

▶▶▶ Understanding the Importance of Light Spread

Any puck-style, under-cabinet light should have a light spread of at least 90° in order to avoid spot lighting.

The cases noted here have light spreads of 25° and 45°. In the case of the 25° light spread, each fixture needs to be spaced a maximum of 8" apart to avoid spot lighting, and the 45° light would need to be placed 12" apart. In both cases, narrow beam lights produce higher foot-candle (FC) readings but limited coverage. Simply choosing higher FC readings and ignoring the beam angle leads to unintentional spot lighting.

When compared to competitor lighting options, using a Tresco 3W provides 127 lumens with 120° spread versus only 28 and 70 lumens with spreads of 25° and 45°. This allows Tresco 3W pucks to be spaced 20" apart, creating continuous lighting without scallops or shadows. Only five Tresco lights are needed to illuminate the countertop surface and backsplash, 45% less than the competition.

