



Yorkshire Dales National Park Dark Sky Reserve Help protect our Dark Skies. Dark Skies Friendly Lighting Advice

This document is intended as a brief summary to help understand the impact of poor lighting and to offer examples of lighting to reduce nuisance and light pollution. It contains examples of lighting considered to be Dark Skies Friendly and suitable for use in reducing light spill/nuisance. For more advice download our [‘Lighting Advice in the Yorkshire Dales’](#) leaflet.

Additional documents offering more information on planning guidance and a more detailed document with more technical lighting details will be made available by Winter 2021.

For visitors or residents in a beautiful protected landscape such as Yorkshire Dales National Park, Dark Sky vistas and night-time habitats are every bit as important as those we see during the day. The benefits of using appropriate, well controlled LED are numerous and should appeal to everybody. Sensitive installed and adjusted lighting helps protect wildlife habitat, promotes stargazing, helps the local economy, improves tranquillity by reducing nuisance and saves money with reduces carbon emissions.



Poorly adjusted lights cause glare and nuisance which reduces safety, impacts wildlife and pollutes dark skies



Shielded warm white lights with appropriate controls provide directed light only where and when it is needed.

Basic advice for most lighting situations is simple and shouldn't just be considered for use in protected landscapes, but also in towns and cities. In fact, light pollution is one of the easiest forms to reduce and prevent. In protecting our Dark Skies there's no need to remove all lighting, we all need a certain amount of light at night, but we should encourage the sensitive use of appropriate lighting. In most scenarios the advice is simple:

- Only light what is needed – don't waste light or cause nuisance, use shielded down lights
- Only light when it is needed – use sensors or timers and don't have lights on all night
- Only light at a suitable level – 500 lumens is enough for most residential uses
- Use the correct colour temperature – use warm white light of 2700k (or 3000k maximum)

For more advice download our ['Lighting Advice in the Yorkshire Dales'](#) leaflet.

Important note: Remember that planning guidance should always be sought for lighting as part of new building/property development applications within the National Park. Specifying the correct lighting from the beginning will make the process easier.

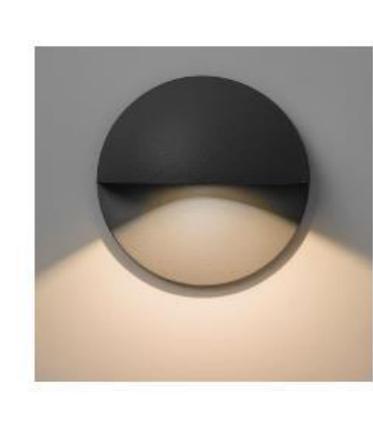
The following section shows the type of lights that are considered suitable for meeting the guidance criteria listed above. Where links are included, it should not be considered an endorsement by the Yorkshire Dales National Park Authority of any particular light, manufacturer or supplier, but as a guide as to the type of lighting that is considered acceptable.

Some lights come with built in PIR sensors, but where they don't a separate one should be installed (or a timer switch) to ensure lights are only on when needed. Remember that thieves need light to operate and lights that are on all night in dark landscapes can alert them to your presence. Sensors will warn you of an unplanned/unwanted presence.

Important note: Always check that light specifications meet your needs and where public health and safety is important you may want to seek the advice of a qualified lighting engineer. Always ensure lights are installed by a fully qualified electrician.

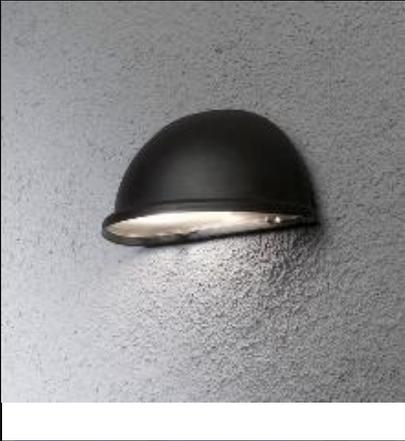
Types of lighting considered suitable for Dark Sky Compliance

(links and prices correct as at September 2021)

	<p>Search: Nordlux Scorpius wall light Approx. cost £25-£35. (09/03/2021)</p> <p>Must be fitted with warm white 2700k bulb no greater than 500 lumens. Recommend LED for lower running costs.</p>
	<p>Search: Nordlux Tin wall light (downlight version only) Approx. cost £20-£25. (09/03/2021)</p> <p>Must be fitted with warm white 2700k bulb no greater than 500 lumens. Recommend LED for lower running costs.</p>
	<p>Search Nordlux Arki wall light Approx. cost £55-£75. (09/03/2021)</p> <p>Must be fitted with warm white 2700k bulb no greater than 500 lumens. Recommend LED for lower running costs.</p>
	<p>Search: SEVERUS LANDSCAPE INDIRECT IP65 2W WARM WHITE</p> <p>Approx. cost £20 (11/03/2021)</p>
	<p>https://www.oceanlighting.co.uk/garden-lights-c96/wall-lights-c101/astro-7264-tivoli-1-light-outdoor-wall-light-black-ip65-p26523</p> <p>Search: Astro Tivoli 1 Light Outdoor Wall Light</p> <p>Approx. cost £65 (16/04/2021)</p> <p>Must be fitted with warm white 2700k bulb no greater than 500 lumens. Recommend LED for lower running costs.</p>

	<p>https://www.oceanlighting.co.uk/garden-lights-c96/wall-lights-c101/astro-7980-stornoway-coastal-outdoor-wall-light-ip33-antique-brass-p31042</p> <p>Search: Astro Stornoway Coastal Outdoor Wall Light</p> <p>Approx. cost £200 (16/03/21)</p> <p>Must be fitted with warm white 2700k bulb no greater than 500 lumens. Recommend LED for lower running costs.</p>
	<p>https://www.oceanlighting.co.uk/garden-lights-c96/wall-lights-c101/astro-7126-chios-80-1-light-outdoor-wall-light-ip44-black-p24620</p> <p>Search: Astro Chios 80 1 Light Outdoor Wall Light</p> <p>Approx. cost £30 (16/04/21)</p> <p>Must be fitted with warm white 2700k bulb no greater than 500 lumens. Recommend LED for lower running costs.</p>
	<p>https://www.oceanlighting.co.uk/garden-lights-c96/wall-lights-c101/astro-8565-mast-light-1-light-outdoor-wall-light-ip65-black-1317011-p26611</p> <p>Search: Astro Mast Light 1 Light Outdoor Wall Light</p> <p>Approx. cost £40 (16/04/21)</p> <p>Must be fitted with warm white 2700k bulb no greater than 500 lumens. Recommend LED for lower running costs.</p>
	<p>https://www.oceanlighting.co.uk/garden-lights-c96/wall-lights-c101/astro-7370-orpheus-led-outdoor-wall-light-white-ip65-p26669</p> <p>Search: Astro Orpheus LED Outdoor Wall Light White IP65</p> <p>Approx. cost £60 (16/04/21)</p> <p>Must be fitted with warm white 2700k bulb no greater than 500 lumens. Recommend LED for lower running costs.</p>
	<p>https://www.lyco.co.uk/torino-wall-washer-black.html?gclid=Cj0KCQjwzZj2BRDVARIsABs3I9K3kOYOXna2CI0HE1gB8BeYabHiHuBbJTz5pJWmOqc4Mk_KLM-aj58aAvUFEALw_wcB</p> <p>Search: Konstsmide Torino Outdoor Wall</p> <p>Approx. cost £24 (16/04/21)</p> <p>Must be fitted with warm white 2700k bulb no greater than 500 lumens. Recommend LED for lower running costs.</p>

	<p>Search: Luceco LED wedge light</p> <p>Approx. cost £20 (16/04/21)</p> <p>Must be fitted with warm white 2700k bulb no greater than 500 lumens. Recommend LED for lower running costs.</p>
	<p>Search: Phillips Virga light</p> <p>Approx. cost £32 (16/04/21)</p> <p>Must be fitted with warm white 2700k bulb no greater than 500 lumens. Recommend LED for lower running costs.</p>
	<p>https://www.electricaldirect.co.uk/product/forum-neso-led-single-downlight-light-black-300634?vat=1&shopping=true&gclid=Cj0KCQjwzZj2BRDVARIsABs3I9JnyncPoiOMFM3HVAjd8q-GnUYsUNIsZX5IX-024lpFC4wrdon59dUaAsX5EALw_wcB</p> <p>Search: Forum Neso Single Downlight Light</p> <p>Approx. cost £10 (16/04/21)</p> <p>Must be fitted with warm white 2700k bulb no greater than 500 lumens. Recommend LED for lower running costs.</p>
	<p>Search: LUCIDE ZORA ROUND LED OUTDOOR WALL LIGHT</p> <p>Approx. cost £24 (16/04/21)</p> <p>Downlight version only. Must be fitted with warm white 2700k bulb no greater than 500 lumens. Recommend LED for lower running costs.</p>
	<p>Search: LUCIDE ZORA ROUND LED OUTDOOR WALL LIGHT</p> <p>Approx. cost £24 (16/04/21)</p> <p>Downlight version only. Must be fitted with warm white 2700k bulb no greater than 500 lumens. Recommend LED for lower running costs.</p>

	<p>https://www.lighting-direct.co.uk/torino-wall-washer-black.html</p> <p>Search: KONSTSMIDE TORINO LARGE OUTDOOR WALL LIGHT</p> <p>Approx. cost £30 (21/04/21).</p> <p>Also available in galvanised finish</p> <p>Must be fitted with warm white 2700k bulb no greater than 500 lumens. Recommend LED for lower running costs.</p>
	<p>Search: Lucide Nando Path Light</p> <p>Approx. cost £80 (21/04/21)</p> <p>Must be fitted with warm white 2700k bulb no greater than 500 lumens. Recommend LED for lower running costs.</p>
	<p>https://www.lighting-direct.co.uk/torino-large-wall-washer-galvanised-steel.html</p> <p>Search: KONSTSMIDE TORINO LARGE OUTDOOR WALL LIGHT</p> <p>Approx. cost £30 (21/04/21). Also available in galvanised finish. Also available in black</p> <p>Must be fitted with warm white 2700k bulb no greater than 500 lumens. Recommend LED for lower running costs.</p>
	<p>Search: Astro Porto 1 Light Outdoor Wall Light</p> <p>Approx. cost. £28 (21/04/21)</p> <p>Must be fitted with warm white 2700k bulb no greater than 500 lumens. Recommend LED for lower running costs.</p>
	<p>Search: Astro Dartmouth Single 1 Light Outdoor Wall Light</p> <p>Approx. cost. £28 (21/04/21)</p> <p>Must be fitted with warm white 2700k bulb no greater than 500 lumens. Recommend LED for lower running costs.</p>



Search Phillips Ledinaire 10W 3000k warm white

10W 1000 lumens 3000k. Also available in 20W 2000 lumens 3000k

Approx. cost £14-£20 (21/04/21)

Note: Must be mounted flat to prevent upward light spill or nuisance to neighbours

Acknowledgement

This lighting advice note has been produced following work undertaken by the North York Moors National Park Authority, and we would like to thank them for letting us reproduce this work for the Yorkshire Dales.