



Artificial light in gardens disrupts natural behaviour for some wildlife, so it is important to retain some dark areas. Modify existing light fittings with shields, baffles, louvres or motion sensors to reduce light spill. There is a potential for cost saving through reduced electricity use.

Suitability	Low, medium and high density housing.
Management type	Sustainable lighting – modify existing light fittings with shields / baffles / louvres / motion sensors etc. to reduce light pollution.
Supplier information	Various suppliers available. The Institution for Lighting Professionals (ILP) has produced useful guidance for the reduction of obtrusive light: http://theilp.org.uk/publication/guidance-note-1-for-the-reduction-of-obtrusive-light-2020 .
Community engagement?	No – light modifications should be carried out by a professional technician.
Benefits	<ul style="list-style-type: none"> • Reduces negative impacts on wildlife: Artificial light in gardens disrupts natural behaviour for some wildlife (e.g. feeding, breeding cycles) so it is important to retain some dark areas. Garden birds are disturbed from sleep by sudden lighting and can begin singing before dawn, wasting energy, with the potential knock-on effect of disrupting residents' sleep. • Reduces light pollution for humans, which can cause disruption to sleep patterns. • Reduced energy costs.
Costs/Disbenefit	<ul style="list-style-type: none"> • Financial cost: Low to medium (depending on number of lights and type of modification). Cost-saving potential in the long-term. • Security concerns may be an issue so lighting improvement plans should be discussed and agreed with residents beforehand.
Level of ongoing maintenance	Low.



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SUSTAINABILITY

Sustainable lighting

		Notes
How achieved	<ul style="list-style-type: none">• Fit the correct light for the required task.• Use the minimum level of brightness and avoid white/blue 'daylight' colour LED bulbs (5000-6000 Kelvin range) as this has negative effects on wildlife; opt for 'warm white' colour range LED bulbs (2700-3000 Kelvin range).• Install and adjust all lights correctly to minimise light spill.• Operate lights for the minimum required time (e.g. by fitting motion sensors and/or timers).	
Timing of activity	Any time.	
Long-term management	Minimal – check condition of lights, shields, motion sensors etc. and that all are functioning correctly.	