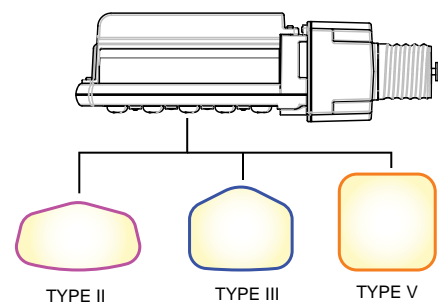
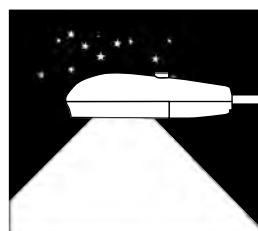
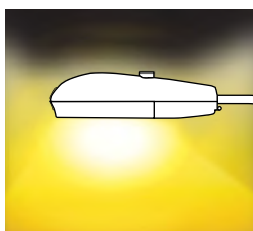
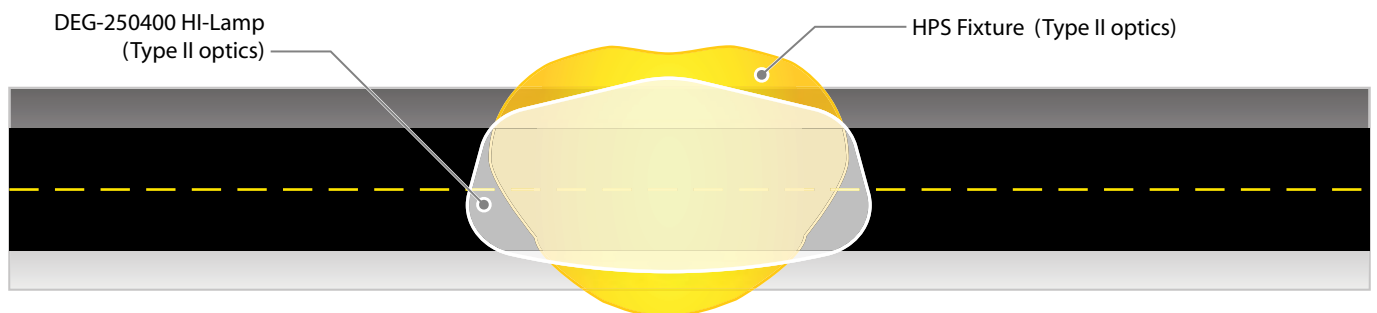
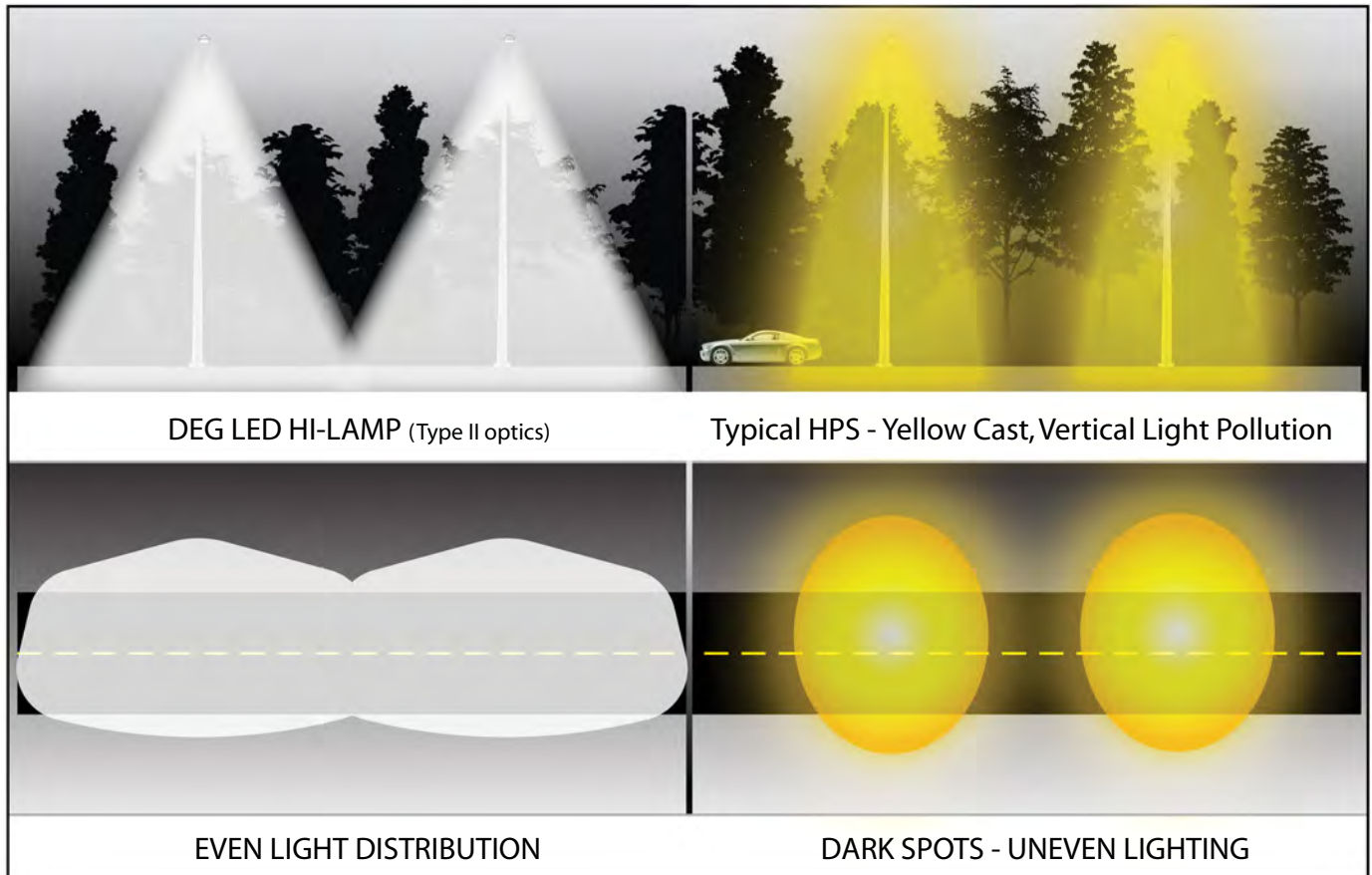


Lighting Distribution with Targeted Optics (typical 2-lane street lighting)

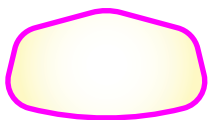
DEG's targeted optics allow you to place targeted light where you need it - on the road and walkways and not wasted where you do not need it. The DEG-250400 is an excellent solution to replace existing lamps in High Pressure Sodium (HPS) street light fixtures. These typical HPS fixtures have a yellow cast and vertical light pollution. The DEG lamp has 4500K color temperature, the best combination of brightness for security and spectral content for accurate color representation. DEG's replacement lamp optics lands a high percentage of useful lumens from your fixture to your target area. The DEG HI-Lamp also helps to eliminate dark spots and provide even, quality targeted lighting with the additional benefit of significant energy savings. (80 to 100 Lumens per watt Cree XLamp, XM-L2 depending on light output setting)



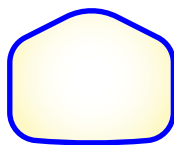
DEG Optics – Options for Outdoor Lighting

When planning to improve your existing site lighting, it is important to select the type of replacement lamp with the optics that will produce a focused light in the desired lighted zones and not wasted where you don't need it. It may not always be possible to get "perfect" distribution patterns, but by choosing lamps that can produce efficient light distribution patterns using a combination of Type II, Type III, and Type V optic lenses, the result can be a very focused and effective lighting solution.

The benefits of configuring your site with proper optics to be luminated using DEG HI-Lamps are many...



Type II Light Distribution



Type III Light Distribution



Type V Light Distribution

These Optics are provided with the DEG-150175 & DEG-250400 HI-Lamps.

Below (Figure 1) is an example of ways to use three different combinations of light distribution patterns (Type II, Type III and Type V optics) to maximize and focus light into the desired lighted zones using your existing fixtures.

