

Sun-Light Solutions light up Professional Hair Care Studios with White Light.

CASE STUDY



Night and day difference in white light upgrade.

Sun Light Solutions dealer AHM Workspace, the office fit out specialist based in the North East of England, invited SLS onboard to upgrade the incandescent white light within the design studios and meeting rooms of an educational hair care specialist studios in Manchester UK.

The Challenge

SLS were invited as a lighting consultant to investigate the upgrade of ineffective and energy hungry lighting within the educational studios and meeting rooms of this world renowned hair care company. Heat generated by the old ineffective lighting created an uncomfortable environment for the users of the studios. Further requirements were to create high quality white lighting onto the mini stage, where very fine details of hair colours and styles were being worked upon in quite intense sessions of design. The rooms, being dwarfed by other local buildings, were suffering from a lack of natural daylight. A cleaner line within the ceiling grid was also desired. Independent lighting control of the six circuits of light in the studios was extremely important to the client, who were looking to upgrade from purely turning the lights on and off at wall switches, to intelligent iPad control.

The Solution

The decision was taken to replace the ageing circular house lights in each room with 120 degree, rear lit flat panel LED lights, these natural lights with a 4000K, 3600 lumens and 38W per fixture, offer superb natural light and lower the energy consumption tremendously. The 600mm x 600mm tile sit perfectly within the ceiling grid offering the desired clean lines in the ceiling. These fixtures are driven by a series of constant current DMX drivers with onboard mains supply.

The perimeter lights in each room were upgraded from halogen down lights to high quality white, Xicato Artist series 4000K LED down-lights with 1000 lumen and 40 degree reflectors, again these fixtures are driven by a series of constant current DMX drivers with onboard mains supply.

A new lighting track system was designed and installed offering two circuits of DMX for forward and rear facing stage lights. Replacing a series of ageing metal halide fixtures with six white, Xicato Artist 4000K rotating track lights with a 98 colour rendition index (CRI), offering 1300 lumens, 40 degree reflectors with on board DMX drivers were fitted to the rear facing track. Twelve white, Xicato Artist 4000K rotating track lights with a 98 CRI, offering 1300 lumens, 40 degree reflectors with on board DMX drivers were fitted to the forward facing track.

The multi-space amBX Light-Scene Engine was deployed to offer the six circuit wireless lighting control, utilising a bespoke and client branded iPad App, offering the selection of circuits and one of the five light-scenes desired. The Light-Scenes are 100% on, 75%, 50%, 25% dimming and all off.

Italian halogen down lights fitted in the meeting rooms and training salon were replaced by a modern twist on the same fitting. A single white gimbaled, Xicato Artist LED 4000K, 1000 lumen for the meeting rooms and for the salon a twin white gimbaled, Xicato Artist 4000K, 1000 lumen fitting was used above each of the 16 hair dressing stations.

New emergency lights were fitted to each space.



System details:

- **DMX lighting control:**
amBX Light-Scene Engine
Ambient.
- **System interface:**
SLS bespoke design iPad App.
- **Lighting Fixtures:**
UK manufactured Xicato Artist Series down lights,
Track lights & gimbaled down lights - All with CRI 98RA
Rear lit flat panel LED lights.
DMX drivers
Dali Track system.
- **Partner Name:**
AMH Workspace Ltd.



www.amhworkspace.com

The spaces are transformed into high quality environments with perfect natural lighting and simple to use lighting control.

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A step change in low heat generated by upgrading to modern LED lighting.

The Result

The results are a major step forwards in the way that these rooms will be used in the future. The multi-space amBX Light-Scene Engine offers simple, effective and intelligent remote controlled lighting by selecting a Light-Scene desired for each circuit. The benefits are that the rooms can be set up just the way the clients function is required. The bespoke iPad App offers an instant vision of the room settings and is easy to use by the multiple users of the rooms.

The natural daylight offered by the flat panel LED room lights is amazing, turning the rooms from gloomy spaces into bright, cooler, comfortable environments to work in, offering less fatigue for the users of the spaces. The panels also deliver the desired clean lines within the ceiling grid. The perimeter Xicato Artist series LED down-lights create a bright halo effect around the room and reflect perfect light cones onto the walls.

The 360 degree rotating track lights with the world renowned Xicato Artist series LED modules are perfect for setting the light scene for any occasion on the stage. The ability to re position fixtures upon the track allows for the precision creation of high quality hair design. Fine hair colours and minute detail can be achieved and the space can be set up for many differing events.

The level of quality lighting in the training salon has dramatically risen to a higher level plus the meeting rooms have transformed into high quality environments with perfect natural lighting and simple to use lighting control.

Full design, supply, installation and implementation of the lighting system was carried out by Sun-Light Solutions under direction of AMH Workspace, where full health & safety and WEEE directives were adhered to.

 **Sun-Light Solutions**



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