Commercial Flicker-Free LED Lighting Buyer's Checklist

A Practical RFQ & Sample Approval Guide for Commercial Lighting Projects

What to ask. What to test. What to document.

Prepared for:

- Lighting Distributors
- Electrical Contractors
- Project Buyers
- Lighting Designers
- Commercial Property Teams

01. Define the Project

Before You Request a Quote

Item	Your Requirement
Application	
Project location	
Fixture type	
Quantity	
Installation	Recessed / Surface / Suspended
CCT	
CRI	
UGR	
Dimming	
Emergency	Yes / No
Sensor	Yes / No
Required delivery date	

02. Driver Information

Driver & Flicker Checklist

Ask the supplier to provide:

- [ ] Driver brand
- [ ] Driver model
- [ ] Input voltage
- [ ] Output voltage
- [ ] Output current
- [ ] Dimming method
- [ ] Rated operating conditions
- [ ] Flicker-related test data
- [ ] PstLM data where applicable
- [ ] SVM data where applicable

Important
Do not approve a quotation based only on the phrase “Flicker-free driver”.

Record the actual driver model used for the approved sample.

03. Check the Complete System

Dimming & Control Checklist

Control

On / Off	☐	1–10V	☐
0–10V	☐	DALI / DALI-2	☐
TRIAC	☐	Wireless	☐
Sensor	☐	Emergency	☐

Sample Test

- ☐ Full-load operation
- ☐ Typical operating level
- ☐ Minimum dimming level
- ☐ Control compatibility
- ☐ Start-up behaviour
- ☐ Repeated on/off operation

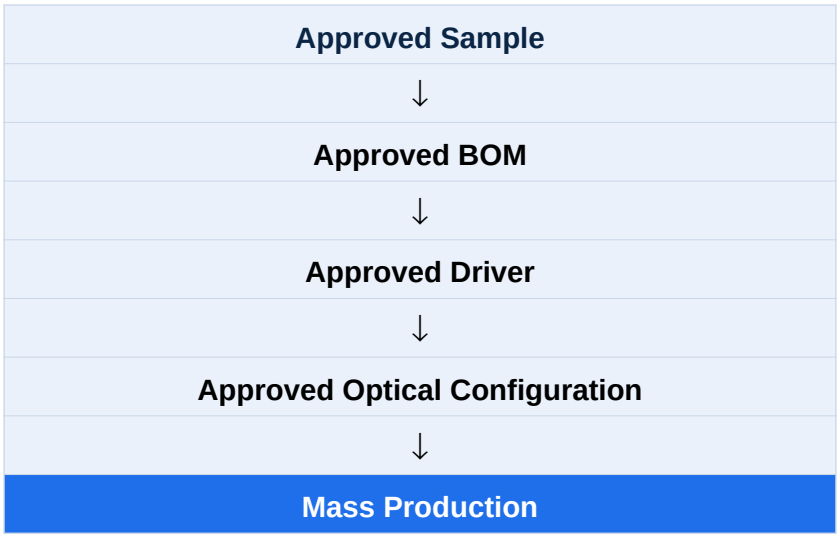
04. Request These Documents

Supplier Documentation Checklist

- [ ] Product datasheet
- [ ] Driver datasheet
- [ ] IES / LDT file
- [ ] UGR information
- [ ] CCT / CRI information
- [ ] Flicker-related test data
- [ ] Dimming compatibility
- [ ] CE / RoHS documents where applicable
- [ ] Sample specification
- [ ] Warranty terms
- [ ] Production change-control policy

Sample vs. Mass Production

Before placing the order, lock the approved configuration:



Final Supplier Scorecard

Check	Pass	Follow-up
Driver identified	☐	☐
Flicker data available	☐	☐
Dimming tested	☐	☐
IES / LDT available	☐	☐
UGR documented	☐	☐
Sample approved	☐	☐
Production configuration fixed	☐	☐
Warranty confirmed	☐	☐

Final Question

Can the supplier prove that the production configuration matches the configuration you approved?

☐ Yes ☐ No

Need a Custom Commercial LED Lighting Configuration?

If your project has specific requirements for:

- Panel dimensions
- Driver brands
- Dimming protocols
- CCT and CRI
- UGR
- Installation
- Sensors
- Emergency lighting
- OEM / ODM

Send your project requirements to **OLAMLED** for a technical review.

Request a Custom Lighting Solution