




# Outdoor Light Fixture Replacement Options



These options, while not a complete list, were compiled to guide your selections when considering options to replace and improve existing lights to reduce light pollution and save energy. You will find additional options to guide your selections at <https://www.darksky.org/our-work/lighting/lighting-for-industry/fsa/fsa-products/>. Whatever you choose, test every selection against the **Five Principles of Responsible Outdoor Lighting**.




Five Lighting Principles for Responsible Outdoor Lighting			
Responsible outdoor lighting is	<b>1 Useful</b>	<p><b>Use light only if it is needed</b></p> <p>All light should have a clear purpose. Consider how the use of light will impact the area, including wildlife and their habitats.</p>	
	<b>2 Targeted</b>	<p><b>Direct light so it falls only where it is needed</b></p> <p>Use shielding and careful aiming to target the direction of the light beam so that it points downward and does not spill beyond where it is needed.</p>	
	<b>3 Low Level</b>	<p><b>Light should be no brighter than necessary</b></p> <p>Use the lowest light level required. Be mindful of surface conditions, as some surfaces may reflect more light into the night sky than intended.</p>	
	<b>4 Controlled</b>	<p><b>Use light only when it is needed</b></p> <p>Use controls such as timers or motion detectors to ensure that light is available when it is needed, dimmed when possible, and turned off when not needed.</p>	
	<b>5 Warm-colored</b>	<p><b>Use warmer color lights where possible</b></p> <p>Limit the amount of shorter wavelength (blue-violet) light to the least amount needed.</p>	






**Note:** Fixtures that follow are grouped by common names even though many fixtures could fit in more than one category. As an example, a so-called “Barn Light” could also be called more generically an “Area Light” or a “Security Light.”

Apart from some specialized applications, the preferred outdoor fixture is one whose light source is narrow band amber (NBA) with a wavelength of 590 nanometers (nm). In cases where NBA may not be used, select the lowest Kelvin rating offered and ask for one with the least amount of light in the blue spectrum. Due to demand, more luminaires are being offered in amber






Area, Security, Shoe Box, Cobra Head & Barn (NEMA Head) Type Fixtures	
Original Fixtures	
Option 1 	Acuity Brands DSX0 or DSX1 with 360-degree add on shielding (usually from 1 inch to 2.5 inches on each side). <a href="https://www.acuitybrands.com/products/detail/196671/lithonia-lighting/d-series-area-size-0/dsx0-led-area-luminaire">https://www.acuitybrands.com/products/detail/196671/lithonia-lighting/d-series-area-size-0/dsx0-led-area-luminaire</a>
Option 2 	Crossroads LED Astrophile series and their dark sky compliant product line. Amber and LEDs rated at 2400.  Kelvin and less are preferred. <a href="https://crossroadsled.com/lighting-products/phosphor-converted-amber-street-lights/">https://crossroadsled.com/lighting-products/phosphor-converted-amber-street-lights/</a>
Option 3 	The CHU in amber with their optional one-inch shield; 2700K with the lowest number of LEDs is acceptable.  <a href="https://www.ela-lighting.com/pdf/update/CHU_Chute_LED.pdf">https://www.ela-lighting.com/pdf/update/CHU_Chute_LED.pdf</a>
Option 4 	Sellux Saturn Cutoff with 2700K option (ask about amber).  <a href="https://www.selux.us/usa/en/products/saturn">https://www.selux.us/usa/en/products/saturn</a>


<p>Option 5</p> 	<p>Cooper Lighting Streetworks; preferred is the 2200K option but the 2700K option is acceptable.</p> <p><a href="https://www.cooperlighting.com/global/brands/streetworks/182926/pmm-mesa">https://www.cooperlighting.com/global/brands/streetworks/182926/pmm-mesa</a></p>
<p>Option 6</p>  <p>External 360 Full Visor</p>	<p>Lithonia RSX1 with the Exterior 360 Full Visor.</p> <p><a href="https://www.acuitybrands.com/products/detail/885168/lithonia-lighting/rsx1-led-area-luminaire/up-to-17000-lumens">https://www.acuitybrands.com/products/detail/885168/lithonia-lighting/rsx1-led-area-luminaire/up-to-17000-lumens</a></p>



Wall Packs (Usually Commercial)	
<p>Original</p>	
<p>Option 1</p> 	<p>Pick the 2700 Kelvin option unless they have a lower Kelvin option when you are selecting it.</p> <p><a href="https://www.acuitybrands.com/products/detail/1008034/lithonia-lighting/wdge1-led-wall-mount/architectural-wall-luminaire-size-1---up-to-2000-lumens">https://www.acuitybrands.com/products/detail/1008034/lithonia-lighting/wdge1-led-wall-mount/architectural-wall-luminaire-size-1---up-to-2000-lumens</a></p>
<p>Option 2</p> 	<p>So many manufacturers make this style. Make sure the top is closed (i.e. downlight only) and that you can either use your own bulb or the Kelvin rating / CCT is Amber or absolutely no higher than 2700K.</p> <p>If you can use your own bulb, you can pick a comfortable 2200K or 2400K. As always, ensure the bulb does NOT protrude below the metal of the fixture.</p>


<p>Option 3</p> 	<p>Turtle Friendly Coastal Wildlife amber LED with baffle.</p>
<p>Option 4</p> 	<p>EnviroLux Sphere Wallpack available in Amber and 2700K.</p>
<p>Option 5</p> 	<p>EcoLights; 500 lumens and less. <a href="http://www.csbg.ca/ECOLIGHT.HTM">http://www.csbg.ca/ECOLIGHT.HTM</a></p>
<p>Option 6</p> 	<p>Ligman Lighting UQU Quarter 1 Surface, <i>if</i> you select the Amber option and the Frosted Lens. The 2700K option with the Frosted Lens should be okay when mounted low enough to mitigate the &gt;1 Glare Rating.</p>
<p>Alternate Option</p> 	<p>Cover the old wall pack with a RAB Shade. <b>Note:</b> If your fixture is old, this will not reduce your electric bill like replacing it with a new, more efficient fixture.</p>





**Wall Sconces (Usually Residential, but some used on smaller commercial)**

<p>Original</p>	
<p>Option 1</p> 	<p>If the bulb is pointing down, you can shield the bulb and keep the fixture. <a href="#">Progress Lighting lamp shield</a> from Loews Home Improvement. Here's an example and another style:</p> 
<p>Option 2</p> 	<p>Designers Fountain Bayport at Loews Home Improvement, Lamps Plus, or Home Depot. Be sure to get the size that is large enough to cover the bulb you want to use in it.</p>
<p>Option 3</p> 	<p>Ripley Collection dark sky outdoor wall light from Lamps Plus, Lumens, Kichler, etc.</p>





<p>Option 4</p> 	<p>Pine Slope fixture with your 2400K bulb, from Lumens, LightsOnline, Lowes, etc.</p>
<p>Option 5</p> 	<p>Rickey Outdoor Barn Light – use your own 2400K bulb.</p>
<p>Option 6</p> 	<p>Pine Slope fixture with your 2400K bulb.</p>
<p>Option 7</p> 	<p>Sage Ridge fixture from Lamps Plus, Home Depot, etc., with your 2400K very short bulb.</p>





<p>Option 8</p> 	<p>Possini Euro Ratner 3000K LED wall light from Lamps Plus, Build.com, Home Depot, etc.; 2400K would be preferable, but this is acceptable.</p>
<p>Option 9</p> 	<p>Under a completely closed canopy, this type of specialty fixture works beautifully. It emits light upwards to illuminate the underneath of the canopy and downward to illuminate the walkway. The fixture hides the light sources and prevents glare.</p>




<h3>Spot or Flood Lights</h3>	
<p>Original</p>	
<p>Option 1</p> 	<p>Bullet style fixture with long shroud.</p>





<p>Option 2</p> 	<p>Commercial Electric Ultra Slim Color Selectable (select 2700K) recessed integrated LED.</p>
<p>Option 3</p> 	<p>Generation Lighting Flood Light Sea Gull Collection (your bulb).</p>
<p>Option 4</p> 	<p>Access Lighting 1 light 2800K LED Fin Collection.</p>
<p>Option 5</p> 	<p>MIK Solutions LED Spot Light with 2700K bulb sold separately.</p>







<b>Post Top Fixtures</b>	
Original	
Option 1 	Designers Fountain Bayport post top at Lowes, Home Depot, LampsPlus, etc.
Option 2 	Ripley Collection 16-inch high post light, from Kichler, Lowes, LampsPlus, etc.
Option 3 	Capital Lighting Dark Sky Outdoor Lantern; Model 94450B, from Build with Ferguson, etc.




Sign Lighting	
Original	
Option 1 	<p>Many manufacturers make RLM style fixtures, which are perfect for illumination of signs. Be careful to ensure that the bulb does NOT extend below the metal of the fixture.</p>
Option 2 	<p>A good example of reverse lighting on the individual letters in a sign.</p>
Option 3 	<p>The photo on the left was taken of the sign during the day. The one on the right was taken during the night. Note the way the sign maker restricted the internal illumination from most of the sign at night. The sign shows up well without causing excessive glare.</p>

<b>Path Lighting</b>	
Original	
Option 1  	Selux Inula Bollard with amber CCT selection.  <a href="https://www.selux.us/usa/en/interior#downloads">https://www.selux.us/usa/en/interior#downloads</a>
Option 2  	Numerous manufacturers offer similar fully shielded path lighting. Be sure the color temperature is 2700K or less and that the total amount of light is not too bright. The ambient light around the area will determine how much light you need to see the path. The darker the area, the less light it will take for you to see well. A bright light in a very dark area will just cause the space beyond the path to be even darker and keep you from seeing it.
Option 3  	EcoLights; 500 lumens and less.  <a href="https://www.csbg.ca/ECOLIGHT.HTM">https://www.csbg.ca/ECOLIGHT.HTM</a>

Flag Lighting		
Original		Yes, all of these were supposedly for 2 flags.
Option 1  	<a href="#">Eagle Mountain Stargazer Flag Light</a> ; select the Amber or 3000K model.	
Option 2  	Use a shielded light from above and mount it close to the flag.	

<b>Sports Field Lighting</b>	
Original	 
Notes	<p>No matter what manufacturer, sports lighting should NOT be installed on top of a hill. Have the lighting plan reviewed and evaluated by the International Dark-Sky Sports Field Community Friendly Lighting Criteria.</p> <p><a href="https://darksky.org/what-we-do/darksky-approved/outdoor-sports-lighting/">https://darksky.org/what-we-do/darksky-approved/outdoor-sports-lighting/</a></p>
Option 1, where only the fields are illuminated, very little light trespass, and the sports lighting is NOT used for the surrounding areas (like parking).	
Option 2, where an LED-lighted soccer facility is located adjacent to a residential neighborhood. Photo taken approximately 150 feet from field edge. Credit: Musco Lighting	

<b>Light Bulbs</b>	
Option 1 	<p>If you have fixtures that are “eye candy” that you would rather not replace, try putting flicker flame bulbs in them and use another light source to illuminate the area, as needed. You may find that the flicker flame is sufficient by itself. The porch with this light has fixtures recessed in the ceiling for illumination.</p>
Option 2 	<p>This is a great bulb to use in any fixture, but especially when the socket is pointed down. It can redeem a fixture that otherwise would need to be replaced.</p> <p>TCP Dimmable 7W 2400K Par20 LED bulb.</p>
Option 3 	<p>Bulbrite Dimmable 5W 2200K vintage G25 filament LED bulb.</p>
Option 4 	<p>Maxlite Dimmable 6.5W 2000K vintage filament LED bulb.</p>
Option 5 	<p>QLS 4W 2200K decorative vintage filament LED bulb.</p>
Option 6 	<p>GE Dimmable 10W 2700K A19 LED bulb works well when you absolutely must have some white light. Try one with a rating of 2000 to 2400 Kelvin first.</p>

<p>Option 7</p> 	<p>Sunlite 12W Sea Turtle and Wildlife certified orange LED lamp.</p>
<p>Option 8</p> 	<p>Sunlite 3W Sea Turtle and Wildlife certified LED lamp.</p>
<p>Option 9</p> 	<p>Emery Allen dimmable 5W 2700K LED bulb; here is that short bulb you may need to reduce glare and hide the light source in a fixture.</p>
<p>Option 10</p>	<p>There are lots more great bulbs out there. Look for bug lights when appropriate, and otherwise, look for light bulbs rated around 2000K to 2400K. If you cannot find one, then use 2700K. Those are abundant.</p>