ENERGY EFFICIENCY INDEX

The EUs Energy Efficiency Index (EEI) indicates the energy efficiency of a lamp (or light engine).

EEI is calculated from: $\frac{P_{(cor)}}{P_{(ref)}}$

$P_{(cor)}$ = (for L.E.D's with external driver) 1.1 x rated power

$P_{(ref)} = (0.88\sqrt{\Phi} + 0.049\Phi)$ for <1300Lm or for ≥1300Lm 0.07341Φ

Φ = useful luminous flux

the limits are given is the table below:

	Class	Non-Directional Lamps	Directional Lamps
Most energy efficient ...	A++	EEI ≤ 0.11	EEI ≤ 0.13
	A+	0.11 < EEI ≤ 0.17	0.13 < EEI ≤ 0.18
	A	0.17 < EEI ≤ 0.24	0.18 < EEI ≤ 0.40
	B	0.24 < EEI ≤ 0.60	0.40 < EEI ≤ 0.95
	C	0.60 < EEI ≤ 0.80	0.95 < EEI ≤ 1.2
	D	0.80 < EEI ≤ 0.95	1.20 < EEI ≤ 1.75
Least energy efficient ...	E	EEI > 0.95	EEI > 1.75

EEI is shown by a product or box label as below, but is also indicated by just the letters, i.e. **A+**