



Custom design check list

A) LED requirements

1. High power LED Manufacturer

- | | | | | | |
|------------|-----------------------------------|-----------------------------------|--|---------------------------------|--------------------------------|
| Cree | <input type="checkbox"/> XRE | <input type="checkbox"/> MCE | <input type="checkbox"/> XPE | <input type="checkbox"/> XPG | <input type="checkbox"/> CLN6 |
| | <input type="checkbox"/> MX6 | | | | |
| Edison | <input type="checkbox"/> KLC8 | <input type="checkbox"/> 1LA5 | <input type="checkbox"/> Federal | | |
| Lumileds | <input type="checkbox"/> K2 | <input type="checkbox"/> Rebel | | | |
| Nichia | <input type="checkbox"/> 083A | <input type="checkbox"/> 083B | <input type="checkbox"/> 153 | <input type="checkbox"/> 183 | <input type="checkbox"/> 119 |
| Osram | <input type="checkbox"/> GD | <input type="checkbox"/> GD+ | <input type="checkbox"/> Diamond Drago | <input type="checkbox"/> Oslon | <input type="checkbox"/> OSTAR |
| Samsung | <input type="checkbox"/> Sunnix 5 | <input type="checkbox"/> Sunnix 6 | | | |
| Seoul Semi | <input type="checkbox"/> P4 | <input type="checkbox"/> P7 | <input type="checkbox"/> Z1 | <input type="checkbox"/> AC LED | |

Others: _____

Please do specify the lum for each LED as we need it to process to meet the optical requirements

2. Colour Temperature

- Cool White Netural White Warm White

Optional inform: 4. LED Spec 5. LED Samples 6. MC PCB Layout

B) Mechanical requirements

1. Diameter limitation (mm): _____ 2. Height limitation (mm): _____
 3. Heat sink dimension 2D drawing

C) Optical Requirements:

1. Beam Angle Full angle (90%) Half angle (50' Degree: _____
 2. Centre Lux required: _____ lux in distance: _____ meter
 3. ies files if available

For Street lamp lens

1. The distance between street lamps
2. The height of the street lamps
3. The width of the road
4. The angle of the pole
5. The length of the street lamp pole arm
6. The uniformity: $E_{min}/E_{max} =$
7. Asymmetry or Symmetry beam pattern
8. The arrangement of the street lamps
9. IES file is preferred if available
10. Single lens or multi cluster lens type

D) Material Requirements

1. PC:
2. PMMA: