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Press Release

LightingEurope Publishes *Quantified Benefits of Human Centric Lighting*

Following their ground-breaking joint study, *Human Centric Lighting: Going Beyond Energy Efficiency*, LightingEurope and the German Electrical and Electronic Manufacturers' Association (ZVEI), along with AT Kearney who developed a calculating model which forms the basis of this report, are pleased to publish the follow-up study: ***Quantified Benefits of Human Centric Lighting***.

Human Centric Lighting is the inclusion of visual and non-visual (biological) needs of humans in the design of lighting applications. For the first time, the benefits and value of Human Centric Lighting have been quantified at a micro and macro level.

On the micro level (from the perspective of individual investors, e.g. facility owners), the most significant quantified benefits are realized in industrial segments due to the dominant impact of productivity increases. Medical and elderly care segments show less attractive quantified benefits, as most savings cannot be realized by the investor but by other stakeholders, e.g. insurance companies.

On the macro level (from the perspective of the general public, e.g. health insurances), simulations yield Human Centric Lighting effects for Europe in 2020 of up to € 0.87 billion, assuming a realistic market penetration and € 12.8 billion if the 2020 lighting market was fully penetrated by Human Centric Lighting. In most segments, benefits for owners and investors dominate. However, additional social and public benefits can also justify Human Centric Lighting increases.

While more studies are needed to convert estimated benefits into scientifically confirmed values, the initial findings indicate that Human Centric Lighting presents significant and quantifiable benefits.

LightingEurope is an industry association of 31 European lighting manufacturers, national associations, and companies producing materials. LightingEurope members represent over 1,000 European companies, a majority of which are SMEs; a total work force of over 100,000 people in Europe; and an annual turnover estimated to exceed 20 billion euros. LightingEurope is dedicated to promoting efficient lighting practices for the benefit of the global environment, human comfort, and the health and safety of consumers.

To download the full study, visit:

http://www.lightingeurope.org/uploads/files/Quantified_Benefits_of_Human_Centric_Lighting_April_2015.pdf

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