

# LIGHTCORP

Commercial Linear Fluorescent and LED lighting manufacturer

# RAPID CAPABILITIES

CAPABILITIES	
<b>General Capabilities</b>	<ul style="list-style-type: none"><li>• Contract Manufacturing</li><li>• Assembly</li><li>• Sheet Metal Fabrication</li><li>• Powder Coating</li><li>• Design</li><li>• Prototyping</li></ul>
<b>Design Services</b>	<ul style="list-style-type: none"><li>• 3D CAD (Pro Engineer Creo, SolidWorks)</li><li>• 2D &amp; 3D Digital Renderings</li><li>• FEA Analysis</li></ul>
<b>Additional Services Provided</b>	<ul style="list-style-type: none"><li>• Computer-Aided Engineering (CAE)</li><li>• Computer-Aided Manufacturing (CAM)</li><li>• Concept Development</li><li>• Design</li><li>• Logistics</li><li>• Technical Support</li></ul>

PROTOTYPING	
<b>Prototyping Capabilities</b>	<ul style="list-style-type: none"><li>• Functional Prototypes</li><li>• Proof of Principal Prototypes</li><li>• Scale Models</li><li>• Short-run Production</li><li>• Visual Prototypes</li></ul>
<b>Prototype Methods</b>	<ul style="list-style-type: none"><li>• 3D Printing (SLA)</li><li>• Metal Fabrication (bending, forming, welding, cutting)</li><li>• Powder Coating</li></ul>
<b>Prototyped Product</b>	<ul style="list-style-type: none"><li>• Sheet Metal</li><li>• Welded Assemblies</li><li>• 3D Printed Components</li></ul>

MATERIALS	
<b>Materials Prototyping</b>	<ul style="list-style-type: none"><li>• Aluminum</li><li>• Metal</li><li>• Plastic</li></ul>
<b>Materials Engineering</b>	<ul style="list-style-type: none"><li>• Aluminum</li><li>• Plastics</li><li>• Steel</li></ul>
<b>Safety</b>	<ul style="list-style-type: none"><li>• Fall Protection</li><li>• Fire Protection</li></ul>

ENGINEERING	
<b>Engineering Services</b>	<ul style="list-style-type: none"><li>• Design Optimization (DFM, DFAM)</li><li>• Materials Selection</li><li>• Reverse Engineering</li><li>• Production-Ready CAD Data</li><li>• Proof of Concept Models</li><li>• Basic Prototypes &amp; Testing</li></ul>
<b>Engineering Analysis</b>	<ul style="list-style-type: none"><li>• Failure Analysis</li><li>• Model Analysis</li><li>• Performance Measurement</li><li>• Power Quality</li><li>• Quality</li><li>• Reliability</li></ul>
<b>Engineering Discipline</b>	<ul style="list-style-type: none"><li>• Computer-Aided Manufacturing (CAM)</li><li>• Mechanical</li></ul>
<b>Product Engineering</b>	<ul style="list-style-type: none"><li>• Lighting</li><li>• Low-Voltage Power</li><li>• OEM Components</li><li>• Plastic Products</li><li>• Metal Products</li><li>• Assemblies</li></ul>

PROCEDURES & ENVIRONMENT	
<b>Environment</b>	<ul style="list-style-type: none"><li>• Lighting</li><li>• Plant Layout</li></ul>
<b>Engineering Procedures</b>	<ul style="list-style-type: none"><li>• Energy savings</li><li>• Lean Manufacturing</li><li>• Manufacturing</li><li>• Production</li><li>• Warehouse &amp; Distribution Logistics</li></ul>
<b>Engineering Process</b>	<ul style="list-style-type: none"><li>• Applications</li></ul>

PROJECT TIME & CERTIFICATIONS	
<b>Lead Times</b>	<ul style="list-style-type: none"><li>• Quoted on job-by-job basis</li><li>• Emergency services available</li><li>• Rush services available</li></ul>
<b>Efficiency</b>	Lean Manufacturing
<b>Certifications</b>	<ul style="list-style-type: none"><li>• ISO 9001</li><li>• ISO 14001</li></ul>

## ADDITIONAL INFORMATION

### Industry Focus

Contract Office Furniture

### Industry Standards

- ANSI- American National Standards Institute
- UL
- AWS- also known as CE
- CSA- Canadian Standards Association
- IEC- International Electrotechnical Commission
- ISO- International Organization for Standardization
- RoHS- Restriction of Hazardous Substances (compliant)
- SAE- Technical Specifications used with ISO

### File Formats

AutoCAD (DWG, DWZ), BMP, DXF, GIF, IGES (ANSI file format), JPG or JPEG, PDES (using STEP), SolidWorks (SLDPRT, SLDDRW, SLDDRT), STEP, TIFF