



Innovative policies for improving citizens' health and wellbeing
addressing indoor and outdoor lighting

Deliverable D4.2

Report on the full establishment and completion of the Board of Lighting Companies

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Introduction

The Board of Lighting Companies (BLC) is a part of workpackage 4. By engaging technical actors through BLC in different aspects of the project findings as well as in delivering guidelines and policy briefs, the work will enhance the market uptake of the proposed innovative smart healthy lighting system approach. The project will be aiming at coordinating corporate research and development on health-related lighting issues, place it on a better evidence-base, and support commercial attempts to make all lighting systems health-aware.

The main role for the BLC will be in the knowledge building and dissemination phases. The Board of Lighting Companies is led by Gate 21 and the BLC will cooperate with the project consortium as well as the Healthy Urban Lighting Advisory Board (HULAB). Material and content for the BLC will be based on the project tasks and deliverables to prepare for example discussions on the market uptake.

Description of Activities

Until now the activities to achieve the establishment of the Board of Lighting Companies has been the following:

- Coordination meetings with lead partner and LUCI (leading the HULAB)
- List of potential participants based on primary dialogue in the application phase, criteria discussed with lead partner and contacts at partners
- Preparing the “Terms of reference” for BLC
- Invitations to attend the board
- Follow up conversations and meetings with potential members
- Letter of commitment from members of BLC
- Planning of kick-off meeting
- Invitation for the kick-off and first board meeting

Gate 21 has been working on the commitment from up to 10 companies from the lighting industry from a holistic point of view. The board should have large international companies as well as smaller companies working on both outdoor and indoor lighting as well as being from different parts of the EU. At the same time the board should represent different places in the value chain of the lighting projects, such as lighting designers and planners, producers, construction, operation, and maintenance.

Some of the companies addressed for the board has with Covid-19 been in challenging times. They have not had the possibility to make a long-term commitment for the board and has been challenged on investing their time in the work. There is the possibility for companies to be part of the board has been some challenging

Upon request more companies can be invited to take part in the virtual activities in the BLC to get even more perspectives and better knowledge collection and dissemination. There is one place available in the BLC for a company participating in the workshops onsite with reimbursement, and we will work on filling this with a motivated company in the next future.

First meeting for the BLC will be in connection with LUCI Annual General Meeting in Tartu, at October 29th, 2021, where there will be a kick-off for the two boards on companies and cities (BLC and HULAB) together, followed by separate board meetings.

Results

The Board of Lighting Companies has been established.

The members of the board are:

Company	Homepage	Country	Type and role
Arup	www.arup.com	United Kingdom	Large, design
Chromaviso	www.chromaviso.com	Denmark	SME, producer indoor
Citelum	www.citelum.com	Italy	Large, operations outdoor
Ekosvětlo s.r.o.	www.ekosvetlo.cz	Czech Republic	SME, consultant
Hera Luce S.r.l.	www.heraluce.it	Italy	Large, consultant and operations outdoor
iGuzzini	www.iguzzini.com	Italy	Large, producer
Lichtvision Design GmbH	www.lichtvision.com	Germany	SME, lighting design, representing IALD
Ocutune	www.ocutune.com	Denmark	SME, systems indoor
Schredér	www.schreder.com	Belgium	Large, producer
Signify	www.signify.com	The Netherlands	Large, producer
Zumtobel	www.zumtobel.com	Austria	Large, producer
NERI	www.neri.biz	Italy	Large, project beneficiary, outdoor
Lumie	www.lumie.com	United Kingdom	SME, project beneficiary, indoor

The lighting companies involved are each representing many of the different professions and tasks in the value chain. The role above is the one in mind by inviting the company.

The urban lighting company NERI and the company LUMIE, specialist in light therapy products, are project beneficiaries, and are taking part in the board according to their role on the lighting interventions in the project.

Terms of reference

The terms of reference have been presented for the members of the board as part of their groundwork for deciding the participation. Tasks and activities for the board is presented in the terms.

Terms of reference is included in the following pages.



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ADDENDUM FOR LETTERS OF COMMITMENT

TERMS OF REFERENCE

ENLIGHTENme - Board of Lighting Companies

The overarching objective of ENLIGHTENme is to improve older adults' health and wellbeing in European cities by addressing public policies related to indoor and outdoor lighting.

Purpose:

The purpose of the Board of Lighting Companies is to actively include the knowledge and experience of companies, working with indoor and outdoor lighting. The engagement of lighting companies, including manufacturers, designers, consultants, and contractors will qualify the efforts and results of the project. Further the Board is established to strengthen dissemination and boost the outreach of results and raise awareness of the importance of the topic among sector enterprises. The board will interact with the project consortium and the two other boards made up of cities and of universities. Not least to help close the gap between companies and public actors in the lighting sector.

Tasks:

The board is established as a support function to the project, enhancing results and subsequent implementation in policies and industry. The board will be invited to take part in a set of tasks:

- Contribution with knowledge and experience to the collection, review, and representation of evidence on indoor and outdoor lighting impacts on health and wellbeing.
- Engagement in the discussion among the innovative solutions proposed by the project.
- Interaction with the project consortium in the development of the following guidelines and decision support tool:
 - *Healthy Urban Lighting Good Practice Guidelines, supporting policy decision makers in incorporating health and wellbeing concerns into lighting policy and implementations.*
 - *Decision Support System, to support policy makers in defining priorities of intervention according to urban inequalities and considering cost effectiveness at urban level and by allowing them to compare the impacts of different lighting scenarios functional to lighting plans.*

Activities:

Two dedicated workshops onsite will be the main activity. It is expected that one workshop will be organized in parallel with the two other boards in the project (cities and universities).

Additionally, two sessions /side-events will be organized in relation to international events (one is expected to be at the Light + Building March 2022), in which the members of the Board of Lighting Companies will be invited to participate.

There will also be an option to participate in online board meetings to discuss results and give suggestions to the project, or to give written feedback on topics. There will be facilitated opportunities to meet cities around the world.

Purpose of workshop 1 is to get a common understanding of the project, the role of the board and alignment of expectations, and to give feedback on the issues and challenges the project is addressing. Purpose of workshop 2 is dedicated to give feedback on the policies developed after the lighting intervention in the three cities.

Timeline:

Workshop 1: October 29th, 2021 in Tartu, Estonia

Site-event 1: Light + Building March 2022 in Frankfurt, Germany

Site-event 2: Spring 2023

Workshop 2: Spring 2024

End of project: February 28th, 2025

Organization:

The Board of Lighting Companies will consist of up to 10 companies, including manufacturers, designers, consultants, urban planners /architects, and contractors. More companies can be included upon request. The board do not have decision-making power. NERI (IT) and LUMIE (UK) are members due to the partner role in ENLIGHTENme.

The board will be led by Gate 21. Gate 21 will have the responsibility to organize meetings, agendas and minutes and communication between meetings. Gate 21 will coordinate with lead partner University of Bologna.

Commitment:

By signing up for the Board of Lighting Companies, the company agrees to participate in two dedicated workshops onsite (if possible due to travel restrictions).

Interest and participation in other activities will be highly appreciated.

A company can always withdraw their commitment.

Type:

The Board of Lighting Companies is an advisory board in the EU Horizon 2020-project ENLIGHTENme. The board will be in place for 3½ years, from September 1st, 2021, and throughout the project period until February 28th, 2025.

Resources and budget:

It will be possible for up to 10 companies to get a reimbursement on travel- and accommodation costs, agreed in advance, to participate in the two dedicated workshops. Side-events in relation to international events will be free of charge but without reimbursement. More companies can participate at their own cost.

Disclosure:

The board can get access to information and results prior to publication, but in general it will be public data with the purpose of disclosure. If a short term of confidentiality is needed, specific guidelines will be presented in advance.

Letters of commitment

On the next pages the letters of commitment signed by the companies is included.



Letter of commitment

Board of Companies in ENLIGHTENme

Florence Lam has been invited to be involved in the Board of Companies in ENLIGHTENme.

The engagement in the board is described in the Terms of reference.

By signing this letter of commitment my company becomes a member of the board.

City and country of company: London, United Kingdom

Member of the board: Florence Lam

Company homepage: www.arup.com

A handwritten signature in black ink that reads "Florence Lam". The signature is written in a cursive style with a large initial 'F'.

28 June 2021 FLORENCE LAM

Date, name in capital letters and signature



Letter of commitment

Board of Companies in ENLIGHTENme

Chromaviso A/S has been invited to be involved in the Board of Companies in ENLIGHTENme.

The engagement in the board is described in the Terms of reference.

By signing this letter of commitment my company becomes a member of the board.

City and country of company: Aarhus, Denmark

Member of the board: Mr. Torben Skov Hansen, CTO

Company homepage: www.chromaviso.com

July 7th 2021
TORBEN SKOV HANSEN

A handwritten signature in black ink that reads "Torben Skov Hansen". The signature is written in a cursive style and is positioned above a horizontal dashed line.

Date, name in capital letters and signature



Letter of commitment

Board of Companies in ENLIGHTENme

Citelum S.A. has been invited to be involved in the Board of Companies in ENLIGHTENme.

The engagement in the board is described in the Terms of reference.

By signing this letter of commitment my company becomes a member of the board.

City and country of company: Paris, France

Member of the board: Alberto Carone

Company homepage: www.citelum.com

2/9/2021

GIOVANNI RONCAN

A handwritten signature in blue ink, appearing to read "G. Roncan", is written over a horizontal dashed line.

Date, name in capital letters and signature



Letter of commitment

Board of Companies in ENLIGHTENme

Ekosvětlo s.r.o. has been invited to be involved in the Board of Companies in ENLIGHTENme.


The engagement in the board is described in the Terms of reference.

By signing this letter of commitment my company becomes a member of the board.

City and country of company: Třebíč, Czech republic

Member of the board: Zbyněk Svoboda

Company homepage: www.ekosvetlo.cz

26TH August 2021, ZBYNĚK SVOBODA 

Date, name in capital letters and signature



Letter of commitment

Board of Companies in ENLIGHTENme

Hera Luce S.r.l. has been invited to be involved in the Board of Companies in ENLIGHTENme.

The engagement in the board is described in the Terms of reference.

By signing this letter of commitment my company becomes an extra member of the board. As extra member there are no guaranteed reimbursement on travel- and accommodation costs.

City and country of company: Cesena (FC), Italy

Member of the board: Matteo Seraceni (Head of Engineering and R&D)

Company homepage: <https://www.heraluce.it/>

Oct 8th, 2021

Alessandro Battistini
(General Manager)

A handwritten signature in black ink, appearing to read "Aen Battistini", written over a horizontal dashed line.

Date, name in capital letters and signature



Letter of commitment

Board of Companies in ENLIGHTENme

iGuzzini has been invited to be involved in the Board of Companies in ENLIGHTENme.

The engagement in the board is described in the Terms of reference.

By signing this letter of commitment my company becomes a member of the board.

City and country of company:

iGuzzini illuminazione Spa – VAT 00082630435 Via Mariano Guzzini, 37- Recanati (MC) - Italy

Member of the board: Laura Cinquarla

Company homepage: www.iguzzini.com

Recanati, 04.08.2021

Cristiano Venturini - CEO

Date, name in capital letters and signature

Firmato digitalmente da: VENTURINI CRISTIANO
Data: 04/08/2021 15:22:35

A handwritten signature in blue ink, appearing to read "Cristiano Venturini", is written over a faint blue line.



Letter of commitment

Board of Companies in ENLIGHTENme

Lichtvision Design GmbH, Carla Wilkins (IALD), has been invited to be involved in the Board of Companies in ENLIGHTENme.

The engagement in the board is described in the Terms of reference.

By signing this letter of commitment my company becomes a member of the board.

City and country of company: Berlin, Germany

Member of the board: Carla Wilkins

Company homepage: www.lichtvision.com

20.09.2021 CARLA WILKINS

A handwritten signature in black ink that reads "Carla Wilkins".

Date, name in capital letters and signature



Letter of commitment

Board of Companies in ENLIGHTENme

Ocutune ApS. has been invited to be involved in the Board of Companies in ENLIGHTENme.

The engagement in the board is described in the Terms of reference.

By signing this letter of commitment my company becomes a member of the board.

City and country of company: Copenhagen, Denmark

Member of the board: Joachim Stormly Hansen

Company homepage: www.ocutune.com

24/6-2021, JOACHIM STORMLY HANSEN

A handwritten signature in blue ink, appearing to read "Joachim Stormly Hansen", is written over a horizontal dashed line.



Letter of commitment

Board of Companies in ENLIGHTENme

Schröder SA has been invited to be involved in the Board of Companies in ENLIGHTENme.

The engagement in the board is described in the Terms of reference.

By signing this letter of commitment my company becomes a member of the board.

City and country of company: Brussels, Belgium

Member of the board: Luc Joosens

Company homepage: www.schreder.com

A handwritten signature in blue ink, appearing to read "Luc Joosens", is written over a horizontal line.

27/08/2021, LUC JOOSENS (Rep. RBS BV)

Date, name in capital letters and signature



Letter of commitment

Board of Companies in ENLIGHTENme

Signify has been invited to be involved in the Board of Companies in ENLIGHTENme.

The engagement in the board is described in the Terms of reference.

By signing this letter of commitment my company becomes a member of the board.

City and country of company: Eindhoven, The Netherlands

Member of the board: Ronald Maandonks

Company homepage: [Signify.com](https://www.signify.com)

August 19, 2021, Ronald Maandonks

Date, name in capital letters and signature

A handwritten signature in blue ink, appearing to be "Ronald Maandonks", is written over a horizontal dashed line. The signature is stylized and somewhat abstract.



Letter of commitment

Board of Companies in ENLIGHTENme

Zumtobel Group has been invited to be involved in the Board of Companies in ENLIGHTENme.

The engagement in the board is described in the Terms of reference.

By signing this letter of commitment my company becomes a member of the board.

City and country of company: Dornbirn, Austria

Member of the board: Nicklas Nilsson

Company homepage: z.lighting

13 July 2021 NICKLAS NILSSON

Date, name in capital letters and signature



Letter of commitment

Board of Companies in ENLIGHTENme

Lumie has been invited to be involved in the Board of Companies in ENLIGHTENme.

The engagement in the board is described in the Terms of reference.

By signing this letter of commitment my company becomes a member of the board.

City and country of company: Cambridge, UK

Member of the board: Jonathan Cridland

Company homepage: <https://www.lumie.com/>

A handwritten signature in blue ink, appearing to be 'Jonathan Cridland', is written over a horizontal line.

Jonathan Cridland
CEO, Outside In (Cambridge) Ltd trading as Lumie
9 August 2021

Date, name in capital letters and signature



038 - 434.267 (02) 03030443/030333

Letter of commitment

Board of Companies in ENLIGHTENme

NERI SpA has been invited to be involved in the Board of Companies in ENLIGHTENme.

The engagement in the board is described in the Terms of reference.

By signing this letter of commitment my company becomes a member of the board.

City and country of company: LONGIANO (FC), ITALY

Member of the board: MICHELE BASSI (main), CESARE COPPEDE'

Company homepage: www.neri.biz

4/8/2021, ISACCO NERI

Date, name in capital letters and signature

Agendas of the first two meetings

In the next pages the agenda of the following meetings are provided:

- Kick off meeting of the Board of Lighting Companies, held in Tartu and virtually (blended formula) on 29th October 2021
- Board of Lighting Companies meeting, held online on 31st March 2022



Dear boardmembers,

We are looking forward to the kick-off on Friday. As announced the programme is divided into two sessions.

Please take a look into the programme for the different areas of your participation. There will be a roundtable to shortly present yourself in the afternoon, and there will be different discussion sessions.

Times are in EET and participants are either onsite in Tartu, Estonia or online on Zoom.

The morning programme

09.00 – 09.45 Presentation of the ENLIGHTENme project – University of Bologna

09.45 – 10.00 Presentation of the Board of Lighting Companies (BLC) – Gate 21

10.00 – 10.15 Presentation of the HULAB (board of cities) – LUCI

10.15 – 10.30 Q&A – All participants

(10.30 – 11.00 Coffee break for HULAB and BLC in Tartu, followed by LUCI programme)

The afternoon programme

14.00 – 14.10 Welcome to the Board of Lighting Companies – Sif Enevold, Gate 21

14.10 – 14.50 Presentation of the members – All participants

Each member has **two minutes**. Please focus on:

- the fields of expertise you bring into the board
- your motivation for participating in the BLC

14.50 – 15.05 Break out session in three groups – get to know each other

15.05 – 15.20 Workplan, types of meetings and collaboration – Sif Enevold, Gate 21

15.20 – 15.30 Communication – Peter Liljenberg, Gate 21

15.30 – 15.50 Coffee break (in Tartu together with HULAB)

15.50 – 15.55 Short intro on the next break out discussion – Camilla Rosendahl, Gate 21

15.55 – 16.25 Break out session – lighting for health and wellbeing

Please focus on

- the most important topics to address from a company point of view
- the kind of results you wish that the ENLIGHTENme project will yield
- any obstacles you find important for the project to know about

16.25 – 16.55 Main take away for the project consortium – All participants

16.55 – 17.15 Next step (workplan, online platform, communication) – All participants

Sif Enevold

Emne:	Board of Lighting Companies
Sted:	Microsoft Teams-møde
Start:	to 31-03-2022 13:00
Slut:	to 31-03-2022 16:00
Gentagelse:	(ingen)
Mødestatus:	Mødearrangør
Arrangør:	Sif Enevold
Nødvendige deltagere:	Florence Lam; Carla Wilkins - Lichtvision; Torben Skov Hansen; Joachim SH; JOOSSENS Luc; Alberto Carone; Zbyněk Svoboda; Laura Cinquarola; Michele Bassi; Cesare Coppedè; Seraceni Matteo; R Maandonks; Jonathan Cridland; Nilsson Nicklas; Camilla Rosendahl; Peter Liljenberg

Dear Board of Lighting Companies (BLC),

I am looking forward to the meeting tomorrow. We will be in different sessions – and both on Microsoft Teams and Zoom. The Microsoft Teams link is the same for the first and the last part. If you are having trouble with the links please call at +45 31 45 67 47

Programme:

13.00 – 13.30 BLC Introduction, the meeting today, follow up and next steps (Teams)

13.30 – 14.30 Common meeting between HULAB (board of cities) and BLC (Zoom)

<https://unibo.zoom.us/j/92884215194?pwd=YnFtL2Y2MkozWTJBc0pCc050c1BLdz09>

13.30 – 13.40 Welcome notes and participants registration

13.40 – 14.30 Mapping indicators and existing knowledge about good practices on urban lighting for health and wellbeing, ENLIGHTENme state of the art by Aitziber Egusquiza, Tecnalia and Don Slater, London School of Economics

14.30 – 14.40 Break

14.40 – 16.00 Board of Lighting Companies (Teams)

14:40 – 15.05 Medical research and lighting therapy intervention and Q&A, Marijke Gordijn, Chrono@work

15.05 – 15.45 Urban lighting interventions and Urban Living Labs and Q&A — Elettra Bordonaro, Light Follows Behaviour /London School of Economics and Don Slater, London School of Economics

15.45 – 16.00 Discussions – All participants

Microsoft Teams-møde

Deltag på din computer eller mobilapp

[Klik her for at deltage i mødet](#)

Deltag med en videomøde-enhed

gate21@m.webex.com

Videomøde-id: 121 504 371 2

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