

Lighting systems standards

Date	Version no	Change
May 2008	1.0	Introduction of Buy Sustainable – Quick Wins format
April 2011	2.0	

IMPACT AREA	MANDATORY
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>

IMPACT AREA	BEST PRACTICE
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>

See also

- [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](#)