



LUCI

ANNUAL REPORT 2012

www.luciassociation.org



Editorial

The year 2012 was marked by the second change of Presidency in the history of LUCI, and I would like to first give my warmest thanks to the outgoing President, Councillor Allan Stewart, and his team from Glasgow. They have done an exceptional job over the past two years and have actively contributed to the network's progress and development.

It is a real honour for the City of Ghent to now assume this role of President, which is coherent with our city's strong engagement on the topic of light for many years now.

This change of Presidency took place in Medellin (Colombia), during a memorable LUCI AGM which was marked by the association's 10th anniversary. A unique occasion to look back on a decade of networking in which LUCI has addressed some of the major issues cities today are confronted with: reducing the energy bill and the environmental impact of human activities, improving citizens' quality of life, developing city marketing strategies, etc.

These topics have been addressed through events and activities that have multiplied over the years and whose quality has regularly improved.

The year 2012 was but yet another proof of this continuous progression.

The City under Microscope events organised in Eindhoven and Jyväskylä brought together a record number of participants and included innovative and original formats, making these events even more interactive and participative.

This year also saw LUCI's activities develop in new directions: projects within the framework of the LUCI Commissions have led to the realisation of a publication on tourism and lighting and to the elaboration of an evaluation toolkit on light festivals. The first edition of the Lyon Light Festival Forum has also opened a new space of discussion and debate for cities and light artists.

Last but not least, in 2012, LUCI also finalized the EU INTERREG IVC PLUS project led by the City of Eindhoven, with the publication of a magazine and a guide on public lighting strategies for cities.

I would like to thank the cities that have participated in developing these various activities which give all its substance to the network. I look forward, in 2013, to continuing on this path, with LUCI's projects and events bringing even more support to cities in developing their sustainable urban lighting strategies and projects.

Martine De Regge
Deputy Mayor of Ghent
President of LUCI

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About LUCI

Created in 2002 at the initiative of the City of Lyon (France), LUCI (Lighting Urban Community International) is an international network of cities on urban lighting. The network brings together 66 municipalities on 6 continents engaged in using light as a tool for sustainable urban development. It also includes 35 lighting professionals and companies as associated members.

Through the organisation of international events and conferences, and its involvement in various lighting projects and research, LUCI creates spaces for exchange of knowledge and good practices in sustainable urban lighting.

www.luciassociation.org



The LUCI team

The LUCI office is based in Lyon (France) with a permanent staff composed of three persons.



Alexandre
Colombani
General Manager



Albane
Tabaka
Project Manager



Nikita
Junagade
Communication Officer

LUCI Executive Committee



Martine DE REGGE
LUCI President
Deputy Mayor of Ghent

This year, the City of Glasgow (U.K.), passed on the Presidency to the City of Ghent (Belgium), at the LUCI General Assembly held in Medellin (Colombia).

The City of Gothenburg (Sweden) was elected new LUCI Vice President and the City of Lyon (France) was appointed as Treasurer.



Anneli HULTHEN
LUCI Vice President
Mayor of Gothenburg



Jean-Michel DACLIN
LUCI Treasurer
Deputy Mayor of Lyon
Honorary President of LUCI

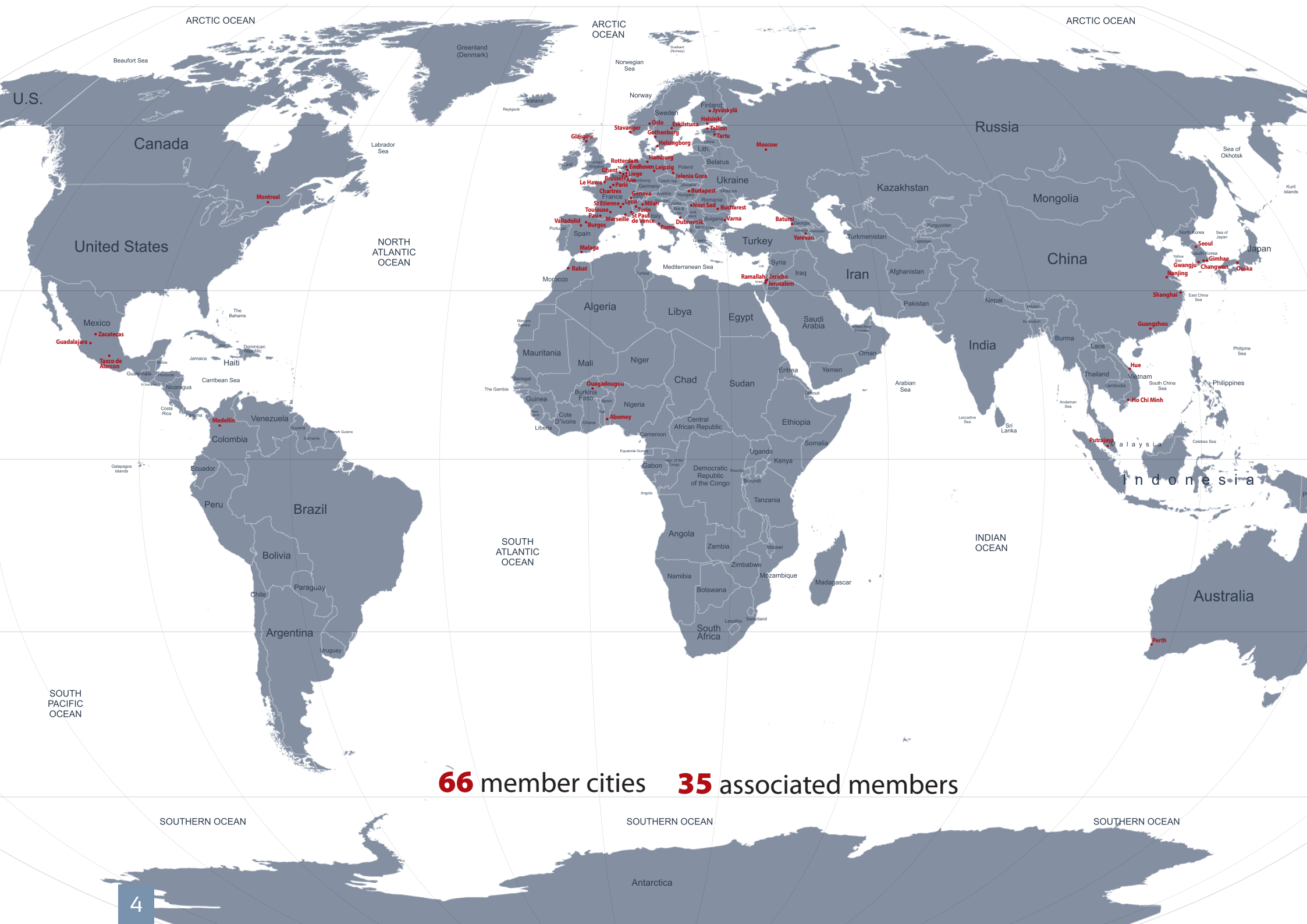
LUCI is governed by an Executive Committee composed of nine city members (voting members). In 2012, the Cities of Eindhoven, Glasgow and Leipzig were elected as new members of the Executive Committee.

- | | |
|-------------------------------|-----------------------|
| ▪ Chartres (France) | ▪ Gothenburg (Sweden) |
| ▪ Eindhoven (The Netherlands) | ▪ Hamburg (Germany) |
| ▪ Ghent (Belgium) | ▪ Leipzig (Germany) |
| ▪ Glasgow (U.K.) | ▪ Lyon (France) |
| | ▪ Seoul (South Korea) |

It also includes three representatives from amongst the associated members (non voting members):

Philips | Schröder | Thorn Lighting





66 member cities **35** associated members

66 member cities *

- Abomey (Benin)
- Ans (Belgium)
- Batumi (Georgia)
- Brussels (Belgium)
- Bucharest (Romania)
- Budapest (Hungary)
- Burgos (Spain)
- Changwon (South Korea)
- Chartres (France)
- Dubrovnik (Croatia)
- Eindhoven (The Netherlands)
- **Eskilstuna (Sweden)**
- Ghent (Belgium)
- Geneva (Switzerland)
- Gimhae (South Korea)
- Glasgow (United Kingdom)
- Gothenburg (Sweden)
- Guadalajara (Mexico)
- Guangzhou (China)
- Gwangju (South Korea)
- Hamburg (Germany)
- **Helsingborg (Sweden)**
- Helsinki (Finland)
- Ho Chi Minh (Vietnam)
- Hue (Vietnam)
- Jelenia Gora (Poland)
- Jericho (Palestinian Territories)
- Jerusalem (Israel)
- Jyväskylä (Finland)
- Le Havre (France)
- Leipzig (Germany)
- Liege (Belgium)
- Lyon (France)
- Malaga (Spain)
- Marseille (France)
- Medellin (Colombia)
- Milan (Italy)
- Montreal (Canada)
- Moscow (Russia)
- Nanjing (China)
- **Novi Sad (Serbia)**
- Osaka (Japan)
- **Oslo (Norway)**
- Ouagadougou (Burkina Faso)
- Paris (France)
- Pau (France)
- Perth (Australia)
- Putrajaya (Malaysia)
- Rabat (Morocco)
- Ramallah (Palestinian Territories)
- **Rome (Italy)**
- Rotterdam (The Netherlands)
- Saint Etienne (France)
- Saint Paul de Vence (France)
- Seoul (South Korea)
- Shanghai (China)
- Stavanger (Norway)
- Tallinn (Estonia)
- **Tartu (Estonia)**
- Taxco de Alarcon (Mexico)
- Toulouse (France)
- Turin (Italy)
- Valladolid (Spain)
- Varna (Bulgaria)
- Yerevan (Armenia)
- **Zacatecas (Mexico)**

35 associated members *

- Alain Guilhot Lumière
- **Amsterdam Light Festival**
- Artichoke
- ARTLUMIERE
- Blachère Illumination
- **Budotechnika**
- CDO LumiVille
- Citelum
- Cluster Lumière
- Cobalt
- Côte Lumière
- Danish Lighting Innovation Network
- Eandis
- GE Lighting
- Inéo
- INSA de Lyon
- Institute of City Planning Duisburg Essen
- L'Acte Lumière
- Leipziger Leuchten
- Les Eclaireurs
- Messe Frankfurt
- **Orpin de Lune**
- **OnLive Eventos**
- Partenariat du Quartier des spectacles - Montréal
- Philips Lighting
- **Pitaya**
- Radiance 35
- **Sacred Places**
- Sapa Pole Products
- Schröder
- Thorn Lighting
- **VNISI**
- Xavier de Richemont
- Yang Guang Lighting Service
- ZHONGTAI Lighting

* New members in red

New LUCI members



Eskilstuna (Sweden)

Eskilstuna, a central Swedish town with approximately 98 000 inhabitants, is an industrial city in transition. The city is characterized by several transformation projects where industrial zones are converted to urban areas. As a municipality with a distinct environment-friendly profile, one of the main goals of Eskilstuna's lighting plan is to save energy. The city, which is gradually switching to more energy efficient light sources, also sees this as a good opportunity to explore how public spaces and paths can be treated in a more sophisticated manner. *"Through LUCI, we want to get inspiration from other cities that work consciously with lighting, and learn from their experiences and strategic work,"* says Karin Ermegård, Landscape Architect with the City of Eskilstuna.



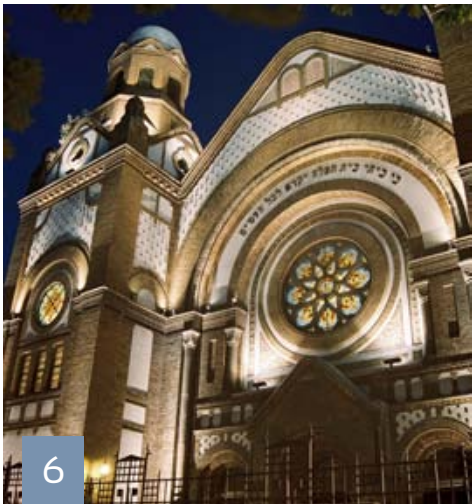
Helsingborg (Sweden)

Helsingborg is a city of approximately 130 000 inhabitants on the southern Swedish coast. The city's Program of Light, created in 2006, includes objectives such as enhancing the safety of pedestrians and road users, improving people's sense of security and reducing energy consumption through new technologies. In 2013, Helsingborg will also host the second edition of its "Love and Light" festival.



Oslo (Norway)

The City of Oslo, with over 600 000 inhabitants, is one of the leaders in the implementation of intelligent street lighting. Since 2004, the Norwegian capital has reduced energy consumption by 70% and CO₂ emissions by 1440 tons per year through the introduction of an intelligent street lighting system on over 10 000 lighting points. The city, which is active on this theme in various European projects, is now bringing its knowledge to LUCI.



Novi Sad (Serbia)

Novi Sad, the second largest city in Serbia with a population of around 400 000, has a total of 27 000 street lighting poles. One of its main priorities is to reduce the power consumption of its public lighting system as a whole. The city also places a particular emphasis on using light to improve the ambience in public parks as well as to preserve the architectural heritage of the city.



Rome (Italy)

The Italian capital Rome, with about 2.8 million inhabitants, is committed to the sustainable use of light. Developing LED technology is amongst the priorities of the city. Its lighting plan, launched in 2010, envisages the creation of 60 000 new lighting points and an extensive retrofit program which will replace about 100 000 conventional lamps with LED lamps. By 2020, almost 3 000 streets in Rome will be lit using LED technology. In 2012, Rome also hosted its annual "Carnavale de Roma" which included video projections using 3D mapping techniques.



Zacatecas (Mexico)

Zacatecas, located in central Mexico, with 130 000 inhabitants, has a rugged topography with terracing streets and alleys that create multiple views bedecked with its many heritage buildings. The Municipality is currently in the process of drafting its lighting master plan which will use light to interweave the urban, historical, cultural, religious and landscape elements of the city. *"This new City Light Project is very important for us as we would like to show the world our exceptional heritage sites. We look forward to discussing how this can be done through lighting with various LUCI cities from all over the world,"* states Luis Alfonso Peschard, Secretary of State Projects.



Tartu (Estonia)

Tartu, the second largest city in Estonia, and home to the oldest university in the country, has a population of over 101 300 inhabitants. The city has approximately 318 km of streets lit by over 11 000 lamps and its lighting strategy aims to ensure a sustainable public lighting system, focusing on saving energy and reducing maintenance costs. The city recently installed new economy HPS lamps which have reduced energy consumption by 20-25%. It hopes to learn more about the experiences of other cities through LUCI, in order to implement proven and effective solutions.

Promoting a culture of sustainability in lighting

The LUCI Charter on Urban Lighting marks the network's commitment to sustainable development. It aims to give a clear view of the issues that should be taken into account by sustainable lighting strategies, while simultaneously gathering LUCI members around a common vision of urban lighting.

It is the product of contributions from more than 40 cities around the world and over a year of work led within the network by the City of Leipzig (Germany).

The Charter addresses challenges common to all: the cultural and social dimensions of lighting, maintenance, recycling, light pollution, energy efficiency, improvement of the quality of life, etc. Above all, it provides a reference framework within which towns and cities can develop their own lighting strategies.



Signatory cities

In 2012 the Cities of Jyväskylä (Finland) and Medellin (Colombia) signed the Charter, and 4 other cities have engaged to do so in the coming year. At this day, over 35 cities have signed the LUCI Charter or committed to sign it.



- Brussels (Belgium)
- Budapest (Hungary)
- Chartres (France)
- Changwon (Korea)
- Eindhoven (The Netherlands)
- **Eskilstuna (Sweden)**
- Ghent (Belgium)
- Glasgow (U.K.)
- Gothenburg (Sweden)
- Guadalajara (Mexico)
- Gwangju (Korea)
- Hamburg (Germany)
- Helsinki (Finland)

- Jerusalem (Israel)
- **Jyväskylä (Finland)**
- Leipzig (Germany)
- Le Havre (France)
- Liege (Belgium)
- Lyon (France)
- **Medellin (Colombia)**
- Morelia (Mexico)
- Moscow (Russia)
- **Novi Sad (Serbia)**
- Osaka (Japan)
- **Oslo (Norway)**
- Pau (France)

- Paris (France)
- Perth (Australia)
- Puebla de Los Angeles (Mexico)
- Rabat (Morocco)
- **Rome (Italy)**
- Rotterdam (The Netherlands)
- Seoul (Korea)
- Saint Etienne Métropole (France)
- Saint Paul de Vence (France)
- Taxco de Alarcon (Mexico)
- Tallinn (Estonia)

Cities that have signed or committed to sign in 2012 are in bold



EXCHANGING experiences and know-how

Over the years lighting has affirmed itself as a major tool that can contribute to the sustainable urban, social and economic development of cities. As new technologies and concepts on lighting continue to develop, there is a growing awareness of this potential within municipalities worldwide.

In order to fully understand and make use of lighting in this changing context, LUCI offers cities spaces to exchange experiences and know-how, by organising events, conferences and meetings throughout the world.

Key issues in urban lighting such as energy efficiency, light pollution, the social dimensions of light or the organisation of light festivals are addressed, bringing together LUCI members as well as cities and lighting professionals beyond the network.



"Alumbrado Navideno", Christmas light festival 2012

- 132 participants from 15 countries
- 22 cities and 11 associated members represented
- Highlights:
 - Detailed insight into the lighting strategy and urban development of Medellín
 - Open conference sessions featuring presentations from cities on their urban lighting projects and events
 - Presentation of two publications during the Commission meetings:
 - "Light as a Tool for Tourism Development"
 - "PLUS Mainstream Guide" on public lighting strategies
 - Philips / LUCI city.people.light award ceremony
 - Pre-inauguration of the Alumbrado Navideno, Medellín Light Festival

Organised with the support of LUCI associated members Philips and Blachère

Key event of the LUCI calendar, the Annual General Meeting (AGM) is the international forum on urban lighting for cities.

It provides lighting professionals the opportunity to share experiences, exchange know-how and learn from each other through various conferences, meetings and networking sessions.



An overview of Medellín's urban development from Nutibara hill



"The LUCI AGM, which puts forward various approaches to urban lighting and the specific needs of each host city, has been an exceptional occasion for us to reinforce our new vision of lighting as a lever for urban and social development. It gave us the possibility to emphasize how vital it is to see light as part of an integrated approach where environmental, social and economic benefits are considered together in the move towards a better quality of life for citizens."

During the event, the signing of the LUCI Charter on Urban Lighting by our Mayor reiterated the city's commitment to implement its urban lighting strategy in accordance with global objectives for safer, more comfortable, equal and sustainable urban areas. The signature is a step forward in guaranteeing the pre-eminence of quality of life in Medellin."

One of the challenges that we now face is to consolidate our lighting master plan to invigorate the areas of great value in our city and support the use of light as a tool for identity and pride for the citizens. The LUCI AGM in Medellin reinforced this orientation and showed us and many local stakeholders how important light is in developing social interaction."

Horacio Valencia Corrales, Head Design Coordinator of the Alumbrado Navideno, Medellin light festival, EPM.

LUCI 10th anniversary

Created in 2002 by the City of Lyon, the LUCI network celebrated its 10th anniversary in Medellin. An evening specifically dedicated to the event gave LUCI members the occasion to look back on an exceptional decade of discussions, debates, and exchanges on urban lighting. The publication "LUCI, Cities in a New Light", bringing together inspired texts from cities that have been involved in LUCI over the last 10 years was presented during this event.



"I am proud to see that LUCI, in addition to its role as a platform for exchanging information, has become an internationally recognised organisation, which promotes a real vision of lighting through the LUCI Charter on Urban Lighting. Through its events and projects, LUCI actively contributes to furthering analyses on lighting and allows cities to contribute to important debates on the subject."

Finally, in addition to the topic of lighting, I am also happy to see that through each LUCI event, which brings together very different languages, professions and cultures, it is a message of fellowship, goodwill, desire for progress and commitment to public interest which is expressed."

Jean-Michel Daclin, Honorary President of LUCI, Deputy Mayor, City of Lyon (France)



"LUCI has grown in strength and ambition over the years. For me, LUCI is about people; their place in the cities and the future direction of those cities. It offers a shared vision of the important role that light plays to enrich the many living in the urban environment. I am immensely proud that, as the network celebrates its 10 year anniversary, we can say we have a truly international association which extends across so many continents, cities and cultures."

The "LUCI, Cities in a New Light" publication beautifully highlights light in all its dimensions. It explores the nature of light in the urban context as discussed and debated by the cities in the LUCI network over the past 10 years."

Councillor Allan Stewart, Former President of LUCI, Glasgow City Council (U.K.)





Mary-Ann Schreurs, Deputy Mayor, City of Eindhoven

- 126 participants from 19 countries
- 30 cities and 14 associated members represented
- Highlights:
 - Eindhoven's public lighting strategy
 - Design, innovation and light
 - Living labs concept in Eindhoven
 - Sports and lighting

Organised with the support of LUCI associated member Philips

LUCI City under Microscope events enable participants to discover the lighting strategy of a member city over a two-day period. They include field visits and technical conferences on permanent and temporary lighting projects.

The City of Eindhoven presented its holistic approach to urban lighting, as well as its living labs concept. An approach which aims to minimise energy consumption, while using creativity and research to ensure a public lighting system that offers comfort, quality and interactivity.

Pedestrian crossing, Strijp-S area "Creating a Public Lighting Experience"





"After hosting a successful and very well attended LUCI Annual General Meeting in Eindhoven in November 2007 featuring "Rethinking The Future Of Lighting", we knew that a theme like this was an open invitation for a future visit. The City under Microscope in March 2012 – "Welcome to Eindhoven Living Lab" – therefore felt like the opportunity to really show Eindhoven's lighting ambitions in detail.

According to me, as coordinator of the event, the most interesting and challenging aspect was to show through the various lectures on lighting design, architecture, arts and communication, that good lighting is no longer just related to technology. Lighting experiences now need to be defined beyond technological lighting specifications.

It was very meaningful to once again see such a large number of dedicated participants, and many animated discussions and new contacts followed the lectures and visits. I believe that hosting the 2012 City under Microscope, as well as the 2007 LUCI AGM before it, gave us the occasion to validate and refine the roadmap to our lighting future."

**Rik van Stiphout, Department of Public Space,
Traffic & Environment, City of Eindhoven**



Welcome cocktail at the City Hall



Visit to the Olympic pool and its new LED pacing system (a trail of 1 000 LEDs on the pool floor helping swimmers attain their speed objectives)



- 110 participants from 15 countries
- 23 cities and 10 associated members represented
- Highlights:
 - The identity building strategy of the world's northernmost City of Light
 - In-depth view of technical, sustainable and economical urban lighting in Jyväskylä
 - Educational workshops

Organised with the support of LUCI associated members Philips and Thorn

The City under Microscope in Jyväskylä was the occasion to discover the municipality's city.people.light award-winning lighting master plan and its 80 permanent installations.

Conducted in interactive and educational formats, this event was also the opportunity to address some of the main issues in public lighting today: using light to build city identity, quality of LED lighting in public spaces, lighting green areas...



Site visit to the Lutakko LED test park, a residential area equipped with 60 pylon, wall, post and roof LED lights.



"Being the first Finnish city to host the City under Microscope was a long-term objective and a great honour for Jyväskylä. We were especially pleased with the strong attendance and overwhelmingly positive feedback.

It truly was a fantastic event in so many ways and we couldn't have pulled it off without the help of all participating organisers and the great support from our partners.

The event really gave us a boost of enthusiasm to continue pursuing our vision of being a forerunner in the field of urban lighting, a city whose example is followed both in Finland and abroad."

Kari Ström, Deputy City Engineer, City of Jyväskylä



Markku Andersson, Mayor of Jyväskylä and Councillor
Allan Stewart, President of LUCI



Educational workshops enabled participants to discuss and experiment with some lighting design principles



Views from participants

"The City under Microscope in Jyväskylä showed us the reality of the city from the perspectives of several people – the landscape designer, the lighting designer, the urban planner, the politician, the engineer... and also the gaze of our own eyes."

Silvia Cebrián Renedo, Architect and Urban Planner for the City of Valladolid (Spain)

"I particularly liked the educational workshops in this CUM. We were challenged to discuss interesting questions and issues in groups in a relaxed way. The discussions in our group on the use of different light temperatures were especially interesting as they demonstrated cultural differences in opinions."

Willem Reedijk, Head of Public Lighting Office, City of Rotterdam (The Netherlands)

"I liked the blue pedestrian bridge a lot as the lighting transformed the bridge and it became something bigger, almost like a work of art. Trying to enhance or elevate something to a greater level and make the light itself a natural part of that object or environment – I think that is a good example of how to approach lighting design."

Mathias Thuen, Green Spaces Project Manager, Eskilstuna (Sweden)

The Lyon Light Festival is the fourth highlight of the LUCI calendar. Every year, LUCI proposes a special programme of conferences and events to its members. In 2012, LUCI members were invited to participate in the first edition of the Lyon Light Festival Forum. Initiated by the City of Lyon and LUCI, it included conferences as well as the International Platform for Light Festivals launched in partnership with the Cluster Lumière. This initiative allowed light artists and designers to meet with cities and organisers of light festivals.



- 240 participants from 29 countries in total
- 32 cities and 22 associated members represented
- A programme including:
 - Conferences:
 - Building the identity of a light festival
 - Light festivals in the era of interactivity
 - The International Platform for Light Festivals
 - The Auroralia award ceremony organised by Schröder and LUCI





April 2012

Light + Building / Frankfurt (Germany)

LUCI offered its members a guided tour of the Light+Building fair in Frankfurt, the world's biggest forum for architecture and integrated building-services technology. The programme took the 40 participants on visits to LUCI associated member stands to discover their latest innovations.



sapa: THORN



PHILIPS



The programme also included a tour of the Luminaire light festival, which transforms Frankfurt into a stage for innovative lighting design and cultural concepts.



June 2012

CapUrba / Lyon (France)

LUCI organised a conference on "Innovation in urban lighting" with a focus on Lyon and Le Havre, at the CapUrba city planning and urban project trade fair. It was also invited to occupy a stand at this exhibition.



June 2012

Guangzhou International Lighting Exhibition / Guangzhou (China)

LUCI participated in the Lighting Design Gallery at the Guangzhou International Lighting Exhibition (GILE), Asia's largest lighting industry forum.

Through its involvement and participation in conferences and meetings throughout the world, LUCI continues to share knowledge and raise awareness on urban lighting issues.



March 2012

LED – Light in Public Space / Wismar (Germany)

Presentations of LUCI and PLUS at the final event of this South Baltic EU project, which aimed at helping municipalities implement LED technology in public lighting.



April 2012

“Lights up – Costs down” ESOLI* conference / Frankfurt (Germany)

Presentation of LUCI in the framework of this conference on existing intelligent solutions for street lighting, and their energy and cost saving potentials.

*(Energy Saving Outdoor Lighting)



May 2012

Tourism and Lighting conference / Chartres (France)

Conference organised by LUCI and Atout France to mark the release of the French version of the publication “Light as a Tool for Tourism Development”. It included invited speakers from the cities of Ghent, Lyon and Valladolid.



September 2012

Urban Spirit of Light conference / London (U.K.)

Conference organised by the Royal College of Art, London, with LUCI presentation on the positive impact light can have on neighbourhoods and local communities.



October 2012

Moscow Light Festival / Moscow (Russia)

LUCI involved as member of the jury for the lighting design competitions of the second edition of the Moscow International Festival of Light “Circle of Light”.



October 2012

Noche Zero / Atacama Desert (Chile)

LUCI involved as partner of this event which explored light pollution as well as the role of darkness in life, lighting design and the modern city.



November 2012

ForumLED Europe / Paris (France)

LUCI involved as chair of the session on “LED user feedback” showcasing the lighting strategy of the City of Venice.



PROGRESSING together

The field of urban lighting has been undergoing major changes in the recent past and continues to evolve at a rapid pace.

As a leading network on urban lighting, LUCI explores, through its commission activities and various projects, the new facets and potentials of public lighting in both its permanent and temporary aspects.

Whether by piloting research on some of the burning issues in urban lighting today or by providing concrete technical support, LUCI offers tools for cities to progress towards a better, more sustainable use of light.

LUCI Commissions

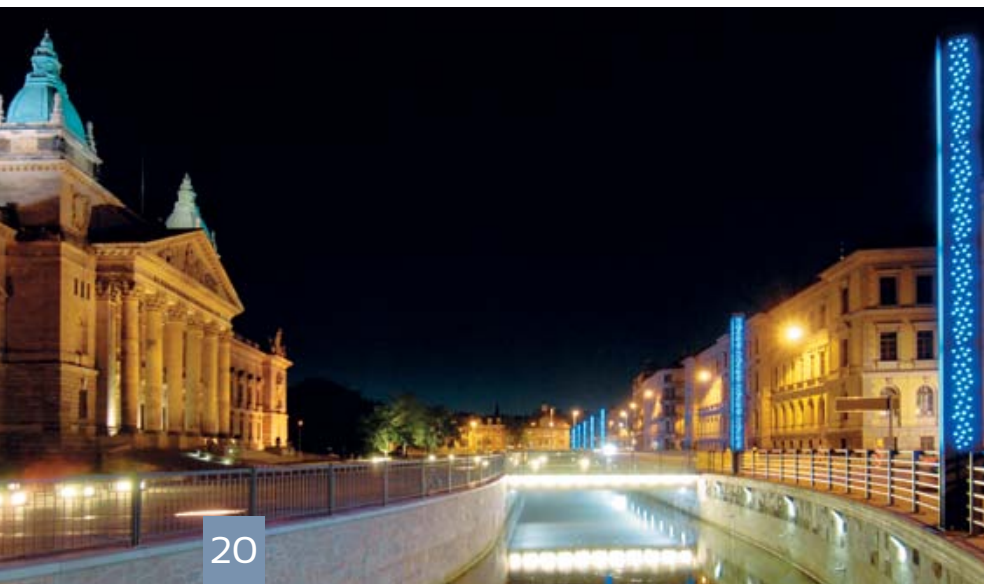
LUCI Commissions pursue projects or research addressing major issues in urban lighting. By bringing together the existing knowledge within the LUCI network, they aim to help cities progress towards a better and more sustainable use of light.

In 2012, four Commissions were active within LUCI. Two new Commissions were also created.



Culture Commission led by the City of Glasgow

The Culture Commission explores the use of lighting to reinforce a city's culture and history. In 2010, it initiated a research project to evaluate the economic and cultural benefits of light festivals for host cities, in cooperation with the Cambridge Policy Consultants agency. The final report of this study, presented at the AGM 2011 in Gothenburg, focuses on 10 case studies worldwide (Chartres, Durham, Eindhoven, Glasgow, Gothenburg, Jerusalem, Lyon, Medellin, Montreal and Osaka). In 2012, as a next step, the Commission has realised a toolkit to concretely help cities measure the economic and cultural impacts of their light festivals.



Charter on Urban Lighting Commission led by the City of Leipzig

Launched in 2010, the LUCI Charter on Urban Lighting has been signed by more than 35 cities. The Commission aims to help cities evaluate the progress of their public lighting policies in regards to the principles of the Charter. After having identified appropriate indicators, the Commission elaborated a public lighting survey in collaboration with Professor Alexander Schmidt from the University of Duisburg-Essen (Germany). The survey data collection has begun this year and the results of its analysis will be presented in 2013.



Sustainable Development Commission led by the City of Eindhoven

The City of Eindhoven is involved in two EU projects on the topic of sustainable lighting – BLISS (Better Lighting for Sustainable Streets) and PLUS (Public Lighting Strategies for Sustainable Urban Spaces). In the framework of this Commission, Eindhoven aims to share the knowledge developed within these two projects with LUCI members and beyond. The LUCI AGM 2012 was the occasion to present the final report of the PLUS project which ended in 2012. The Sustainable Development Commission will ensure the continued and further development of the PLUS best practice database on the LUCI website.



Tourism and Lighting Commission led by the City of Chartres

Launched in 2011, the objective of this Commission was to identify the key factors that determine how a lighting strategy can contribute to the touristic development of a destination. It has involved over 20 LUCI member cities in a publication on the topic of tourism and lighting, realised by Atout France (the French tourism and promotion agency) in partnership with LUCI. This publication was first presented in its French version at a conference organised in Chartres in May 2012, and its English version was presented and disseminated to all LUCI members during the AGM 2012 in Medellin.

New Commissions for 2013



Light Festival Commission led by the City of Lyon

Cities worldwide are increasingly getting involved in organising light festivals. Within LUCI, almost 40 out of the 66 cities in the network host some sort of light festival. The need for knowledge exchange in this domain seems to be greater than ever. In order to support this need, the City of Lyon has launched a new Commission on light festivals. One of its first objectives will be to develop a training session for cities on the topic.



Light and Art Commission led by the City of Gothenburg

With this Commission, the City of Gothenburg wishes to open the discussion on the topic of light and art. Its initial objective is to exchange experiences between cities and to explore solutions that bring art and light into the public sphere.

PLUS (Public Lighting Strategies for Sustainable Urban Spaces), financed by the EU INTERREG IVC programme from 2010 to 2012, capitalised on existing urban lighting best practices in European cities. The project aimed to help cities develop their lighting policies and strategies in order to implement energy efficient lighting solutions. The City of Eindhoven has been the lead partner of this two-year project which involved 11 cities across Europe (Bassano del Grappa, Birmingham, Burgos, Iasi, Leipzig, Lyon, Nice, Patras, Sofia, Tallinn) as well as LUCI. The project ended this year following the "Light Up Your City!" final event (October 2012, Eindhoven).

Workshop

The innovative learning methodologies established within PLUS (field visits, Deep Dives, training sessions, self-assessment reports, mobilisation of local stakeholders), have resulted in 11 new lighting strategies and action plans for each of the PLUS cities. The results and lessons learnt during the project have been compiled in its final document, the PLUS Mainstream Guide.

Showcase

Throughout the PLUS project, best practices and innovative experiences in sustainable urban lighting have been identified, promoted and showcased through the PLUS website, newsletters and the PLUS Review magazine. A best practice database on urban lighting was also created within the framework of the project. It will ensure the durability of PLUS and continue to showcase exemplary lighting practices from PLUS cities and beyond.

Forum

PLUS has initiated a space for discussion and exchange of information on sustainable urban lighting. By creating links with other EU and international projects, it has also gone beyond the partnership to find inspiration in cities worldwide.



"The PLUS project not only stimulates discussion within the partnership through the communication tools and best practice database developed, it also disseminates the innovative experiences identified to cities worldwide, and contributes to raising awareness on sustainable lighting."

Alexandre Colombani, General Manager, LUCI

"When we meet, everyone speaks the same language. We know what is expected and what we should deliver."

Heike Besier, Deputy Leader Section Public Space Design, City of Leipzig (Germany)

Main communication outputs from PLUS



PLUS Showcase

This urban lighting best practice database brings together exemplary projects initiated by municipalities worldwide. It aims at providing cities existing knowledge and experiences to refer to when developing and enhancing their own lighting strategies and projects.



"The PLUS Deep Dive was a really important experience for our city. We had the possibility to exchange views with other municipalities at the forefront of public lighting which gave us precious advice. It is really helpful to start our journey driven by partners with such a level of experience and competence."

Andrea Zonta, City Councillor in charge of Sustainability and Mobility, City of Bassano del Grappa (Italy)



"PLUS has become a learning centre and network point on sustainable lighting for cities. In each of the 11 Deep Dive site visits, we have discovered new approaches and identified good practices."

Annemarie Totté, PLUS Project Manager, City of Eindhoven (The Netherlands)

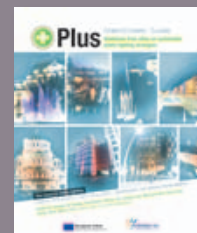
"The PLUS methodology allows for maximum participation from amongst a wide variety of people. It also requires a lot of preparation both on the part of the hosts and the visitors."

Sevdalina Voynova, Director of Programmes at the Sofia Development Association (Bulgaria)



PLUS Review

This magazine, realised by LUCI, is based on key issues evoked in the LUCI Charter on Urban Lighting, and includes exemplary practices on sustainable urban lighting from European cities.



PLUS Mainstream Guide

This final document of the PLUS project brings together the information produced within the project, including the PLUS cities' innovations, insights and new approaches to public lighting.

In line with their commitment to extend the benefits of urban lighting to the inhabitants of cities in developing nations, LUCI and Thorn have joined forces to launch LightLinks.

Through this initiative, Thorn and LUCI, in collaboration with CLSF, promote international solidarity by supporting the cooperation between cities from developed and developing countries on urban lighting projects.

After supporting the cooperation between Lyon (France) and Jericho (Palestinian Territories) which ended in 2011, the LightLinks initiative brought together Glasgow and Buffalo City in a new partnership.

Glasgow (U.K.) / Buffalo City (South Africa)

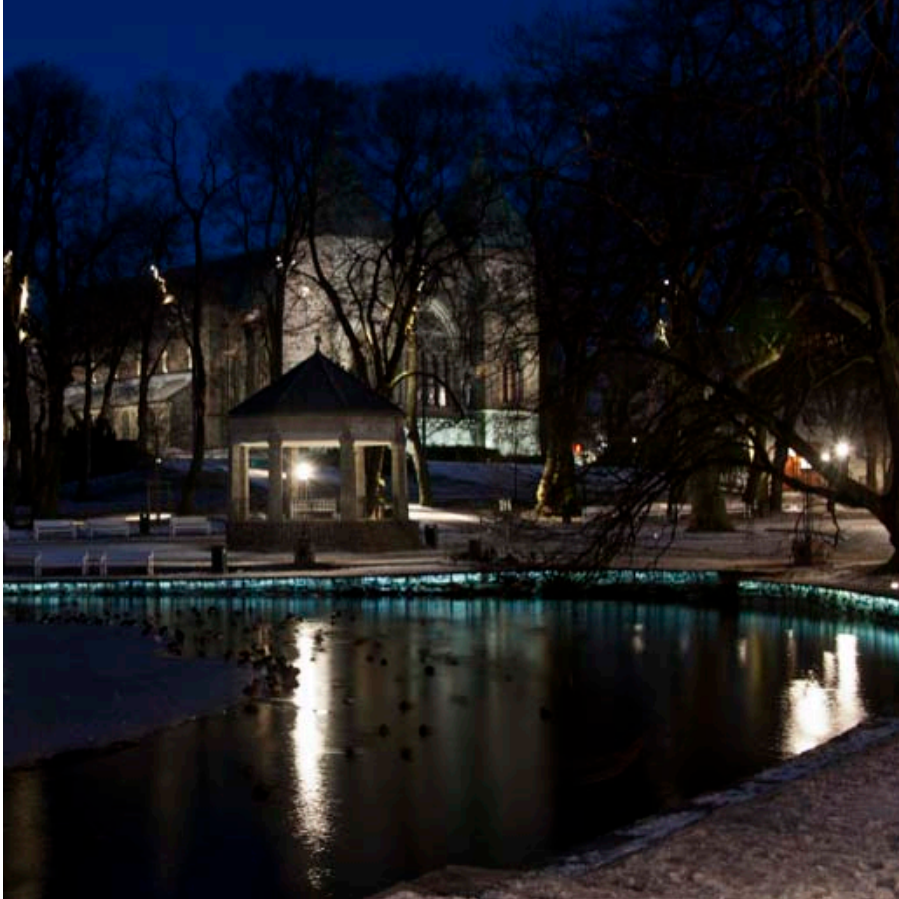
The Glasgow / Buffalo City project links the Buffalo City Metropolitan Municipality (formerly under the Amathole District administration) and the City of Glasgow.

Glasgow City Council technicians are working on helping their South African counterparts illuminate historical sites in Buffalo such as the City Hall and the Mdantsane Arts Centre. The new lighting of the City Hall will reduce energy consumption from 2.4 kW to 1.4 kW, and provide a better environment for citizens.

The partners have now reached the final design phase of the project and the new lighting scheme will be installed in 2013.

In collaboration with Concepteurs Lumière Sans Frontières (CLSF)





PROMOTING best practices

Bringing together a very wide range of knowledge and experiences from cities worldwide, LUCI aims to promote a culture of lighting which respects a sustainable and rational use of light "at the right place, at the right time".

Using the LUCI Charter on Urban Lighting as a reference, it showcases – through its international awards, publications and communication tools – exemplary urban lighting strategies and projects worldwide. In this way, LUCI helps cities capitalise on existing knowledge and experiences, and supports them in the development of their urban lighting strategies.

The international city.people.light award was created in 2003 by Philips and LUCI. Each year, it rewards three cities that best integrate the notions of “city”, “people” and “light” in a coherent lighting strategy.

This year, to celebrate the 10th anniversary of the competition, Philips and LUCI awarded a special prize, the People’s Choice Award, which rewarded the most popular city.people.light winner of the past ten years.

217 entries since 2003 | **26** entries in 2012

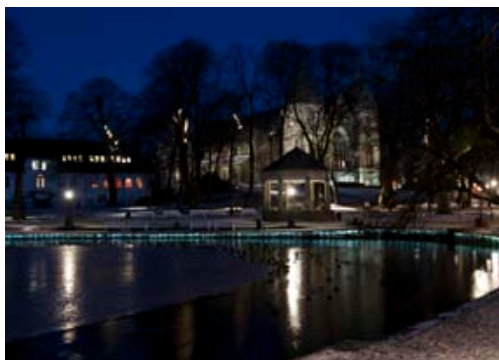
Jury members 2012

Willem Reedijk, Head of Public Lighting Office, City of Rotterdam (The Netherlands) / **Annukka Larsen**, Lighting Designer, City of Light Coordinator, City of Jyväskylä (Finland) / **Ong Swee Hong**, Director of Lighting, ONG&ONG (Singapore) / **Laurent Lhuillery**, Deputy Mayor, City of Chartres (France) / **Silvia Cebrian Renedo**, Architect and Urban Planner, City of Valladolid (Spain)

<http://www.luciassociation.org/citypeoplelight.html>



First prize: Lyon (France) “Le mur végétalisé de l’Annonciade” combining design, innovation and public art



Second prize: Stavanger (Norway)
The Stavanger Cathedral surroundings



Third prize: Genk (Belgium)
The C-MINE project on the foundations of the coal mine of Winterlag



People’s Choice Award: Valladolid (Spain)
The “Rivers of Light” project

Special mentions:
Taipei (Taiwan)
and Moscow (Russia)

The Auroralia competition, initiated by Schröder and LUCI, rewards cities that have implemented high quality exterior lighting projects that minimise their environmental footprint in the most noticeable, exemplary and original way.

The winning entries are selected by a jury composed of individuals from the international press specialized in environment, urban planning and lighting design.

16 entries in 2012

Jury members 2012

Clara Navio, Ciudad Sostenible, Editor / Charlotte Fauve, Ecologik, Head of Lighting Section / Tim Whitacker, LEDs Magazine, Senior Consultant / Massimo Villa, Luce e Design, Senior Editor / Clémence Mathieu, LUX, Chief Editor / Giacomo Rossi, Luxemozione, Editor / Jean-Philippe Cols, Paysage Urbain, Chief Editor

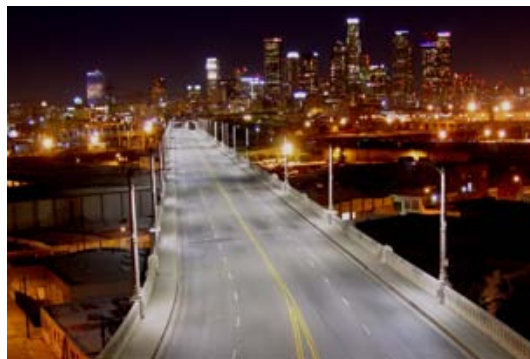
<http://www.auroralia.org/>



First prize: Ghent (Belgium) The “Rational Use of Energy” project



Second prize: Valença (Portugal)
LED lighting project in the medieval city



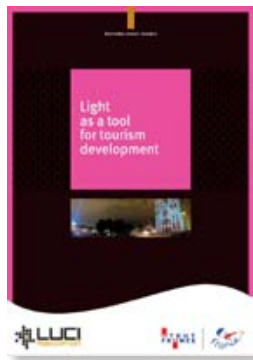
Third prize: Los Angeles (U.S.A.)
The Los Angeles LED conversion project



Special mention: Buin (Chile)
LED technology based lighting plan

Through its reports and publications, LUCI aims to bring together the wealth of knowledge existing within the network, as well as to promote exemplary practices in urban lighting.

These initiatives include contributions from cities worldwide as well as universities, lighting designers and other lighting professionals.



Light as a Tool for Tourism Development

This book identifies key factors that determine how a lighting strategy can contribute to the touristic development of a destination. With case studies from cities around the world such as Ghent, Montreal, Medellin, and Chartres, among others, the book will serve as a guide for cities looking to optimise their touristic potential through light. The publication was realised by Atout France (the national promotional agency linked to the French Ministry of Tourism) in partnership with LUCI.

136 pages – English and French



LUCI, Cities in a New Light

This special publication, marking the network's 10th anniversary, brings together the cities and people that have made the LUCI network over the past 10 years, and their vision on lighting. From attractiveness to innovation through quality of life, energy efficiency and environmental sustainability, the wide diversity of topics covered in this publication attests to the multitude of approaches and points of view that exist on light. Including over 100 photographs and 55 inspired texts from LUCI members, this publication looks back on 10 years of networking on urban lighting.

105 pages – English



Cities and Light Planning

Based on presentations made at LUCI conferences in 2009, the publication "Cities and Light Planning" brings together chapters by representatives from Copenhagen, Ghent, Guangzhou, Leipzig, Lyon and Paris on their respective cities' perspectives, challenges and strategies regarding light planning.

The publication was compiled in partnership with INSA – University of Lyon (National Institute of Applied Science).

114 pages – English and French



The Economic and Cultural Benefits of Light Festivals

This report is the result of a study realised, in 2011, by the LUCI Culture Commission, chaired by the City of Glasgow, in collaboration with Cambridge Policy Consultants. Through contacts with 26 cities hosting more than 30 light events, and 10 detailed case studies (Chartres, Durham, Eindhoven, Glasgow, Gothenburg, Jerusalem, Lyon, Medellin, Montreal and Osaka), the Commission has collected a wealth of information on how cities measure and demonstrate the success of their events.

103 pages – English



The Social Dimensions of Light

"The Social Dimensions of Light" aims to define the concept of social lighting and draws attention to concrete experiences and exemplary practices in this domain with case studies from 12 cities worldwide such as Bangkok, Brussels, Gothenburg, Gwangju, Le Havre, Medellin, Rio de Janeiro and Rotterdam, among others. This publication was realised in collaboration with the University of Liege (LEMA), in the framework of the LUCI Urban Strategies Commission chaired by the City of Liege.

230 pages – English and French



Newsletter

- 3 issues per year of the LUCI newsletter
- 4 language versions: English (printed), French, Spanish and Korean
- Inclusion of 4 pages on sustainable lighting in the framework of the PLUS project



Press coverage

LUCI members and activities are promoted through wide international media coverage



Website

- More news and information on current events within LUCI and beyond
- Best practice database developed in the framework of the PLUS project

www.luciassociation.org

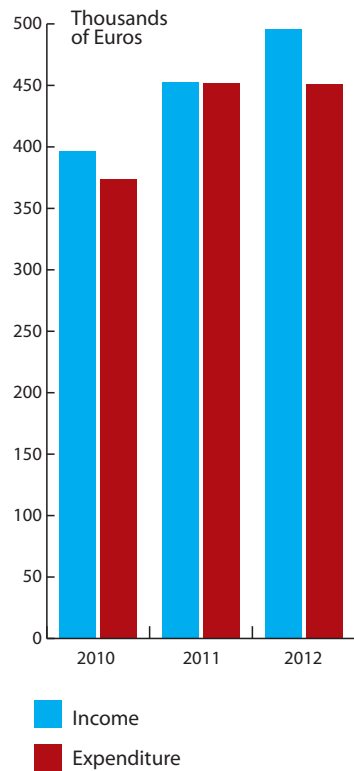
Reports from LUCI events and conferences

Conference presentations are made available to members on the LUCI extranet

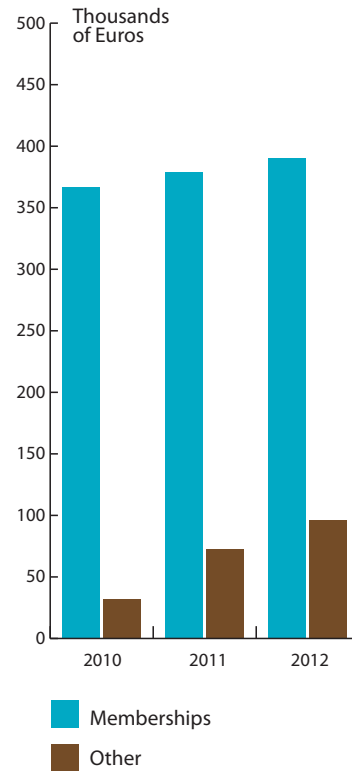
<http://extranet.luciassociation.org/extranet/>

Fast financial facts

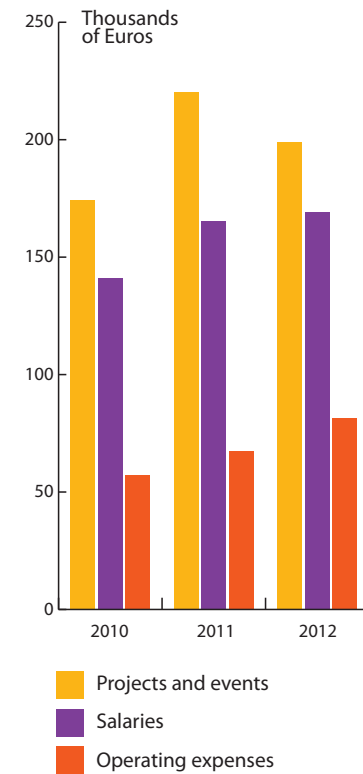
INCOME AND EXPENDITURE



INCOME



EXPENDITURE



Save the date!

MAIN LUCI EVENTS IN 2013



**LUCI CITY UNDER MICROSCOPE
IN VALLADOLID (Spain)**

5 - 8 June



**LUCI CITY UNDER MICROSCOPE
IN MARSEILLE (France)**

18 - 21 September



**LUCI ANNUAL GENERAL MEETING
IN GUANGZHOU (China)**

13 - 17 November



**LUCI AT THE LYON LIGHT FESTIVAL
(France)**

6 - 9 December

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Lighting design: Department of Public Lighting, City of Lyon

P3

- Sint-Antoniuskaai residential street, Ghent (Belgium) © Niels Donckers, Light Plan, City of Ghent
Lighting concept: Atelier Roland Jéol, Lyon

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- The Tunafor's Factories, Guerilla Lighting, Eskilstuna (Sweden) © City of Eskilstuna
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- "L'Arbre à vœux", Lyon Light Festival 2012 (France) © Michel Djaoui
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- An overview of Medellín's urban development from Nutibara hill, Medellín (Colombia) © EPM
- "Alumbrado Navideno", Christmas light festival 2012, Medellín (Colombia) © EPM
Lighting design: EPM

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- Horacio Valencia Corrales © EPM

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- Deputy mayor Mary-Ann Schreurs © City of Eindhoven, photo Jos Lammers
- Strijp-S, "Creating a Public Lighting Experience", Eindhoven (The Netherlands) © City of Eindhoven, photo Verse Beeldwaren – Geertjan Cornelissen & Nancy Ostermann
Lighting design: Philips Design in cooperation with Paleco LED Applications

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- Eindhoven's Olympic swimming pool (The Netherlands) © City of Eindhoven

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- Kuokkala Bridge, Jyväskylä (Finland) © photo Jani Salonen
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- Welcome cocktail, LUCI City under Microscope, Jyväskylä (Finland) © Jiri Halttunen
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- Educational workshops, LUCI City under Microscope, Jyväskylä (Finland) © Juhana Konttinen

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- "Le bal des luminéoles", Lyon Light Festival 2012 (France) © Michel Djaoui
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- "Oriflammes", Lyon Light Festival 2012 (France) © Michel Djaoui
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- "Highlights", Lyon Light Festival 2012 (France) © Fabrice Dimier
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- "Kokeshi de soie", Lyon Light Festival 2012 (France) © Michel Djaoui
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- Lyon Light Festival Forum Programme cover page, "Boîte", Lyon Light Festival 2012 (France) © City of Lyon
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- L+B hall, Frankfurt (Germany) © Messe Frankfurt GmbH, photo Jochen Günther
- "OVO", Luminale 2012, Frankfurt (Germany) © Messe Frankfurt GmbH, photo Jochen Günther
Lighting design: ACT lighting design
- The Lighting Design Gallery, Guangzhou (China) © Guangzhou International Lighting Exhibition

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- Gothenburg (Sweden) © Photo Filip Andersson, Creativelights
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- "Chartres en Lumières" 2012 (France) © Jean Baptiste Maradeix
Scenography: Benoît Quéro

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- Guerilla Lighting, Glasgow (U.K.) © Guerilla Lighting
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Lighting design: Prof. U. Coersmeier, A. Reutler, Angela Wandelt

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- Eindhoven (The Netherlands) © City of Eindhoven, photo Verse Beeldwaren
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Lighting design: Ramboll

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- PLUS project workshops and events © City of Eindhoven © LUCI

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- Buffalo City (South Africa) © Glasgow City Council

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- The Stavanger Cathedral surroundings (Norway) © City of Stavanger

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- "Le mur de l'Annonciade", Lyon (France) © Michel Djaoui
Lighting design: Public Lighting Department, City of Lyon
- The Stavanger Cathedral surroundings (Norway) © City of Stavanger
Lighting design: Ramboll Denmark by Ib O. Winther and Viadan Paunovic
- The C-MINE project, Genk (Belgium) © cpl
Lighting design: Luc Peumans
- "Rivers of Light", Cavalry School, Valladolid (Spain) © Luis Laforga
Lighting design: Lara Elbaz and Rafael Gallego

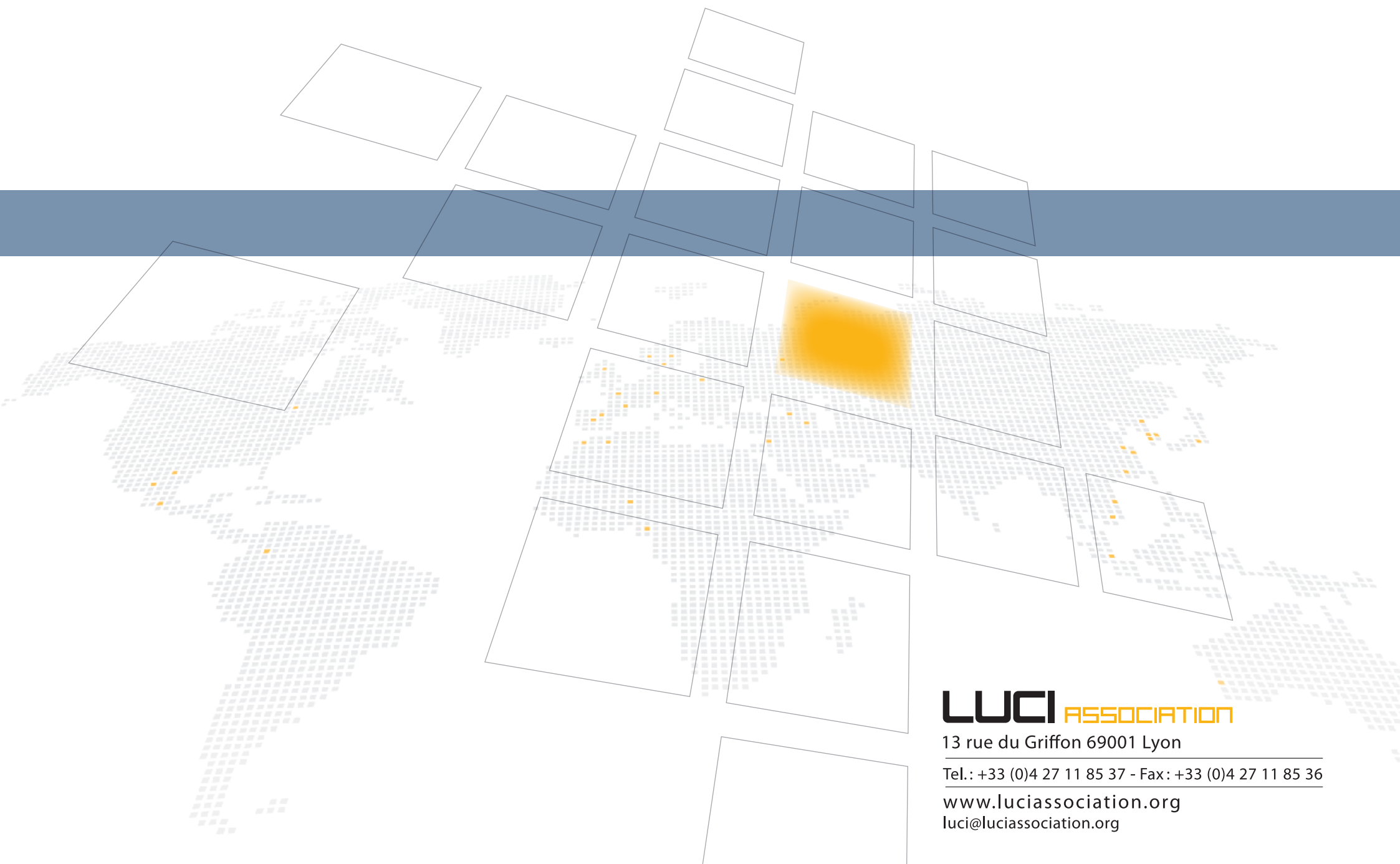
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- The R.U.E. project, Saint Peter's Abbey, Ghent (Belgium) © City of Ghent
Lighting design: Brigitte Vandenberghe (Project Manager) and Eric Himpens (EH Consult) – implemented according to specifications of the Light Plan II
- Valença (Portugal) © Auroralia
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- Los Angeles LED conversion project (U.S.A.) © City of Los Angeles, Bureau of Street Lighting
- Buin (Chile) © Auroralia
Lighting design: Shréder Chili

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- "Rivers of Light", Valladolid (Spain) © Luis Laforga
Lighting design: Lara Elbaz and Rafael Gallego
- The "Palais du Pharo", Marseille (France) © City of Marseille
Lighting design : Alain Guilhot
- Guangzhou (China) © Landsky Lighting
Lighting design: Lighting Design & Research Dept. of Tsinghua Urban Planning & Design Institute
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Lighting design: Skertzo





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