



LIGHT FIXTURE DESIGN CHECKLIST

Project name: _____

Location city/state: _____ Specifier: _____

Quantity: _____ Fixture Type: _____ Budget Price: _____

Agency: _____ Contact: _____

LEAD TIMES

Standard lead time is 10 weeks after final approval and release is received by Lumos.

SPECIAL LEAD TIME _____

LIGHT FIXTURE LOCATION

- INTERIOR - UL 1598 listed
- EXTERIOR - built to UL1598 wet label standards.
- EXTERIOR - UL 1598 WET LABEL LISTED
Additional cost and lead time will be quoted to build, test and certify custom, exterior grade luminaires.

LAMP SOURCE

CFL Wattage: _____ Voltage: _____ Qty: _____ Dimming - specify ballast

HID Lamp Type: _____ Wattage: _____ Qty: _____ Voltage: _____

INC Lamp Type: _____ Wattage: _____ Qty: _____ Voltage: _____

MOUNTING TYPE

- PENDANT - OAH _____
Overall height from ceiling to bottom of fixture
- WALL
- CEILING
- WALL - ADA REQUIREMENT

MOUNTING SURFACE

• describe the mounting surface; rough, smooth; flat, curved, angled _____

PREFERRED MOUNTING METHOD

J-BOX SPECIAL CONDITION: _____
backing plate, structural element, etc.

OTHER FACTORS TO CONSIDER

- Accessibility around the fixture to install, relamp, clean and service.
- Materials and finishes
Describe the intended visual surfaces whether for example painted, or a natural metal with a brushed, polished or antiqued finished. Glass that is clear, frosted, white etc. Some materials may be dictated by the specific application; i.e. an outdoor fixture would not be constructed of carbon steel because of corrosion issues.

- All drawings are created using solid modeling software which generates a 3D drawing of the design. Using the free SolidWorks viewer, the product can be rotated and viewed from various angles. While some projects require a sample fixture for review before final approval and production, a highly detailed, photo realistic 3D rendering can be generated lieu of a physical sample. A sample for approval will be quoted as a separate line item and payment in full is required before commencement of manufacture.

SAMPLE FOR APPROVAL PHOTO REALISTIC RENDERING ONLY



CUSTOM LIGHTING & FABRICATION

THE PROCESS FOR SPECIFYING CUSTOM LIGHTING

CONCEPT AND BUDGET PRICING

The agent and specifier work together to fill out the Lumos Design Guide to accompany the specifier's drawing. This information is sent to Lumos Custom Lighting and Fabrication for budgetary pricing, and initial 2D working drawings of the fixture design. Pricing and drawing(s) are returned to the agent for disposition to the specifier. If revisions are required, updated drawings and pricing will be generated by Lumos.

BIDDING THE PROJECT

When the project bids, the agent will contact Lumos Custom Lighting and Fabrication for a hard quote, and anticipated lead time for manufacturing. All quotations will include the pricing for the product, sample fixture(s) if required (from the Design Guide), and freight cost to the project site.

PROJECT AWARD AND DRAWING SUBMISSION

After the project is awarded and Lumos receives a hold for release order, engineered submittal drawings will be generated for approval. The distributor will be invoiced for the actual cost of the engineering drawings, not 50% of the value of the order which is typical for most custom manufacturers. The fee for the engineering is built into the fixture cost when quoted, and the fee for the submittal drawings is not refundable, even if the fixture order is cancelled.

The engineering drawings will include 3D renderings of the product, along with an electronic file which can be viewed dynamically using the free SolidWorks viewer. <http://www.edrawingsviewer.com> If there are any minor revisions required after submission, updated engineered drawings, as well as the 3D renderings will be resubmitted for approval.

SAMPLE FIXTURE - IF REQUIRED PER THE SPECIFICATION AND BID

Once the submittal drawing(s) are approved, the sample fixture will be produced if required per the specification and bid documents. If a sample is required, 100% payment for the sample must be provided prior to any production work. Samples add additional time and cost to a project. That is why Lumos Custom Lighting and Fabrication has invested heavily in 3D modeling capability to assist customers in seeing a "virtual" finished product, that in most cases avoids the cost and time involved in produced samples during the submittal process.

APPROVED SUBMITTALS & ORDER RELEASED FOR PRODUCTION

After the submittal drawings, and sample if required, are approved, and the order is released for production, Lumos will invoice for 50% of the open balance on the order, less previously applied engineering fees and sample(s). Once the order is released for production, the 50% billing is non refundable and non cancelable. After payment is received, materials are purchased, and production begins. The shipping schedule will be provided within 5 working days of order release.

When the project is within two weeks of shipment, the remaining balance of the order will be invoiced. After the final payment is received, the order will be packaged and shipped to the job site.

UL LISTING FOR PRODUCTS

Fixtures produced by LUMOS for interior applications have a UL1598 damp location listing. Fixtures for exterior applications can be developed in three ways. An existing exterior rated luminaire can be incorporated into the fixture, for example a decorative shroud can be installed over a wet label rated wall pack. A fixture can be designed and produced to UL 1598 wet label standards. Third, the fixture can be tested and certified by a testing lab, such as U.L. or ETL, to obtain a UL1598 Wet Location label. This option requires building, testing and submitting fixtures to the test lab. This process will add at least sixteen weeks of lead time. As every custom design is unique, the certification cost will be estimated on a fixture by fixture basis.

LUMOS CUSTOM LIGHTING & FABRICATION

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