



Recasting the EPBD – Position of the Lighting Industry

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- **Energy consumption for Lighting in the EU**
- **Activities CEN/TC 169 „Light + Lighting“**
- **Content of EN 15193**
- **Use of mandated EPBD Standards**
- **Recast of EPBD**
- **Lighting System Legislation**
- **McKinsey Study**

Energy consumption for lighting in the EU

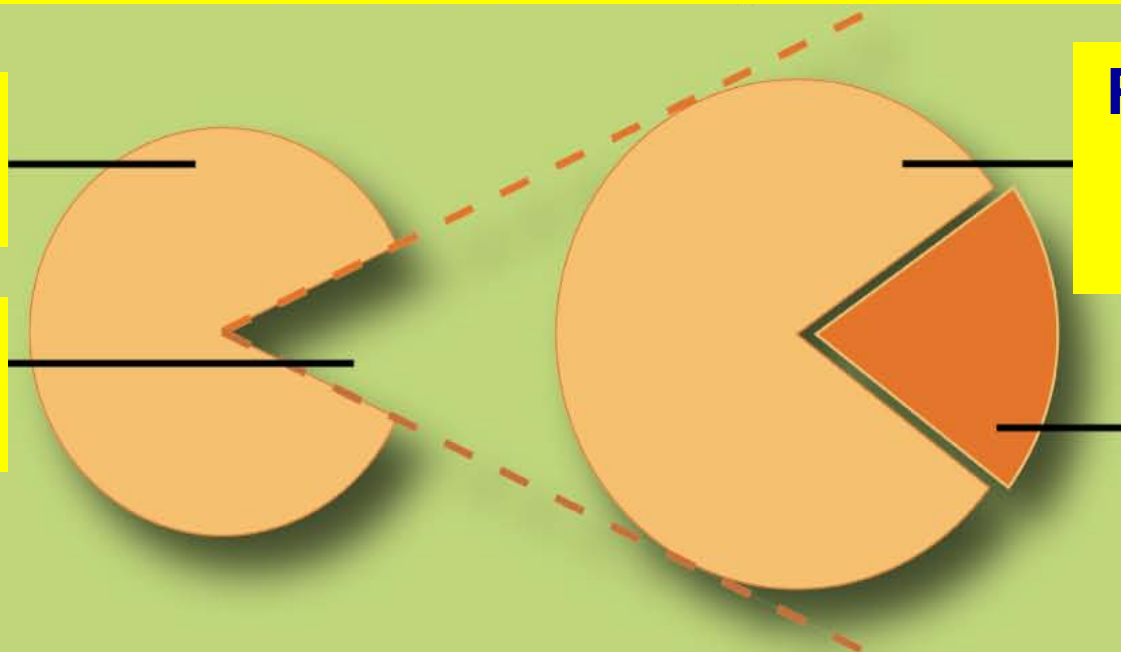
Energy consumption per year

Others
86 %

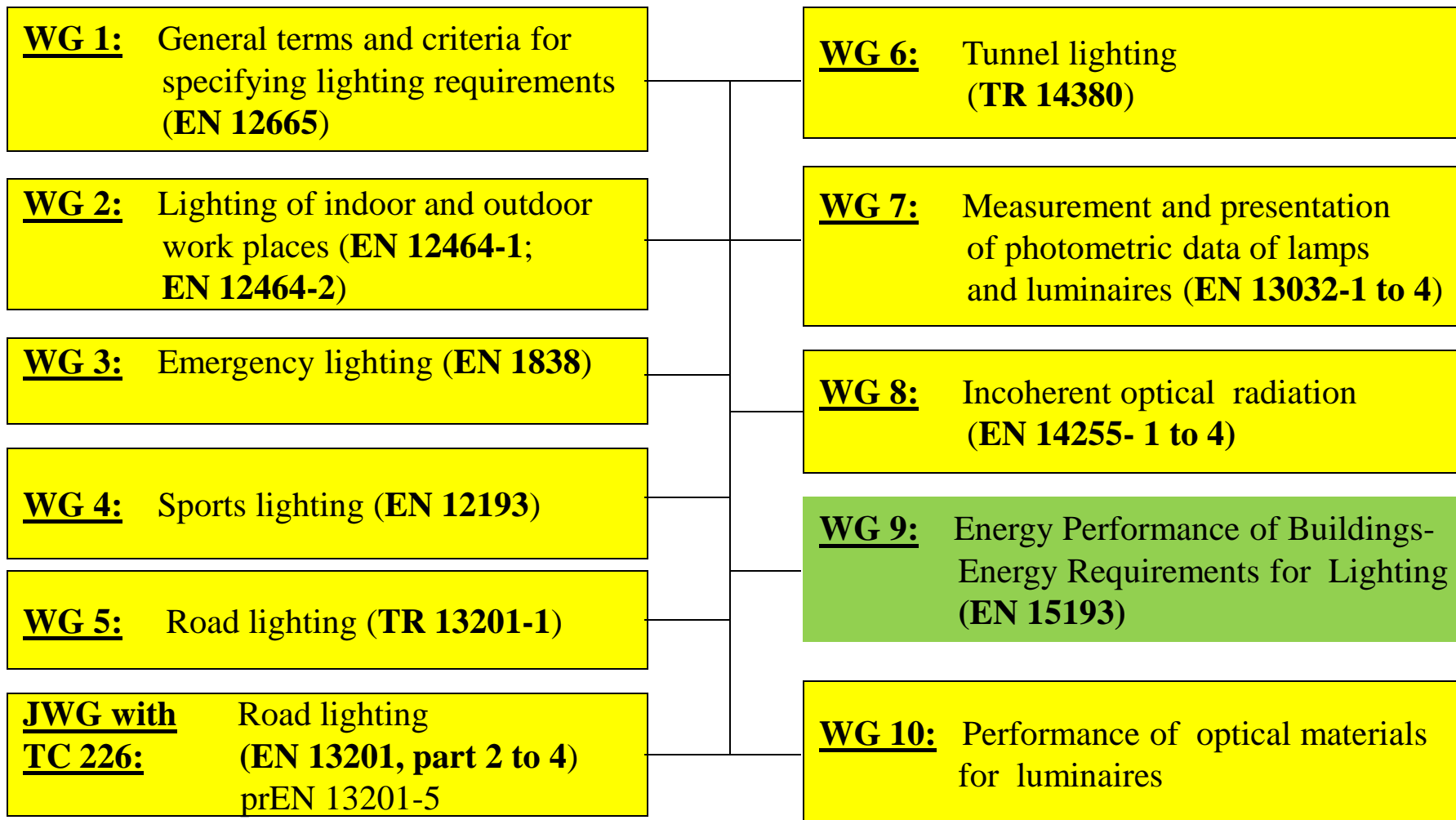
Lighting
14 %

Professional Lighting
80 %

Private Lighting
20 %



Activities CEN/TC 169 „Light and Lighting“



EN 15193: Energy performance of buildings – Energy requirements for lighting

- **Introductions**
- **Scope**
- **Normative references**
- **Terms and Definitions**
- **Calculating energy used for lighting**
- **Metering**
- **Calculation of lighting energy in buildings**
- **Benchmark of lighting energy requirements**
- **Lighting design and practice**
- **Annex A to I**
- **Bibliography**



Use of mandated EPBD standard EN 15193 in the EU Member States



- **Implementation of the EPBD: Country reports 2008**
(www.buildingsplatform.eu)
- **Lighting only mentioned in Austria, Germany, Malta, Netherlands, Romania and Slovak Republic**
- **Only directly applied in Austria via ÖNORM H 5095**

Recast of EPBD /Result 1st Reading EP



A- mend- ment	Para- graph	Content	Reason
4	Recital 9	Defines a single EU wide methodology for lighting systems, taking into account European existing standards	<ul style="list-style-type: none">- Use mandated- EPBD standards- Harmonise EU- market- Avoid market distortion

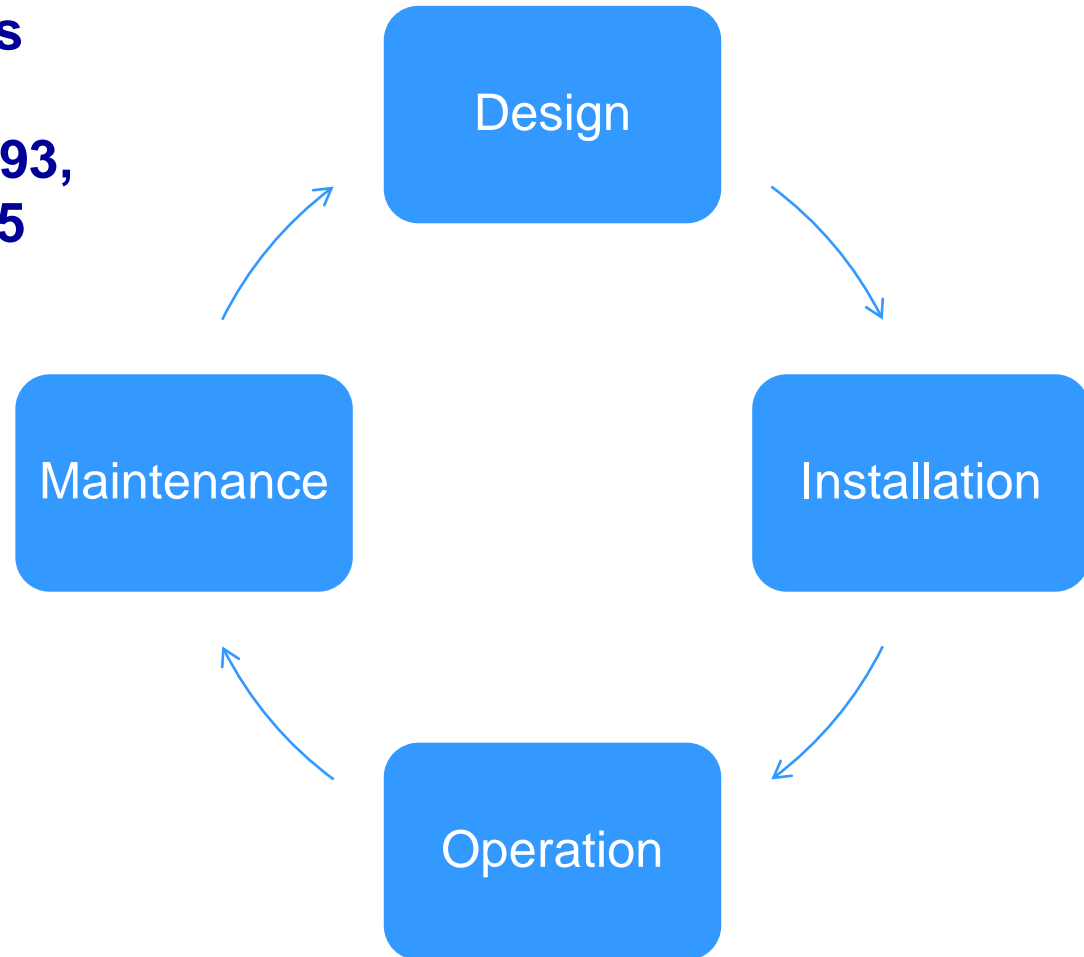
Recast of EPBD / Result 1st Reading EP - Request for a Lighting System Legislation



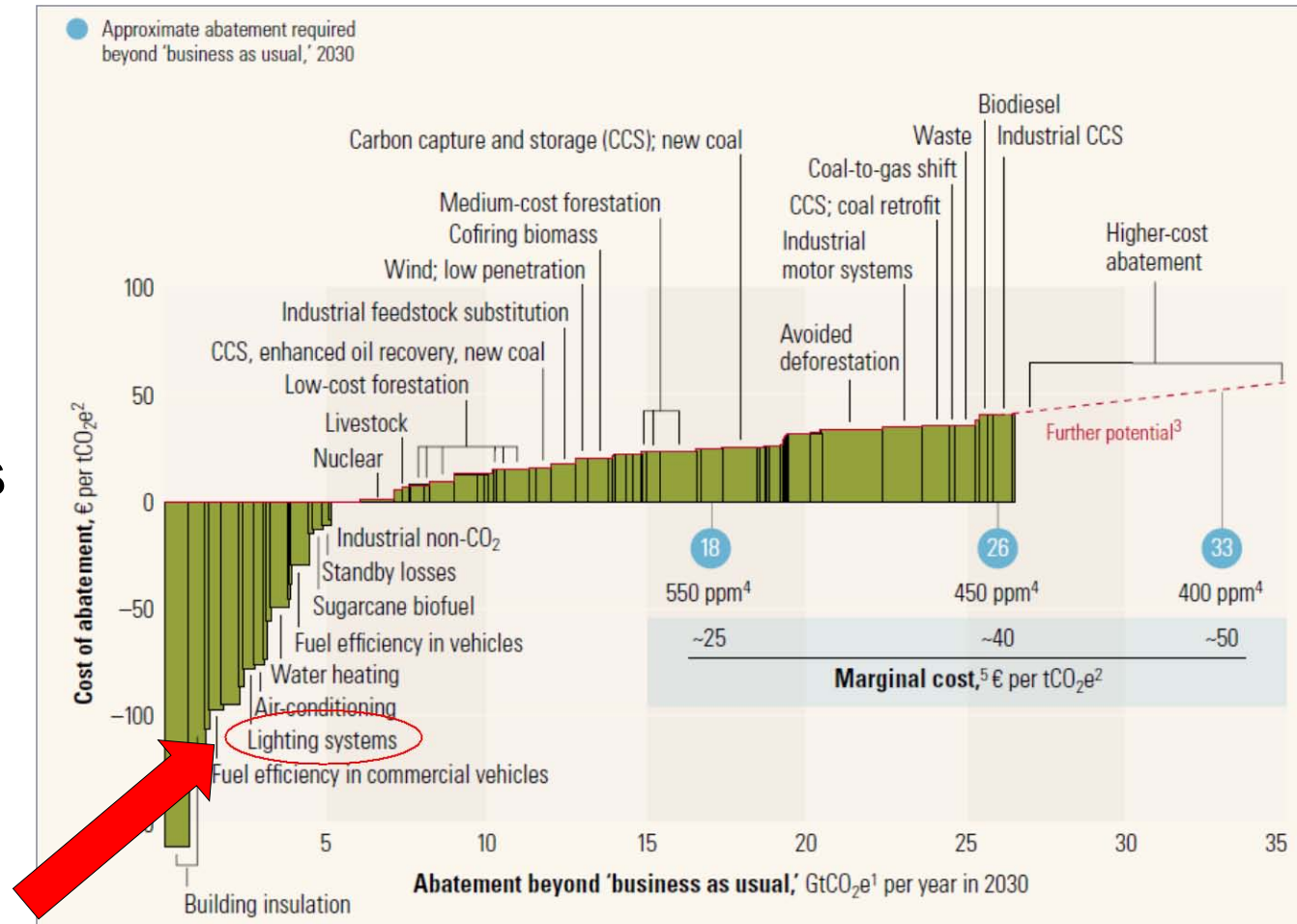
Amendment	Paragraph	Content	Reason
23	Recital 23a	<ul style="list-style-type: none">- Use huge saving potential in lighting (up to 80 %)- Initiate steps to adopt a Lighting System/ Design Legislation	<ul style="list-style-type: none">- Installed lighting systems older than 30 years!- Lighting System/ Design Legislation guarantees correct design, installation operation and maintenance of Lighting System

Lighting System Legislation

Defines requirements based on European Standards, like EN 15193, EN 12464-1, EN 12665



Lighting one of the lowest hanging fruits in greenhouse abatement costs (published in McKinsey Quarterly 2007 number 1)



cost curve for greenhouse gas reduction – McKinsey 2007