

## **PUBLIC MANIFESTO ANPCEN 2015**

**Association Nationale pour la Protection du Ciel et de l'Environnement Nocturnes**

**IN THE CONTEXT OF THE INTERNATIONAL YEAR OF LIGHT  
PROCLAIMED BY UNESCO, AND THE COP21 IN FRANCE**



### **Dream up the lighting of the XXIst century !**

*Modernity does not lie, by far, in the only acquisition of the latest lighting technology available ! Think up without waiting the lighting of the XXIst century. ANPCEN, with France Nature Environnement et Societe Astronomique de France, resolutely carries a pioneer and different voice. It wants a more contemporary and responsible approach of lighting, to avoid recurrence of policies of the previous century, based more on the promotion of the offer of manufacturers and installers than on the search for detailed analysis in response to real needs of lighting. The approach of the twentieth century was more oriented by prescriptions developing standardized approaches. The future requires much more appropriate answers to the specificities of each place to light. Let us look now light differently.*

The dual approach by economic supply and standardization has led to over-equipment and over-outdoor night lighting. The overall amount of light emitted at night has increased steadily in the twentieth century. In France : 89% of lighting fixtures have been added from 1992 to 2012. The impacts of lighting on the environment, biodiversity, health, capacity for all to observe the starry sky ... the impact on public expenses, have not been integrated.

**It is time in 2015 to change and innovate collectively in the context of the International Year of Light proclaimed by UNESCO and the COP21.**

Innovation requires a comprehensive approach and not exclusively technical and economic. It requires a response to real needs and only them. We have noticed that the only search for energy efficiency is no way equivalent to energy sobriety and even less to light sobriety. We often see the opposite : some energy consumption reductions are accompanied in reality by more lighting ... And the progress in luminous efficacy is still insufficiently followed by a decrease of electric power installed or light emissions ...

Modernity is also now to integrate impacts (or externalities) on environment, society and health from conception throughout the life cycle of lamps and lighting fixtures and their management in situ. It is time to promote an overall cost approach including investment, operation phase, maintenance, collection and recycling. In the manner of movement at work in many other economic sectors that have done their "Corporate Social Responsibility" a factor of modernity and innovation, taking followed public commitments, meeting the management expected from leaders that open new ways.

**ANPCEN, with France Nature Environnement et Societe Astronomique de France, again carries a different voice with pioneering principles adapted to the XXIst century ! Here is the public claim of ANPCEN.....**

**In 2015 ... in the century, especially in Europe or in developed countries, modernity of light is now :**

**- to ask differently the questions about lighting while taking into account stakes of the XXIst century,**

**- no longer to increase the overall amount of artificial light at night released but decrease it,**

**- to increase the amount of daytime natural light brought indoors in private and professional spaces,**

**- no longer to automatically set minimum light levels to maintain at night, but set limits to adopt collectively ; realize that the existence of limits in a world with finite ressources is a condition of existence for all future generations,**

**- to decidedly adopt a comprehensive, transversal and integrated approach for dealing with different issues of artificial light at night in order to reach a better consistency,**

**- to decidedly take into account externalities or impacts of artificial light at night on environment, climate change, nighttime landscapes and biodiversity, health, use of raw materials such as rare earth elements, cultural, citizen or scientific observations of starry sky ... to connect « precisely » lighting with other big issues of the century,**

**- solidarity with neighborhoods districts, cities, nations... to respect the consequences of lighting choices onto the light pollution propagating at distance from lighting fixtures,**

**- to better share nighttime and the quality of night with other livings of biodiversity,**

**- to change the uses of light, first by common sense measures, without cost, simple and with immediate effects in Euros, kWh and avoided light pollution ; then progress by certain equipments or investments,**

**- to take into account for some investments their over-cost, operating costs and maintenance in debts and municipal budgets, so tax for the citizens. Involve citizens to the challenges, choices and consequences of lighting,**

**- to ecodesign, recycle, and reuse,**

**- to value the nature of the services rendered by the function of lighting, rather than by material only ; to change economic offers with the principles of the service economy (guaranteeing functions and not just products) and those of the circular economy (favoring the approach and management cycles, more inspired solutions found by the living)**

**- to meet the real needs of people, sites and environment by advising ; to design custom installations,**

- to publicly commit economic actors of the sector : manufacturers, installers, designers, about their corporate social responsibility (CSR), in view of the 7 areas of ISO26000 guidelines. And to commit publicly against planned obsolescence,
- to answer in non-compulsory standards about taking into account a visible consideration of environmental issues,
- to organize rules and a regulatory framework in collaboration,
- to make public data on public lighting and to create independant documents on public lighting.

**Definitively, in 2015 and in the XXIst century, modernity of light is no longer :**

- technology for only principle or value of progress, without questions about the purposes and the impacts,
- the only photometric or energy efficiency approaches, without a global analysis,
- the multiplication of lighting plans and the increase of artificial light emitted at night,
- the only prescriptions of technical and financial investments, with no improvement in the different use of light and the use of common sense,
- the choices of lighting systems mainly directed by massive and organized logic of the economic offer,
- normalized and standardized approaches, poorly or not suited to wishes of elected officials, stakeholders, citizens and field characteristics.

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