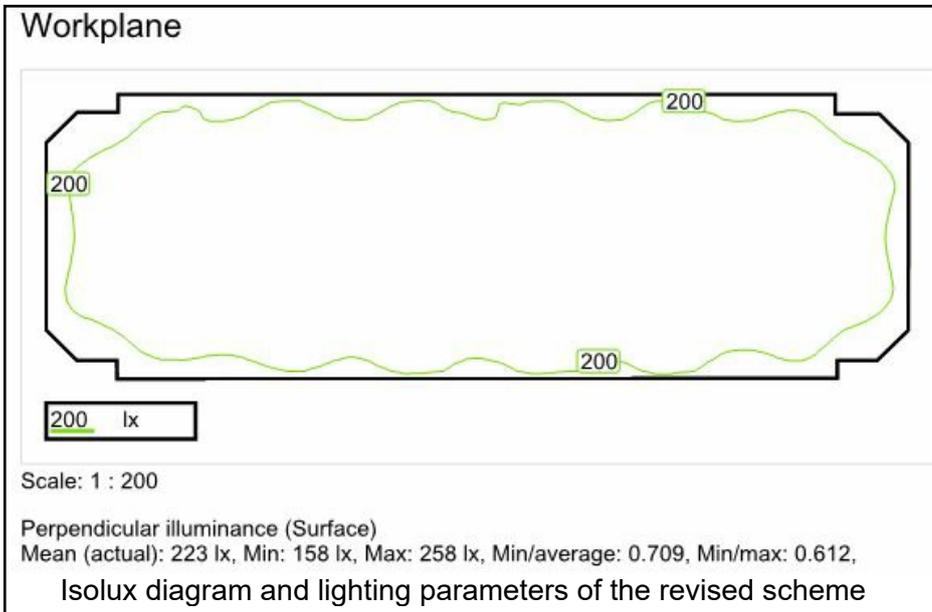
- long life lamps should be used to minimise maintenance
- luminaires were mounted high in the roof to reveal the architectural lines of the building
- the luminaires were capable of being dimmed to allow changes in ambience for the various functions taking place in the hall.

The choice was made to use Philips DALI dimming LED spotlights fixed to the beams just below the roof windows and finished black so that they blended in with the dark wood.

The Initial proposal was submitted to light the area to 4-500 lux using a total of 28 luminaires, which would allow it to be used for the full range of activities likely to be carried out in an area such as this. However after a trial of two of the luminaires the ETHIC committee felt that the lighting level achieved in the trial area was sufficient as the usage at present ranges from Zumba and Pilates to Parties, Dances and Public Meetings.

A revised scheme with 14 luminaires was prepared but the installation was to be made using longer track lengths so enabling an upgrade to be made at a future date if it was found desirable. It was also decided that the area should be controlled in three zones giving the lighting result greater flexibility.





In keeping with fire regulations an emergency lighting scheme was prepared that ensured that a minimum lighting level of 0.5 lux was achieved over the area. Exit signs already existed and did not need to be replaced.

In the autumn of 2016 an Electrical Contractor was appointed and the equipment purchased. It was decided that the two luminaires which had been used for the trial were also to be used one being mounted at each end.

The original proposal had been for three separate circuits to be run to the roof space but it was found that

getting an electrical supply through was so difficult that it would be cheaper to provide one circuit and rely upon the DALI system to switch and dim the luminaires in the three zones. This had the advantage that the areas could be reconfigured at a later date without changing the wiring should it be necessary. A single neat switch panel was to be installed in place of the three dimmer switches. The DALI system was configured using the Philips Dynalite user interface and the three button panel was configured to provide simple dimming options for each zone.

Work commenced on the installation of the system in October and was completed within nine days.

The Hall has been handed back to the ETHIC committee and it is understood that the results have been well received by everyone.

Lighting equipment used.

Picture				
Qty	14 (+2)	4	28	1
Manufacturer	Philips Lighting	Philips Lighting	Philips Lighting	Philips Dynalite
Catalogue No.	ST750T LED49S/830	SM 2 Spot LED EM LUM	RCS 750 5C6 + Accessories	PABPE - WW - X + Accessories
Description	StyliD 49w Wide Beam Spotlight Black	2 Spot Emergency Luminaire	Dali Track Black	Three button push button panel

Acknowledgments

Client	Eye Town Hall Improvement Committee.
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Electrical Contractor	Needham Electrical Ltd Maitland Road, Needham Market. Ipswich IP6 8NZ 01449 722642