

Department for Environment, Food and Rural Affairs

Government Buying Standards for lighting systems

Version	Date	Notes
3.0	November 2015	Minor amendments to criteria where market availability of better performing products and/or standards and labelling have changed.
2.0	April 2011	
1.0	May 2008	Introduction of Buy Sustainable – Quick Wins format

Mandatory level

Energy Efficiency	<p>Average total system efficacy must exceed 57 luminaire-lumens per circuit watt for office, storage, industrial, classroom and exterior systems. This is the amount of light emitted by the entire lighting system, divided by the power consumed by the lamp(s) and any control gear.</p> <p>For residential applications, the average total system efficacy should exceed 30 luminaire-lumens per circuit watt.</p> <p>For amenity, accent and display lighting, the average total system efficacy should exceed 35 luminaire-lumens per circuit watt.</p>
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Best Practice Level

Energy Efficiency	<p>For general lighting, total system efficacy must exceed 60 luminaire-lumens per circuit watt.</p> <p>Luminaires to be dimmable.</p> <p>For amenity, accent and display lighting, total system efficacy must exceed 46 luminaire-lumens per circuit watt. Compact metal halide or light emitting diode systems should be considered.</p>
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Additional Information

- [ENHANCED CAPITAL ALLOWANCE \(ECA\) SCHEME](#): See the ECA Energy Technology Criteria List for high efficiency lighting units in industrial and retail applications;
- [INFORMATION FROM CARBON TRUST ON REDUCING CARBON EMISSIONS FROM LIGHTING](#)