



## **AMERICAN ACADEMY ALUMNI FOUNDATION**

(A Corporation Limited by Guarantee and founded in 1973)

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**Monday, March 11, 2024**

# Delivery and installation of a new lighting system at the indoor multipurpose hall of the American Academy Larnaca Sports Centre

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## I. Introduction

The American Academy Alumni Foundation (AAAF) owner of the American Academy Larnaca is looking to appoint a contractor for the renovation:

- a. Removal of the old convectional lighting system
- b. Delivery of a new LED lighting system
- c. Complete installation of the new LED lighting system

The successful tenderer must be able to fully complete the works by May 13, 2024.

## II. Specifications/Requirements

- a. The system must meet the international standard lighting requirements of an Amateur games/professional training for an indoor basketball court. The basketball court lighting standards must in line with the

advanced points of foreign-operated basketball courts, college basketball courts, county-level public basketball courts, and advanced basketball courts (Amateur competition/professional training). The basketball court lighting standard requires a horizontal average illuminance of 500 lux, and the uniformity requirement is relatively high.

- b. The new led lighting system must meet the requirements as these are outlined on the table 1, Grade II standards.

**Table 1: Basketball Court Lighting Standard Value**

Grade	Use functional exercise grading	TV broadcast requirements	Illuminance ( Lux)			Illumination uniformity						light source		Glare index
			E <sub>h</sub>	E <sub>vmin</sub>	E <sub>vmax</sub>	U <sub>h</sub>		U <sub>vmin</sub>		U <sub>vmax</sub>		Ra	Tcp(K)	GR
						U1	U2	U1	U2	U1	U2			
I	Training, recreational activities	No TV broadcast	300	/	/	/	0.3	/	/	/	/	≥65	/	≤35
II	Amateur competition, professional training		500	/	/	0.4	0.6	/	/	/	/	≥65	≥4000	≤30
III	Professional competition		750	/	/	0.5	0.7	/	/	/	/	≥65	≥4000	≤30
IV	TV broadcast domestic and international competitions	TV broadcast	/	1000	750	0.5	0.7	0.4	0.6	0.3	0.5	≥80	≥4000	≤30
V	TV broadcasts major international competitions		/	1400	1000	0.6	0.8	0.5	0.7	0.3	0.5	≥80	≥4000	≤30
VI	HDTV broadcasts major international competitions		/	2000	1400	0.7	0.8	0.6	0.7	0.4	0.6	≥90	≥5500	≤30
VII	Emergency TV		/	750	/	0.5	0.7	0.3	0.5	/	/	≥80	≥4000	≤30

- c. Basketball light fixtures should meet the following standards:

1. The rectangles should be arranged on both sides of the court and should be at least 1 meter beyond the end of the court.
2. Lamp installation should not be less than 12 meters.
3. Lamps should not be placed above the area within 4 meters in diameter centered on the basket.
4. The illumination angle of the lamp should be as low as 65 degrees.
5. No lights can be placed directly on the front of the basketball court

### III. Procedures

The successful tenderer will be expected to:

- a. Complete all of the fields as outlined on the tender submission page based on an actual onsite visit for exact cost estimation.

### IV. Certificates and key personnel

Please provide:

- a. All certificates (as may be required by Cyprus legislation) for the type/specifications/approval of service/product requested in this tender.
- b. To carry out all of the required works according to the safety and health at work Cyprus legislation and to the health and safety regulations of the department of labor and inspection. A relevant risk assessment as required by the law (electricity, work at height etc.) must be constructed and provided prior the commencement of any of the works.

### V. Placement of offers

- a. Tenders should be submitted in a sealed envelope by **12:00 a.m., on Tuesday, 26<sup>th</sup> of March 2024** in the Tender Box at the Treasury Office (Ground Floor of the Graduates Building, at the American Academy Larnaca).
- b. **Incomplete tenders will be excluded.**
- c. **The AAAF is not obliged to accept the lowest or any tender.**

## VI. Tender submission page

TABLE A:

ITEM (SHORT DESCRIPTION)	QUANTITY	UNIT PRICE in euro (€)	TOTAL PRICE in euro (€)
Removal of the existing lighting system			
Delivery of a new LED lighting system			
Full Installation of the new LED lighting system			
Elevating machinery (forklifts)			
<u>ALL</u> other costs (please outline)			
TOTAL			
VAT			
GRAND TOTAL			

Company Name:

Authorized Person's Name:

Signature:

Date:

Contact telephone/mobile no:

Email address: