



Dimming Update Application Instructions and Examples

Note: Manufacturers are not required to update the listings of existing products to remain on the DLC QPL. However, manufacturers may choose to update their product listings, which may be necessary to participate in certain energy efficiency incentive programs.

Update submissions are limited *only* to products already on the QPL. Manufacturers may not combine update applications with requests to add additional products not already represented on the QPL. If there are additional versions of products not already listed that you wish to add – for example, new product offerings (new optics, CCTs, light levels, etc.) – please add them via the normal family grouping application process.

To update existing products, manufacturers must follow the steps below:

Step 1:

Send the Dimming Update Application Form(s) containing each product or family group you are seeking to update to info@designlights.org. The application form(s) must be accompanied by the current spec sheet for the products you are seeking to update. The application form can be found in the [Dimming Information page](#).

Please note: if there are additional variations for your products that you wish to be listed, DUE TO THE NEW DIMMING POLICY ONLY, you may add them to the listing at this time. New product offerings for other characteristics (optics, CCTs, wattage, etc.) must be submitted through new family applications.

Step 2:

Your DLC reviewer will contact you with the necessary application fee and instructions on how to process payment.

Step 3:

Once your DLC reviewer has received confirmation of payment, they will review the documentation provided in detail. Once all necessary information has been received and/or clarified, the existing product listings will be updated on the QPL within the standard processing time.

Update Example:

Manufacturer A currently has product “ABC-123-XXX” qualified. This product is available in four distinct versions with respect to dimming: a non-dimmable version, a stepped dimmable version, a continuously dimmable version designed to operate on a 0-10V system, and a continuously dimmable version designed to operate on a DALI system. Both dimmable versions are designed to dim to less than 10% of full input power when installed in an appropriate system. The wildcard characters “XXX” at the end of the listed model number cover all four of these variations, which specifically are:

- ABC-123-NON (for the non-dimmable version),
- ABC-123-STP (for the stepped dimmable version),
- ABC-123-010 (for the 0-10V version), and
- ABC-123-DAL (for the DALI version).

Because ABC-123-010 and ABC-123-DAL have the same characteristics in regards to the dimming performance information to be reported in the QPL, they may be listed together on the same “line” in the QPL. Therefore, this update application includes **three distinct family members**, and will cost \$260 to update, per the dimming fee schedule.

Previous Listing:

Manufacturer	Brand	Model Number	Is the product capable of dimming? (Yes/No)	If the product is capable of dimming, what is the dimming type? (Continuous / Stepped)	If Continuous, can the product dim to 10% or below its full input power when installed in the appropriate system? (Yes/ No)
Manufacturer A	Acme	ABC-123-XXX	Not yet verified	--	--

Updated listing:

Manufacturer	Brand	Model Number	Is the product capable of dimming? (Yes/No)	If the product is capable of dimming, what is the dimming type? (Continuous / Stepped)	If Continuous, can the product dim to 10% or below its full input power when installed in the appropriate system? (Yes/ No)
Manufacturer A	Acme	ABC-123-NON	No	--	--
Manufacturer A	Acme	ABC-123-STP	Yes	Stepped	--
Manufacturer A	Acme	ABC-123-[010 or DAL]	Yes	Continuous	Yes

New Application Instructions and Examples

As of August 4, 2014, all applications must include dimming information. If manufacturers have multiple variations of their products, in order for them to all be considered qualified, they must all be explicitly identified on the QPL. Application fees for new applications will be calculated as follows:

- “Single product” application fees remain unchanged. For Single Product Applications, the **ONLY** allowable variations within a group of model numbers will be CCT and dimming information. These products will be processed as part of the \$500 application fee.

- For family grouping applications, the application fees will be:
 - o \$500 per applicable test report (consistent with current policy),
 - o \$25 per additional family member *as calculated by the number of products in the family, regardless of dimming status* (see examples below); again, this is consistent with current policy,
 - o Additional fees for products that must be listed *because of dimming information differences*, based on the number of additional products (see examples below).

New Application Example 1:

Manufacturer A does not currently have any versions of product family “DEF-456” qualified. This product family includes:

- 3 wattages (50W, 100W, and 150W)
- 3 CCTs (3000K, 4000K, 5000K)
- Two different dimming designations (Non-dimmable and dimmable, where the dimmable version is designed to be continuously dimmable to below 10% power on an appropriate system)

For purposes of this example, no other product variations (e.g. optics) exist for this product family.

The entire model number for this product is:

DEF-456-[wattage]-[CCT]-[Dimming option NON or DIM]

For example:

DEF-456-50W-30K-DIM which represents the 50W, 3000K, dimmable version of the product.

Prior to the new dimming rules, this family group would have been submitted as follows:

Previous Application:

Manufacturer	Brand	Model Number	Independent Test Report Fee?
Manufacturer A	Acme	DEF-456-50W-30K-XX	Yes (lowest light output)
Manufacturer A	Acme	DEF-456-150W-30K-XX	Yes (lowest efficacy, worst-case ISTMT)
Manufacturer A	Acme	DEF-456-150W-50K-XX	Yes (highest CCT; on representative highest CCT model)
Manufacturer A	Acme	DEF-456-50W-40K-XX	No
Manufacturer A	Acme	DEF-456-50W-50K-XX	No
Manufacturer A	Acme	DEF-456-100W-30K-XX	No
Manufacturer A	Acme	DEF-456-100W-40K-XX	No
Manufacturer A	Acme	DEF-456-100W-50K-XX	No
Manufacturer A	Acme	DEF-456-150W-40K-XX	No

Therefore, under the previous application structure, this family group consists of 4 required test reports (3 LM-79s and 1 ISTMT), and 5 additional family members. The total cost for this application would have been \$2,125 (4 x \$500 for the test reports plus 5 x \$25 for the additional family members).

Under the new rules, including dimming information, this family group will now be submitted as follows (note that wild card information for the dimming variations is no longer acceptable):

New Application:

Manufacturer	Brand	Model Number	Independent Test Report Fee?	Is the product capable of dimming? (Yes/No)	If the product is capable of dimming, what is the dimming type? (Continuous / Stepped)	If Continuous, can the product dim to 10% or below its full input power when installed in the appropriate system? (Yes/ No)
Manufacturer A	Acme	DEF-456-50W-30K-NON	Yes (lowest light output)	No		
Manufacturer A	Acme	DEF-456-150W-30K-NON	Yes (lowest efficacy, worst-case ISTMT)	No		
Manufacturer A	Acme	DEF-456-150W-50K-NON	Yes (highest CCT; on representative highest CCT model)	No		
Manufacturer A	Acme	DEF-456-50W-40K-NON	No	No		
Manufacturer A	Acme	DEF-456-50W-50K-NON	No	No		
Manufacturer A	Acme	DEF-456-100W-30K-NON	No	No		
Manufacturer A	Acme	DEF-456-100W-40K-NON	No	No		
Manufacturer A	Acme	DEF-456-100W-50K-NON	No	No		
Manufacturer A	Acme	DEF-456-150W-40K-NON	No	No		
Manufacturer A	Acme	DEF-456-50W-30K-DIM	No	Yes		
Manufacturer A	Acme	DEF-456-50W-40K-DIM	No	Yes		
Manufacturer A	Acme	DEF-456-50W-50K-DIM	No	Yes		
Manufacturer A	Acme	DEF-456-100W-30K-DIM	No	Yes		
Manufacturer A	Acme	DEF-456-100W-40K-DIM	No	Yes		
Manufacturer A	Acme	DEF-456-100W-50K-DIM	No	Yes		

Manufacturer A	Acme	DEF-456-150W-30K-DIM	No	Yes		
Manufacturer A	Acme	DEF-456-150W-40K-DIM	No	Yes		
Manufacturer A	Acme	DEF-456-150W-50K-DIM	No	Yes		

The fee for this application would be \$2,350:

- 4 test reports at \$500 (\$2,000),
- 5 family members at \$25 (\$125), plus
- 9 additional family members for purposes of listing dimming variations
 - o These 9 additional family members necessary to list the dimming information are charged at the lower of \$25 per product or the dimming fee schedule. In this case, \$25 per product is lower than the dimming fee schedule (\$225 vs. \$260).

New Application Example 2:

Manufacturer A does not currently have any versions of product family “GHI-789” qualified. This product family includes:

- 3 wattages (50W, 100W, and 150W)
- 3 CCTs (3000K, 4000K, 5000K)
- Three different dimming designations (Non dimmable, stepped Dimmable, and continuously dimmable, where the continuously dimmable version is designed to be continuously dimmable to below 10% power on an appropriate system)

For purposes of this example, no other product variations (e.g. optics) exist for this product.

The entire model number for this product is:

GHI-789-[wattage]-[CCT]-[Dimming option NON, STP or CNT]

For example:

GHI-789-50W-30K-CNT represents the 50W, 3000K, continuously dimmable version of the product.

Prior to the new dimming rules, this family group would have been submitted as follows:

Previous Application:

Manufacturer	Brand	Model Number	Independent Test Report Fee?
Manufacturer A	Acme	GHI-789-50W-30K-XX	Yes (lowest light output)
Manufacturer A	Acme	GHI-789-150W-30K-XX	Yes (lowest efficacy, worst-case ISTMT)
Manufacturer A	Acme	GHI-789-150W-50K-XX	Yes (highest CCT; on representative highest CCT model)
Manufacturer A	Acme	GHI-789-50W-40K-XX	No
Manufacturer A	Acme	GHI-789-50W-50K-XX	No

Manufacturer A	Acme	GHI-789-100W-30K-XX	No
Manufacturer A	Acme	GHI-789-100W-40K-XX	No
Manufacturer A	Acme	GHI-789-100W-50K-XX	No
Manufacturer A	Acme	GHI-789-150W-40K-XX	No

Therefore, under the previous application structure, this family group consists of 4 required test reports (3 LM-79s and 1 ISTMT), and 5 additional family members. The total cost for this application would have been \$2,125 (4 x \$500 for the test reports plus 5 x \$25 for the additional family members).

Under the new rules, including dimming information, this family group will now be submitted as follows (note that wild card information for the dimming variations is no longer acceptable):

New Application:

Manufacturer	Brand	Model Number	Independent Test Report Fee?	Is the product capable of dimming? (Yes/No)	If the product is capable of dimming, what is the dimming type? (Continuous / Stepped)	If Continuous, can the product dim to 10% or below its full input power when installed in the appropriate system? (Yes/ No)
Manufacturer A	Acme	GHI-789-50W-30K-NON	Yes (lowest light output)	No	--	--
Manufacturer A	Acme	GHI-789-150W-30K-NON	Yes (lowest efficacy, worst-case ISTMT)	No	--	--
Manufacturer A	Acme	GHI-789-150W-50K-NON	Yes (highest CCT; on representative highest CCT model)	No	--	--
Manufacturer A	Acme	GHI-789-50W-40K-NON	No	No	--	--
Manufacturer A	Acme	GHI-789-50W-50K-NON	No	No	--	--
Manufacturer A	Acme	GHI-789-100W-30K-NON	No	No	--	--
Manufacturer A	Acme	GHI-789-100W-40K-NON	No	No	--	--
Manufacturer A	Acme	GHI-789-100W-50K-NON	No	No	--	--
Manufacturer A	Acme	GHI-789-150W-40K-NON	No	No	--	--
Manufacturer A	Acme	GHI-789-50W-30K-STP	No	Yes	--	
Manufacturer A	Acme	GHI-789-50W-40K-STP	No	Yes	--	

Manufacturer A	Acme	GHI-789-50W-50K-STP	No	Yes	--	--
Manufacturer A	Acme	GHI-789-100W-30K-STP	No	Yes	--	--
Manufacturer A	Acme	GHI-789-100W-40K-STP	No	Yes	--	--
Manufacturer A	Acme	GHI-789-100W-50K-STP	No	Yes	--	--
Manufacturer A	Acme	GHI-789-150W-30K-STP	No	Yes	--	--
Manufacturer A	Acme	GHI-789-150W-40K-STP	No	Yes	--	--
Manufacturer A	Acme	GHI-789-150W-50K-STP	No	Yes	--	--
Manufacturer A	Acme	GHI-789-50W-30K-CNT	No	Yes	--	--
Manufacturer A	Acme	GHI-789-50W-40K-CNT	No	Yes	--	--
Manufacturer A	Acme	GHI-789-50W-50K-CNT	No	Yes	--	--
Manufacturer A	Acme	GHI-789-100W-30K-CNT	No	Yes	--	--
Manufacturer A	Acme	GHI-789-100W-40K-CNT	No	Yes	--	--
Manufacturer A	Acme	GHI-789-100W-50K-CNT	No	Yes	--	--
Manufacturer A	Acme	GHI-789-150W-30K-CNT	No	Yes	--	--
Manufacturer A	Acme	GHI-789-150W-40K-CNT	No	Yes	--	--
Manufacturer A	Acme	GHI-789-150W-50K-CNT	No	Yes	--	--

The fee for this application would be \$2,490:

- 4 test reports at \$500 (\$2,000),
- 5 family members at \$25 (\$125), plus
- 18 additional family members for purposes of listing dimming.
 - o These 18 additional family members necessary to list the dimming information are charged at the lower of \$25 per product or the dimming fee schedule. In this case, the flat rate of \$365 for a group of 11-100 products in the dimming fee schedule is less than \$25 per product (\$365 vs. \$450).

If you have questions about updating your listings, please contact info@designlights.org. DLC will be adding FAQs to the DLC website (<http://www.designlights.org/content/QPL/ProductSubmit/FAQs>) in regards to dimming as needed.