

## LED Optic Selection

Selecting the correct optic is important, since there are many unique applications. King Luminaire has numerous LED optic options to suit the numerous requirements on decorative lighting projects throughout North America.

Below is a quick summary of our optics. This should be used as a guide to help determine the optic for a specific application.

For more detailed information on a specific optic, please see their respective “optic sheets”.



### B2 - Post Top

The B2 (baffled array) was designed to minimize uplight and control glare. It produces less than 5% uplight and has very little glare, since the diodes are hidden under the metalized baffles. The B2 comes in a IESNA Type III & V distribution. The B2 gets the optimized spacing at 19ft + mounting heights.



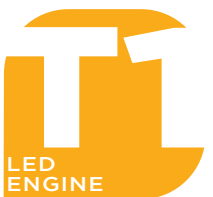
### B3 - Post Top

The B3 is the third generation of King's signature baffled array. It also was designed to minimize uplight and control glare. It produces less than 5% uplight and has very little glare. The B3 comes in a IESNA Type IV & V distribution. The B3 gets significantly more roadway performance and spacing over the B2. It also gets optimized spacing at 19ft + mounting heights.



### R1 - Post Top

The R1 is the first generation of the refractive array. Designed to provide optimum spacing at mounting heights 12ft +, it gets great performance at lower mounting heights. It produces 14.5% uplight with great light quality. R1 is available in IESNA Type III & Type V distributions.



### T1 - Post Top

The T1 is the first generation of the tower optic. Designed with COB chips to simulate a pointed light source, the T1 is used in conjunction with precision external refractive optics. It is a very high efficacy system with up to 117 lumens per watt. Available in Type IV & Type V IESNA distributions.



### P2 - Pendant

The P2 engine is the 2nd generation of King's “flat array” optic. The P2 utilizes refractive optics to create Type II & V IESNA distributions. Designed for use in the K800, K601 and K580 series. The P2 is ideal for narrow roadways where glare is a concern.



### P4 - Pendant

The P4 is the 4rd generation of King's “flat array” optic. The P4 utilizes a 4 refractive optical design to achieve impressive light distribution. It has superior fixture spacing with a uniform pattern. The P4 provides industry leading performance!