

## Environment Department – Streetscene

### Summary of the costs and benefits of replacing existing luminaries with more energy efficient models.

Lantern	Energy cost per year / light	Cost to replace with Cosmopolis lantern (Assumes work carried out during routine maintenance i.e. no labour cost added)*	Saving/Year- With dimming option (£)	Return on investment (Yrs)	Saving/Year – With part night option (£)	Return on investment (Yrs)
Conventional 90w SOX (orange) lamp - no dimming or part night lighting	£ 43.73	£270 (Approx)	£ 12.40	21.7 yrs	£ 25.50	10.6 yrs
Conventional 100w SON (golden) lamp - no dimming or part night lighting	£ 43.73	£270 (Approx)	£ 12.40	21.7 yrs	£ 25.50	10.6 yrs
Cosmopolis (white) lantern 90w	£ 37.98					
Cosmopolis lantern - part night dimming (as proposed policy 22.00 – 06.00hrs)	£ 31.33					
Cosmopolis lantern part night lighting (as proposed policy 0.00 – 06.00 hrs)	£ 18.23					

Figures based on mid lighting range 90w light (or equiv)

\* Labour costs would be approx £50 per lantern