

How to complete the DLC® Single Product Application Form

The DLC Single Product Application Form is split into several sections to simplify both the application and review process.

TAB 1: Application Form

- **Section 1: Company and Application Contact Information**

Company - Enter the name of your organization. Please note that this organization name will appear on the QPL.

Brand Name - Enter the name of the brand your product is sold under. Please note that this brand name will appear on the QPL.

Contact Name, Phone, Email - Enter the name and contact information for the person within your organization to whom the DLC should direct questions regarding this application.

Website - Enter the website for your company. If the product is listed on a different webpage, please enter that as well.

- **Section 2: Application Type**

Select the application type that corresponds with the application you are submitting. For Single Product Applications, this will be "Single Product Application."

- **Section 3: Category Information**

In each cell, select the appropriate information for the application you are submitting. The categories correspond with structure of the Technical Requirements Table. If you are unsure about which category your product falls into, please see the Product Eligibility webpage.

If you are submitting the product as a "Specialty Use" product within a general application, please provide a short description of the types of applications the product is intended to be used

for. Supplemental images provided with the application are often helpful to the DLC review staff in evaluating applications efficiently.

DLC Category - Select the Category you are submitting these products for consideration under. Please refer to the Technical Requirements Table if you are unsure.

General Application - Select the General Application you are submitting these products for consideration under. Please refer to the Technical Requirements Table if you are unsure.

Primary Use - Select the Primary Use designation are submitting these products for consideration under. Please refer to the Technical Requirements Table if you are unsure.

Specialty Use Description - If you are submitting the product as a "Specialty Use" product within a general application, please provide a short description of the types of applications the product is intended to be used for. Supplemental images provided with the application are often helpful to the DLC review staff in evaluating applications efficiently.

DLC Classification - Please indicate the classification you are submitting each product for consideration under in the Scaled Performance Table tab. This should be "Standard" or "Premium".

- **Section 4: Product Information**

Please provide the requested information regarding the design and testing of your product.

Rated Voltage - Enter the voltage range you market your product to operate on, e.g. 120-277V.

Driver Model Number - Enter the model number for the driver you are using in your product. Please note that spec sheets **must** be included for DLC Premium applications, but are encouraged to be provided in all cases.

LED Package/Module/Array Part Number - Enter the part number for the LED package/module/array you are using in your product. Please keep in mind that the DLC follows the ENERGY STAR guidance on LM-80 testing and evaluation.

LED Manufacturer - Enter the name of the manufacturer of the LED package/module/array. If multiple LEDs are used, enter each manufacturer name and review the Multiple LEDs policy before submitting.

LED Drive Current - Enter the current at which you are driving your LEDs. If you are using a Chip-on-Board package/array in your product, please include both the drive current for the array and the calculated current-per-die.

Accessories - If any additional accessories are employed in the testing of your product, please note those details in this field. Note that retrofit kits must be tested in a reference housing; the model number for that housing must be listed in this field.

Description - Enter a detailed description of your product or product group.

Controls - Indicate whether customers can order your product with integral sensors for occupancy sensing and photo control. DLC reviewers will verify these claims against information found in your spec sheet. This information is required for products seeking qualification in the DLC Premium classification, and optional for those seeking qualification in the DLC Standard classification.

Please note that any section that is grayed-out, such as the section on housing variations, does not need to be completed for Single Product Applications. These sections are only applicable to Family Grouping Applications.

Dimmability - Indicate whether or not this application includes products that are dimmable. Be sure to indicate the dimming performance of each product on the Scaled Performance Table tab.

- **Section 5: Product Identifier Information**

Ordering Code/Model Number Information - Enter a description of the character codes that make up your model number/ordering code. This description should be detailed enough for your DLC reviewer to understand what each character in your model number represents, and should be consistent with the information supplied in your spec sheet.

TAB 2: Scaled Performance Table

- **Section 1: Scaling Methodology**

Explain the methodology used in developing the rated performance information for the products in this submission. This explanation should be sufficiently detailed to cover all variations within the product group, and for the DLC reviewer to be able to follow the engineering logic and development of any value in the table. Manufacturers may provide additional information on their scaling methodology in separate documents as necessary to communicate these details.

- **Section 2: Performance Table**

Provide the information requested in each column for every product in the group you are submitting for application. Please include only those products you are submitting for application.

General Application - Select the General Application under which you are submitting these products. Please refer to the Technical Requirements Table if you are unsure.

Primary/Specialty Use - Enter the Primary Use designation under which you are submitting these products, consistent with the DLC Technical Requirements Table. If you are submitting these products under the "Specialty" designation, please include "Specialty:" along with the name of the end-use application for which these products will be used in the marketplace. For example, stadium lighting would be "Specialty: Stadium Lighting."

Classification - For each product, enter the DLC classification for which you are seeking qualification: Premium or Standard. The requirements for each classification can be found on the Technical Requirements page.

Model Number - In this column, enter the complete model numbers for each product for which you are seeking qualification. Please note that model numbers must be complete model numbers, including all details to specify the performance of the product. Wildcard characters may only be used to represent variations that do not affect performance, such as exterior housing color.

Scaled Initial Light Output - Enter the expected light output for the products in your group in this column. Please be sure that these values are traceable to the scaling methodology you describe.

Scaled Luminaire Efficacy - Enter the expected efficacy for the products in your group in this column. Please be sure that these values are traceable to the scaling methodology you describe.

Scaled Input Power - Enter the expected power (wattage) for the products in your group in this column. Please be sure that these values are traceable to the scaling methodology you describe.

Scaled Total Harmonic Distortion - Enter the expected THD for the products in your group in this column. Please be sure that these values are traceable to the scaling methodology you describe.

Scaled Power Factor - Enter the expected power factor for the products in your group in this column. Please be sure that these values are traceable to the scaling methodology you describe.

Scaled CCT - Enter the expected correlated color temperature (CCT) for the products in your group in this column. Please be sure that these values are traceable to the scaling methodology you describe.

Scaled CRI - Enter the expected color rendering index (CRI) for the products in your group in this column. Please be sure that these values are traceable to the scaling methodology you describe.

Housing Variation - This field is not needed for Single Product Applications. If your product group includes housing variations, please see the Family Grouping rules.

Driver Model Number - Enter the model number for the driver you are using in your product. Please note that spec sheets must be included for DLC Premium applications, but are encouraged to be provided in all cases.

Vertical NEMA Beam Spread - If you are seeking qualification for your product in one of the flood or spot Primary Use designations, please enter vertical NEMA Beam classification.

Horizontal NEMA Beam Spread - If you are seeking qualification for your product in one of the flood or spot Primary Use designations, please enter horizontal NEMA Beam classification.

Base Type - If you are seeking qualification for your product in one of the screw-base replacements for HID lamps Primary Use designations, please enter the base type, either E26 or E39.

Sensors - Indicate whether your products can be ordered with integral occupancy sensors or photocontrols. This field must be filled out for products seeking qualification in the DLC Premium classification, and is optional for products in the DLC Standard classification.

Dimming Capability - Indicate whether your product is dimmable.

Dimming Type - If your product is dimmable, indicate whether it dims in a continuous or stepped manner.

Minimum Dimming Level - If your product dims continuously, indicate whether it can dim to $\leq 10\%$ of its full input power. Please note this question is about the power consumed by the product in the dimmed state, not the light output.

Length - If you are seeking qualification for your product in one of the screw-base replacements for HID lamps, linear ambient, or display case luminaires Primary Use designation, enter the length of the product in inches.

Rf - If you wish to provide information about the product's Fidelity Index (Rf) according to TM-30, indicate the value here. This metric is currently optional, and not required for listing. To list this metric for products on the QPL, you must use the official Excel version of the TM-30 calculation tool offered with the IES standard.

Rg - If you wish to provide information about the product's Gamut Index (Rg) according to TM-30, indicate the value here. This metric is currently optional, and not required for listing. To list this metric for products on the QPL, you must use the official Excel version of the TM-30 calculation tool offered with the IES standard.

Please contact applications@designlights.org if you have any questions about filling out or submitting the Single Product Application Form.