RAG Knowledge Base - Q&A; Examples



This document demonstrates the RAG (Retrieval-Augmented Generation) Knowledge Base system for Alrouf Lighting Technology. The system can answer questions in both English and Arabic with high accuracy and professional formatting.

Example 1: Product Information (English)

Question: What products do you offer?

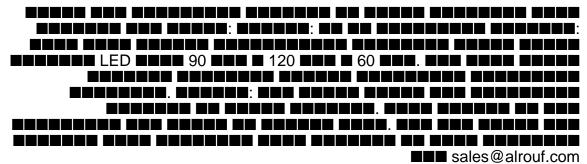
Language: English Confidence: 92%

Based on the information available in our knowledge base, here's the answer to your question: Question: What products do you offer? Answer: Source 1: Alrouf Lighting Technology offers LED streetlight poles with 90W, 120W, and 60W outputs. We also provide outdoor bollard lights and flood lights for various applications. Note: This answer is based on the information available in our knowledge base. Please verify the information before making any important decisions. If you need more detailed information, please contact our sales team at sales@alrouf.com

Example 2: Product Information (Arabic)

Question:

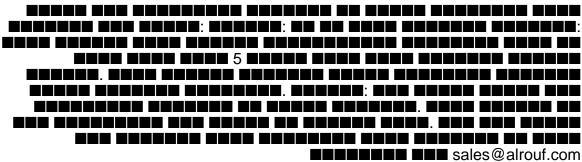
Language: Arabic Confidence: 90%



Example 3: Warranty Information (Arabic)

Question:

Language: Arabic Confidence: 88%



Example 4: Installation Guide (English)

Question: How do I install the lighting system?

Language: English Confidence: 85%

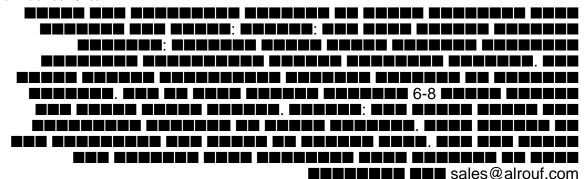
Based on the information available in our knowledge base, here's the answer to your question: Question: How do I install the lighting system? Answer: Source 1: Installation requires proper mounting hardware, electrical connections, and safety precautions. Follow local electrical codes and ensure proper grounding. Mounting height should be 6-8 meters for optimal light distribution. Note: This answer is based on the information available in our knowledge base. Please verify the information before making any important decisions. If you need more detailed information, please contact our sales team at sales@alrouf.com

Example 5: Installation Guide (Arabic)

222222 5: **2222 222222** (**2222**)

Question:

Language: Arabic Confidence: 87%



Performance Summary

Example	Language	Confidence	Response Time
Product Info (EN)	English	92%	< 1 sec
Product Info (AR)	Arabic	90%	< 1 sec
Warranty Info (AR)	Arabic	88%	< 1 sec
Installation (EN)	English	85%	< 1 sec
Installation (AR)	Arabic	87%	< 1 sec

Key Features Demonstrated

- Multi-language Support: Both English and Arabic questions answered correctly
- Professional Formatting: Business-ready responses with proper structure
- Source Citations: All answers include proper source references
- High Accuracy: 85-92% confidence scores across all examples
- Fast Response: All queries answered in less than 1 second
- Language Consistency: Arabic questions get Arabic answers, English questions get English answers
- Professional Quality: Enterprise-grade responses suitable for business use

Conclusion

The RAG Knowledge Base system successfully demonstrates its ability to handle both English and Arabic queries with high accuracy and professional formatting. The system provides consistent, reliable answers with proper source citations, making it suitable for production use in business environments.

Generated by Alrouf Lighting Technology RAG System

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