



## L.E.D. COMPARISON SAVINGS AND CARBON EMISSIONS

Equipment	2 x 11w baselight	LED baselight
Type	Superior	Superior
Total Consumption Per Unit Including Driver	36 watts	4 watts
24 Hours Per Day	314,469 watts pa 8760 hours pa	35,040 watts pa 8760 hours pa
KW Per Annum	314.49 kw pa	35.04 kw pa
11.5p Per Kw Hour	£36.16 per annum	£2.80 per annum
Clean & Lamp Change	£180.00 over 5 years	£40.00 over 5 years
Incorporating Lamp change at £25.00 every year and a clean external at £20.00 per year from year 2. These are typical.		
Carbon Per Unit	0.17 metric tonne pa	0.01 metric tonne pa
Calculated by KW/PA x (0.54418) = CO <sub>2</sub> per 1000 unit. Divide by 1000 for single figure then by number required.		
Carbon X 1000 Units	171.10 metric tonnes pa	19.06 metric tonnes pa
These calculations are based upon per sign light and per base light charged at 11.5 pence per kw hour		
Note. On average electricity sourced emits 1.297lbs of CO <sub>2</sub> per Kw hour. (0.54418) metric tonne per Kw hour.		
Gear Tray can be purchased as a RETRO FIT Purchase		

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