***Standards for Indoor Lighting***

*When purchasing indoor lighting, buyers have several options for energy certifications available to them including ENERGY STAR, FEMP-designated products, DLC, and DLC Premium. Buyers should specify one or multiple certification levels that all indoor lighting products supplied must comply with. Our team has assessed the four lighting standards and determined that in general for commercial applications, DLC Premium has the highest efficacy requirements for indoor lighting categories.*

**Cut-and-Paste Acquisition Language for Indoor Lighting [Product Solicitation]**

**Statement of Work \*Include in solicitation AND contract language**

According to [*your organization’s*] goals to optimize energy performance at [*your site*], the Vendor shall ensure that all indoor lighting products supplied meet or exceed [DLC Premium](https://www.designlights.org/search/) qualifications.

**Technical Specifications \*Include in solicitation AND contract language**

The Vendor shall supply indoor lighting products that meet or exceed DLC Premium standards. Search for DLC Premium indoor lighting products on the DLC Qualified Products List (make sure to filter out the ‘Classification’ as DLC Premium): <https://www.designlights.org/search/>.

|  |
| --- |
| **V5.1 Efficacy Requirements for Luminaires and Retrofit Kits [DLC Premium Classifications]** |
| **Category** | **General Application** | **Minimum Light Output (lm)** | **DLC Premium Minimum Efficacy (lm/W)** |
| Indoor Luminaires | Interior Directional | ≥250 | 95 |
| Case Lighting | ≥50 lm/ft | 110 |
| Troffer | ≥1,500 | 125 |
| Linear Ambient | ≥375 lm/ft | 130 |
| High-Bay | ≥10,000 | 135 |
| Low-Bay | 5,000 - 10,000 | 130 |
| Indoor Retrofit Kits | Troffer | ≥1,500 | 125 |
| Linear Ambient | ≥375 lm/ft | 130 |
| High-Bay | ≥10,000 | 135 |
| Low-Bay | 5,000 - 10,000 | 130 |

Source: <https://www.designlights.org/solid-state-lighting/qualification-requirements/technical-requirements-v5-1/>

Products that do not meet or exceed DLC Premium standards **will not** be considered for the bid.

**Document Requirements \*Include in solicitation AND contract language**

The Vendor shall submit manufacturer cut sheets for each model of indoor lighting product supplied indicating an energy efficiency rating that meets or exceed [DLC Premium](https://www.designlights.org/search/) standards.\*

\*If your product meets or exceeds DLC Premium qualifications, but is not officially listed as a DLC Premium product, please also submit a third-party testing result indicating how your product meets the prescribed energy efficiency requirement.

**Evaluation Criteria**

[*Option 1*] The Vendor will be evaluated based on the Vendor’s ability to verify that all indoor lighting products supplied meet or exceed [DLC Premium](https://www.designlights.org/search/) qualifications.

[*Option 2*] The Vendor will be evaluated based on Best Value as assessed through life cycle cost analysis. Vendors are required to provide the cost for each product using the life cycle cost formula below:

LCC = I + Repl − Res + E + W + OMR + X

where:

LCC = Total LCC in present-value dollars of a given alternative

I = Present-value investment costs

Repl = Present-value capital replacement costs

Res = Present-value residual value (resale value, scrap value, salvage value) less disposal costs

E = Present-value energy costs

W = Present-value water costs

OMR = Present-value non-fuel operating, maintenance, and repair costs

X = Present-value other costs (benefits treated as negative costs)

For more information on how to calculate life cycle cost, refer to <https://nvlpubs.nist.gov/nistpubs/hb/2020/NIST.HB.135-2020.pdf>

**Reporting** [*Optional - For recurring purchases/indefinite delivery/blanket purchase orders*]

[*Insert in* ***Document Requirements*** *section*] Vendors shall submit a sample Green Products Report to [*your organization*] with every invoice. This report will serve as an example of the regular Green Products Report expected during the duration of the contract and should include the type of product supplied, quantity, dollar value, and type of green certification the product qualifies for, for all indoor lighting products supplied.

[*Insert in* ***Evaluation Criteria*** *section*] Additional points shall be awarded to Vendors able to provide a Green Products Report with every invoice for the duration of the contract. The Green Products report must include all of the information specified in the **Document Requirements** section for all indoor lighting products supplied.

[*Insert in* ***Document Requirements*** *section \*Include in contract language*] Vendors shall provide a Green Products Report to [*your organization*] with every invoice. This report should include the type of product supplied, quantity, dollar value, and type of green certification the product qualifies for, for all indoor lighting products supplied.

Reference: SF Tool Green Procurement Compilation - <https://sftool.gov/greenprocurement>