



LIGHTCENTRE THE NEWS.

THE UK LIGHTCENTRE NEWSLETTER - MARCH 2013



ZUMTOBEL

Welcome.



Welcome to the first edition of our brand new 6 monthly newsletter Zumtobel LightCentre –The News.

LightCentre – The News. brings you the latest information on our LightCentre, including; events we have taking place, new luminaires launched and the latest lighting technology and research.

We also welcome your suggestions for LightCentre related topics you would like to see featured in future editions.



The opening.



July 2012 saw the official opening of the new Zumtobel UK Office and LightCentre (see photos opposite), the 21st and latest worldwide LightCentre for the Zumtobel Group.

The launch attracted quite a crowd with in excess of 200 attendees over a 2 night period 4th and 5th July 2012.

Guests were welcomed into our exquisite facility through a tunnel of light. Drinks and canapés were served on arrival and visitors were then given the opportunity to browse around the LightCentre at their perusal. We had some really fantastic comments and feedback from all that attended.....



What you said.



Stewart Bell of JWA Architects commented "***Thank you to Zumtobel UK for showcasing their fabulous new Chiltern Hill offices and LightCentre***".

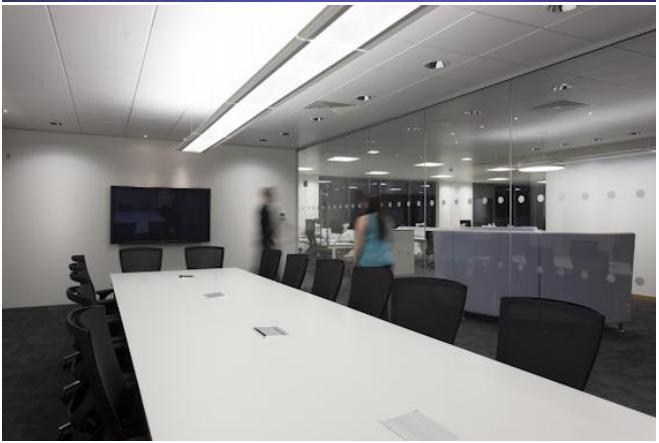


"I would like to thank you for the invitation and wonderful evening in your new offices. The place looks really great and must be a real pleasure to work in". commented Marek Monczakowski of Arup Associates.



Colin Thorpe of CBS Design Consultants also commented "***Thanks very much it was a good evening, the building is very impressive, I like your breakout areas with the high backed seating***".

Your LightCentre.



Zumtobel UK's move to Chalfont St. Peter, involved the purpose-design and construction of one of our most modern and inspirational LightCentres. Covering an area of 340 m² and easily accessible from London, the state-of-the-art facility is not only a showcase for our comprehensive range of lighting solutions, it is also a place to meet lighting professionals and those with a passion for light.

The concept of the LightCentre is to demonstrate our lighting knowledge and expertise.

With a complete range of lighting design concepts on display, visitors can learn and experience our innovative lighting techniques through our Application Spaces, known as 'App Spaces'.

We are showcasing the latest in LED lighting technology combining energy saving with lighting quality. There are an array of interesting and practical demonstrations throughout the Centre.

Your needs.



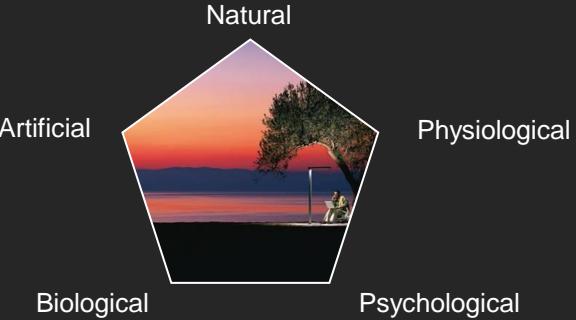
Having been operating in the UK for 26 years we have been fortunate enough to provide lighting solutions to some of the most exquisite and iconic buildings and have helped drive forward innovation, market education and best practice lighting. Our fundamental philosophy, 'lighting quality is paramount', remains unchanged. The LightCentre will help drive our concepts and innovations even further and is a direct response to growing business and the need for extra space to demonstrate our capabilities and deliver a personalised customer service.

"The LightCentre is based on an application cube concept allowing us to provide hands-on presentations and demonstrations of our lighting concepts for every application, including offices, retail, culture, education, health, and façades. Authentic staging makes it possible to experience light and its effects in a completely unique way. This enables us to cater to the specific requirements of our customers and demonstrate alternative solutions" comments Steve Shackleton, Zumtobel Lighting UK's Marketing Director.

Our LightCentre is available for free hire to host your meeting or corporate event. We have the facility to accommodate up to 300 people for an informal standing event and up to 65 for a seated meeting or presentation. To reserve the Centre please e-mail us at LightCentreUK@zumtobel.com or telephone 01753 482662.

A Light Less Ordinary Symposium

**Creating
inspirational and
sustainable
lighting designs
whilst managing
a balance
between people
and technology**



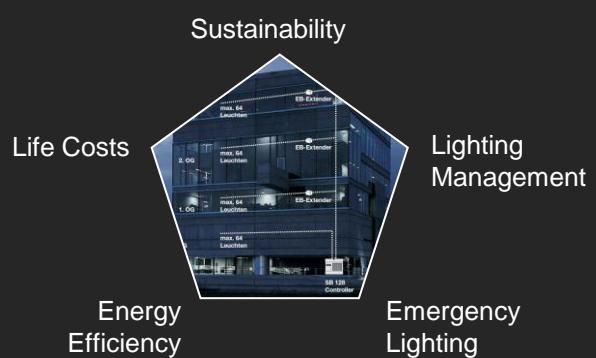
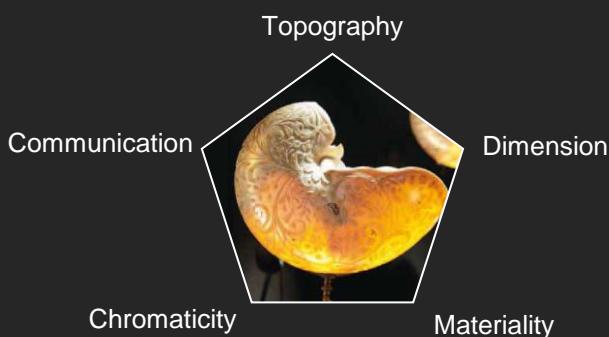
Human.



- Artificial lighting has no purpose without humanity.
- Light is essential for all life on Earth.
- People depend on light to see and for health.
- People love being in daylight and need natural changes to aid in their circadian rhythms.
- All lighting solutions should consider their effect on people.
- Good lighting solutions aid productivity and reduce mistakes.
- People prefer lower illumination levels than recommended by current guidelines.
- Older people require more light therefore it is important to ensure there is sufficient lighting and controls.
- Exposed light sources create glare and fatigue and should be avoided where possible.
- Studies show that in general males prefer diffused lighting and cool colour temperatures whereas females prefer the opposite.
- New technologies such as iPads and laptops call for a new approach to lighting design.
- It is important to stay up-to-date with the latest information on LEDs and new technologies.



- Light is essential for all life on Earth.
- People have evolved to the natural progression of the natural sun and daylight.
- Natural daylight changes in colour temperature, direction and intensity over time.



Inspiration.



- Nothing can be visually enjoyed without sight and light.
- All lighting solutions should consider the effect light will have on material, texture and colour.
- Different building designs call for different approaches to lighting.
- Lighting can trick people into thinking something about a space or item that is untrue.
- LED binning, colour temperature and colour rendering are important to consider when looking at different applications.
- Art is created by artists to portray a particular ideal and it is important to represent that with the correct use of light.
- Coloured light can be used instead of paint to decorate surfaces and change the use of a space.
- Coloured light effects us biologically, physiologically and psychologically.
- Dynamic lighting solutions attract attention and steer the eye.
- Brightness (luminance) is more important than illuminance.



- Colour temperature is more important and more significant in showing colour than the colour rendering.
- Lighting solutions should be balanced between accent and diffused lighting.

Purity.



- Preventing wasted energy and material usage is the best way to save the planet.
- On average artificial lighting creates over 30% of the carbon emissions from buildings in the UK.
- LED modules can be replaced easily if the right luminaire is installed.
- LED emergency luminaires use far smaller batteries than conventional lamp conversions and are safer and smaller than conventional lamp conversions.
- At Zumtobel Lighting (UK) we have an on-going commitment to continuous improvement striving for reductions in our and our clients impact.
- The new building regulations 2013 Part L2A will introduce the Lighting Energy Numeric Indicator (LENI)
- The ecoCALC energy comparison software is available to download free on the Zumtobel website.
- Daylight is best measured with a rooftop Sky-scanner than measures real values of light intensity and directions

APPROVED
DOCUMENT

L2A

L2A

- Lighting controls save energy, create dynamic lighting scenes and work with daylight to combat disconnection from the outside world.
- Good quality LED downlights use 50% of the power of fluorescent lamps and create 300% more light.

2013 events.



January:

Wednesday 30th: The University of Glamorgan Visit

Thursday 31st : '*A Light Less Ordinary'* Symposium - Scottish / NE & Central & Northern Teams

February:

Monday 11th: The Institute of Engineering & Technology Visit

Thursday 14th: '*A Light Less Ordinary'* Symposium - City & Home Counties Teams

2012 Zumtobel Photographic Competition Winners Luncheon

March:

Thursday 14th: '*A Light Less Ordinary'* Symposium - City & Home Counties Team

April:

Thursday 18th: '*A Light Less Ordinary'* Symposium - City & Home Counties Team

May:

Thursday 9th – Friday 10th: Global Sales Meeting (GSM).

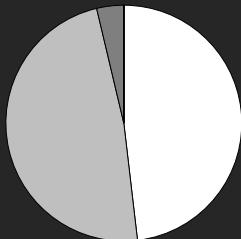
How did we do.



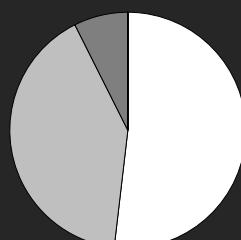
Questionnaires received: 37

Questionnaires with all Excellent: 9

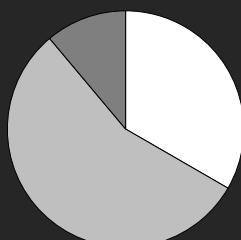
Seminar Briefing Details



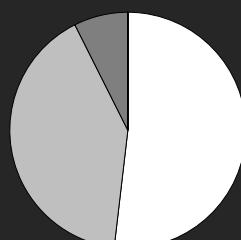
Demonstrations



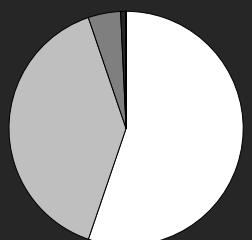
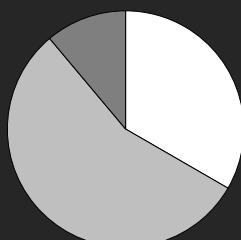
Contents



Lunch



Overall



- Excellent
- Very Good
- Good
- Average
- Poor

This year.



We are now launching '*A Light Less Ordinary*' 2013 series. With an optimistic approach, we look forward to meeting many more of our clients and customers in the year ahead.

If you have a topic you would like featured in LightCentre - The News, to reserve a place on our symposium or to book the LightCentre for a meeting or event please e-mail LightCentreUK@zumtobel.com or telephone 01753 482662.

We look forward to hearing from you!



Your comments.



Symposium future.



Some Requested New Topics:

- Future Technologies and Advancements
- How Lighting Works
- Lighting Controls
- LED Control
- Lighting Guides
- Product Design for LED
- Programmable Displays
- Elaboration on Recent Projects

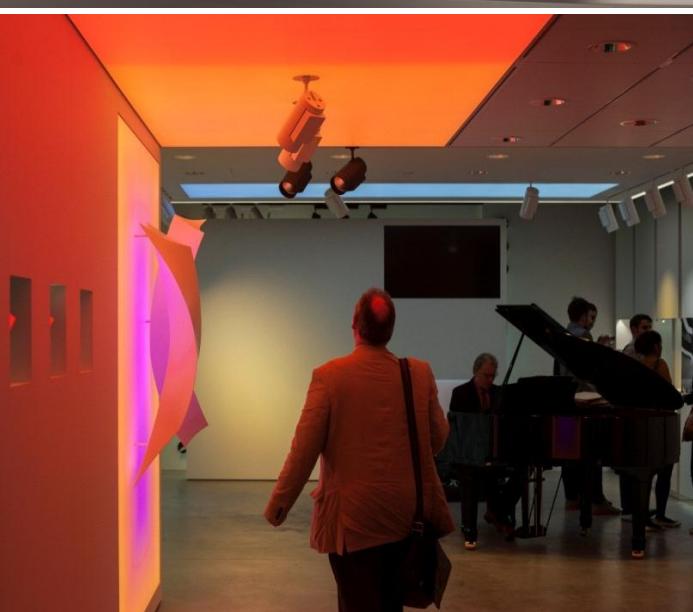


All lighting featured in the UK LightCentre is continuously evolving and updated in line with the latest energy figures, technology and design trends.

With the continuing research and development undertaken by Zumtobel Lighting we are constantly gaining more lighting knowledge. This means that every time you visit us there will be something new to see and new ideas to discuss.

In The Future:

- We will add more technical information on present and future technologies
- We will talk about protocols DALI vs. DMX and different control options
- We will show more detail of the LED Media walls and ceilings
- We will have products available to you during the day
- We will demonstrate good practice LED optic and heat control with samples
- We will take apart a luminaire and show you its construction
- We will create hand-out materials from our presentation material. Full application brochures are always available from a member of staff
- We endeavour to add your new topics into the symposium, however we are happy to hold dedicated training days for you in any application area that you request.



Case study.



Strong accent lighting is very dramatic but does little to show the true form of a sculpture.

Depending on the emotion behind the sculpture, the direction of the accent lighting should be considered to pick up on sides that will portray the artists vision.

The diffused side lighting of the background granite wall creates shadows in its texture.



A mix of diffused and accent lighting shows form and creates drama.

Accent lighting should be between 2-3 times brighter than the average diffused levels for impact.

Accent lighting creates attractive shadowing on the back wall.

The warm colour temperature does not show the true aspects of the cold and hard concrete material.



Backlighting of surrounding surfaces can impact the psychology of the display.

The combination of cool surrounding lighting and the cool accent and diffused lighting make the material appear cold and hard.

The granite textured wall in the background looks good, but different under different colour temperatures.

The glimmer in the granite is brought out by the use of accent lighting.



Sometimes not lighting the display at all can have a greater effect than lighting in.

By lighting the back wall it makes the object jump out at you.

Because the sculpture is not lit it appears colder and harder than it does when it is lit from the front with cool accent lighting.



LIGHTCENTRE
THE **NEWS.**



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