

RPTultimate™

- **Photometric & Optical**
 - Includes RPTbasic
- **Electrical**
 - Driver efficiency
 - Circuit design
 - Dimmer control
 - UL / CE compliance
 - Voltage/Current balancing
- **Mechanical**
 - Thermal/Optical Analysis
 - 3D Simulation Models
 - 3D printed parts
 - Wire/die bonding
 - Die shear testing

RPTbasic™

- **Photometric & Optical**
 - Luminous Flux
 - Radiant Flux
 - Chromaticity
 - CCT
 - Cx, Cy
 - CRI
 - Efficacy
 - Efficiency of driver
 - Lumens per watt
 - Color Temp Plotting w/MacAdam Ellipses

Test Platforms:

Integrating Sphere
Goniophotometer

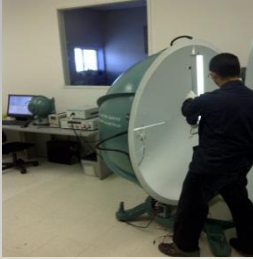
Test Environments:

Class 100K clean room, HEPA Filtration

Note: Platforms compliant with American Standards Institute (ANSI) and National Institute of Standards and Technology (NIST).

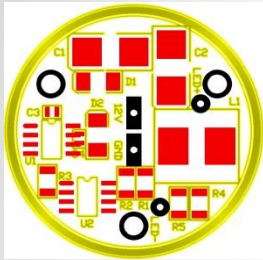
RPTplus™

- **Photometric & Optical**
 - Includes RPTbasic
- **Extrusion**
 - Custom polymer blends



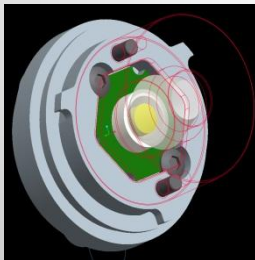
Photometric & Optical Testing

Our facilities uses state-of-the-art equipment to test and interrogate a proposed design or validate existing solutions. Our data format is completely dependent on our customer requirements in either raw data or through graphical plots or a combination of both.



Electrical Design

We understand the limitations of off-the-shelf designs as well as custom designs for a specific application. In doing so we have created a host of test technologies that will allow our customers to functionally isolate key components of a given design.



Mechanical/Optical/Thermal Design

We offer 3D simulation using either ProEngineer or SolidWorks for creating part assemblies. We then use TracePro and LightTools for optical simulation and ANSYS for thermal simulation. Once created, we can quickly rapid prototype 3D objects to physically demonstrate the designs. We can 3D print optically clear and metallic parts.



In-House Plastics Lab

Leveraging our experience in polymers, we can create custom polymer blends through the use of proprietary technologies and in-house extrusion and injection molding capabilities. Our ability to work with very unique polymer applications is what sets us apart.