COMPREHENSIVE NOM

Compliance Services

ENERGY EFFICIENCY

NOM-030-ENER-2016

LUMINOUS EFFICACY OF INTEGRATED LIGHT-EMITTING DIODE (LED) LAMPS FOR GENERAL LIGHTING PURPOSES. LIMITS AND TEST METHODS.



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OBJECTIVE

It establishes the specifications and test methods that promote energy efficiency in integrated LED lamps for general lighting.

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FIELD OF *Aplication*

This applies to all integrated omnidirectional and directional LED lamps intended for general lighting, with supply voltages ranging from 100 V to 277 V AC and a frequency of 50 Hz or 60 Hz, that are manufactured or imported for sale within the country.

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EXCEPTIONS

Products covered by another Official Mexican Standard on energy efficiency are excluded from the scope of this standard, as are:

- Integrated LED lamps that incorporate control components into the lamp body.
- LED luminaires and LED modules.
- LED lamps with an operating voltage of 24 V DC or less.
- LED tube lamps.
- Lamps with color, color-changing, and/or correlated color temperature (CCT) capabilities.
- Decorative lamps for ornamental use with pearlescent finishes.

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EXAMPLES OF *Products*

- LED spotlights.

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REQUIREMENTS FOR *Quotation*

- Product description and intended use
- Tariff classification (10 digits)
- Technical data sheet containing a complete description of the product's lighting specifications
- Product images
- If there are two or more models, please provide technical data sheets for all of them so that the product families can be analyzed.

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CUSTOMER REGISTRATION *Requirements*



- Articles of Incorporation
- Notarized Power of Attorney (if the Legal Representative is not declared in the Article of Incorporation)
- Tax Compliance Certificate (No older than 3 months)
- Proof of Address (No older than 3 months)
- Official ID of the Legal Representative (INE)
- **Address for Sending Signed Documents:** Av. Hipódromo 6, San Miguel Xochimanga, 52927 Cdad. López Mateos, Méx.

(To the attention of the person responsible for registrations).

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REQUIREMENTS TO ENTER *Service*

- Product type (new, refurbished)
- Product images
- Generic name
- Model
- Brand
- Year of manufacture
- Country of origin
- Country of provenance
- Electrical specifications
- Diagram, technical data sheet, and/or manual
- Port of entry
- Samples: 8 (in accordance with 11.5.3.)

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ESTIMATED SERVICE TIME (CERTIFICATE DELIVERY)



18 to 22 Businessdays

(COMPLETE PROCESS)

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ADDRESS FOR SENDING *Samples*

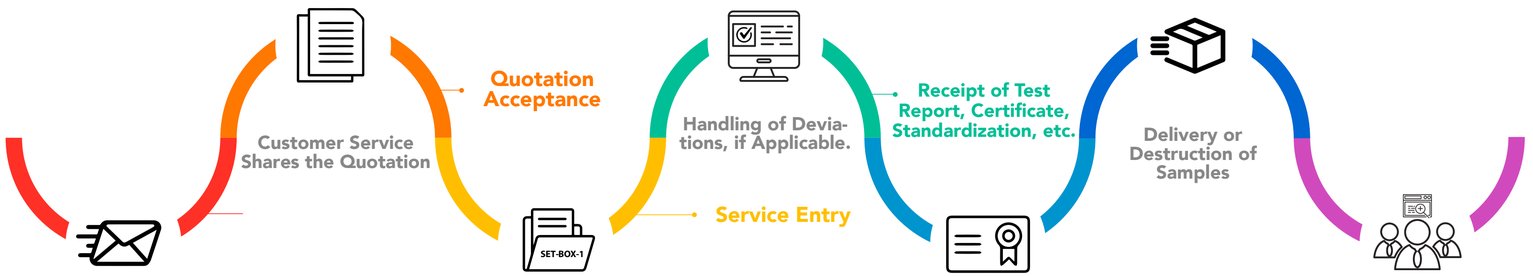
Av. Hipódromo 6, San Miguel Xochimanga, 52927 Cdad. López Mateos, Méx.

Contact: Responsible for receiving samples during the shift.
Tel. 55 9342 8914
WS: 56 1001 4009

Hours: Monday to Friday from **9:00 AM to 6:00 PM**, Saturday from **9:00 AM to 01:00 PM.**

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PROCEDURE



Sending and Receiving of Product Technical Information and Tariff Code

Project Number Assignment, Sample Logistics, and File Preparation for the Applicable Organization (LAB, OCP, UI, IFT, COFEPRIS).

Delivery of Certificate, Confirmation, Report, Standardization, etc.

Timely Notification for the Follow-up Visit and Upcoming Certificate Renewal.

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FOLLOW-UP PLANS AND *Visits*

The **certification body** must monitor the compliance of certified products with the NOM at least once during the certificate's validity period, both through documentation and by inspecting and sampling the certified product.

For **monitoring through periodic product testing:** testing must be conducted on a sample taken by the certification body, as specified in section 11.5.3, Table 8, at the factory, warehouses, or points of sale within the country once a year. The certificate holder is responsible for submitting the samples to the laboratory.

For **the certification method involving monitoring through the production line's quality management system:** monitoring must be conducted on a sample taken as specified in section 11.5.3, Table 8, at the factory, warehouses, or points of sale for the product within the national territory, and the quality management system of the production line must be monitored, using the results of the most recent audit conducted by an accredited quality management system certification body. The monitoring shall be conducted at least once during the validity period of the certificate.

FOLLOW-UP PLANS AND *Visits*

The follow-up sample must consist of family members other than those tested for certification. For follow-up testing, one sample must be taken for every five different models, regardless of electrical power or correlated color temperature.

Based on the results of the corresponding follow-up testing, the certification body will determine whether to suspend, revoke, or renew the product's certificate of compliance.

Table 8 - Follow-up Sampling

During the first two months of the second year of implementation		
TESTS	**SAMPLES TO BE EVALUATED**	**CONTROL SAMPLE**
All tests for only one of the models selected in accordance with 11.5.5.2	7	3 If a control sample is used, the full set of tests must be run from the beginning.
• For the remaining models selected in accordance with 11.5.5.2, the following tests: • Electrical and photometric: • Section 7.1 Luminous efficacy; • Section 7.2 Variation in rated total luminous flux; • Section 7.3 Correlated Color Temperature (CCT); • Subsection 7.5 Color Rendering Index (CRI); and • Subsection 7.6 Power factor	3	3

NOTE: To conduct the sampling, a minimum number of models is required to allow testing to be performed as specified in Table 8, keeping in mind that models that have already been tested must not be repeated; otherwise, models that are not available at the time of sampling will be removed from the certificate.

LOCATIONS

Contact: ***hola@boxlity.com***



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Blvd. Manuel Avila Camacho, No. 3130 piso 7. Col. Valle Dorado (Plaza City Shops Office Area) Tlanepantla Baz, C.P. 54020

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BOXLITY OFFICES TIJUANA

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BOXLITY OFFICES MONTERREY

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