



GIULIO CESARE

**LICITACIÓ DEL SUBMINISTRAMENT EN RÈGIM DE LLOGUER DEL SISTEMA COMPLERT
DE PANTALLES LED I EL SERVEI DE MUNTATGE I DESMUNTATGE NECESSARIS PER A LA
ESCENOGRAFIA DE GIULIO CESARE DE LA TEMPORADA 2024-25**

**TENDER FOR THE SUPPLY, ON A RENTAL BASIS, OF THE FULL LED SCREEN SYSTEM
AND THE ASSEMBLY AND DISASSEMBLY SERVICE REQUIRED FOR THE SET OF GIULIO
CESARE FOR THE 2024-25 SEASON.**

**PLEC DE PRESCRIPCIONS TÈCNIQUES
TECHNICAL SPECIFICATIONS DOSSIER**

DATA: 07/02/2025



**Technical specifications for the supply of the led panels
system required for the set of 'Giulio Cesare'.**

07/01/2025

ÍNDEX

1 INTRODUCTION.....	3
2 TARGET OF THIS CONTRACT	3
3 TECHNICAL ISSUES, SUPPLIES AND SERVICES PART OF THIS CONTRACT.....	3
3.1 Equipement supply	3
3.2 Staff	4
4 PLANNING & STAFF NEEDED.....	5
5 LOADING / UNLOADING, TRANSPORT AND INSURANCE	6
6 DOCUMENTATION	6



**Technical specifications for the supply of the led panels
system required for the set of 'Giulio Cesare'.**

07/01/2025

1 INTRODUCTION

During the season 24-25 (Chasing a Dream), the Liceu Opera House has programmed the opera GIULIO CESARE (co-production between the National Opera & Ballet (hereinafter referred to as NO&B and the Liceu).

Part of the set of this opera is a metal box with two LED screens (bottom and front) anchored to the structure. These LED panels are not included in the production.

The original structure was designed in 2022 in accordance and collaboration with the company FABER AUDIOVISUALS B.V. (from 1st of January 2025 named Creative Technology Netherlands B.V.). And it was created and built it specifically to use the LED panels Glux BAtn10D EMC 500x1000.

For this reason, the co-production agreement with the NO&B requires us to work with the FABER LED screens and their system. (Hereinafter referred to as CT)

2 TARGET OF THIS CONTRACT

The purpose of the contract is the rental of the complete LED Glux system (including cables, hooks, safeties, drivers, etc...), as well as the technical assistance to lead the assembly and start-up of the LED screens on the Giulio Cesare base structure at the Liceu theatre and dismantling and loading in concordance with the terms and conditions settled in this document.

3 TECHNICAL ISSUES, SUPPLIES AND SERVICES PART OF THIS CONTRACT

The production should have a front and a bottom LED screen. The tenderer must provide the required quantity of panels, drivers, power and signal cables.

The steel frames to hang the panels will be provided by the NO&B.

The Liceu will provide the extra extension cables if required and power supply boxes by agreement

3.1 Equipement supply

The equipment required for this production is:

Front side LED cube - BxH 9x3m - Glux10mm / 18x3 panels LED

- 54 Glux BAtn10D EMC 500x1000
- 100 Glux FaLock (4Way)
- 2 Glux VSP-F2L4 Processor
- 2 USB 2.0 A – B
- 2 Signal processor Barco ImagePRO II
- 1 Glux SDV08 2x Signal Distributor
- 2 Schuko 240V -> Powercon True1 Adapter Cable
- 1 Laptop with control software
- 1 USB Stick with control software

Bottom side LED cube - BxH 9x11m - Glux10mm / 18x11 panels LED

- 198 Glux BAtn10D EMC 500x1000
- 240 Glux FaLock (4Way)
- 2 Glux VSP-F2L4 Processor
- 2 USB 2.0 A – B



Technical specifications for the supply of the led panels system required for the set of 'Giulio Cesare'.

07/01/2025

- 2 Signal processor Barco ImagePRO II
- 1 Glux SDV08 2x Signal Distributor
- 2 Schuko 240V -> Powercon True1 Adapter Cable
- 1 Laptop with control software
- 1 USB Stick with control software

Power cable

- 1 32A CEE 3-Phase - 5m
- 2 32A CEE 3-Phase - 10m
- 1 PDU 63A CEE 3-Phase -> 4x Socapex
- 1 PDU 32A CEE 3-Phase -> 6x Powercon True1 3x Schuko (19" with tail)
- 4 Socapex Extension Cable 10m
- 4 Socapex Extension Cable 20m
- 2 Socapex 4-Way Multi Cable 25m
- 4 Socapex to 6x Powercon True1 (Break-out Box)
- 4 Glux CT G10 True1- ODU F - 5m
- 4 Glux CT G10 True1- ODU F - 10m
- 6 ODU Powerlink Male-Female 2m (Glux)
- 4 Schuko 240V -> Powercon True1 Adapter Cable
- 4 Schuko 240V 1-phase Extension Cable 3m
- 4 Schuko 240V 1-phase Extension Cable 10m
- 4 Schuko 240V 1-phase -> 4-Way DU IP44

Data LED cable

- 1 Optical fiber 4-core ST Connector Reel 100m (SM)
- 6 Ethercon Datalink 3m
- 6 Ethercon Datalink 10m
- 6 Ethercon Datalink 20m
- 1 Ethercon Datalink Multi 4x 30m
- 1 Set 10x Ethercon Data Joiner
- 6 Ethercon Cat5 -> ODU Medi-Snap Datalink Male adapter cable 8p 10m (Glux EMC-B2)
- 2 Ethercon Cat5 -> ODU Medi-Snap Datalink Male adapter cable 8p (Glux EMC-B2)
- 20 ODU Datalink Male-Male 8p 0,5m (Glux)
- 22 ODU Datalink Female-Female 8p 0,5m (Glux)

3.2 Staff

1 technician service according to the dates scheduled in point 4 of this document.
Flights and hotels for 1 person will be organised and paid for by Liceu.



**Technical specifications for the supply of the led panels
system required for the set of 'Giulio Cesare'.**

07/01/2025

2 LED technicians supplied by Liceu will assist the CT technician with the assembly, disassembly, load preparation and loading.

4 PLANNING & STAFF NEEDED

The planning and staff needed will be the following:

21-04-2025

Loading at CT facilities and transport of the material to the Liceu.

24/04/2025

Unload CT LED screens in Barcelona at the Liceu.

27/04/2025

Travel of 1 LED technician from CT to Barcelona.

From 28/04/2025 to 30/04/2025 (in the assembly hall)

Working day of 1 LED technician from the tenderer.

Installation of LED screens on the bottom and frontal sides in collaboration with 2 LED technicians supplied by Liceu.

01/05/2025

Travel back of the CT LED technician.

Screens usage time:

Set up on stage: May 11th & 12th 2024.

Rehearsals: From May 13th 2025 to May 24th 2025

Performances: From May 25th 2025 to June 7th 2025

07/06/2025

Travel of 1 CT LED technician to Barcelona.

08/06/2025

Working day of 1 LED technician from the tenderer.

Dismantling and preparation for loading in collaboration with 2 LED technicians supplied by Liceu.

Once the dismantling is finished the material will be loaded to be sent back to the tenderer's warehouse will be done.

The equipment will travel with part of the GIULIO CESARE production with a special stop at the CT warehouse.

09/06/2025

Loading and transportation of the material from Liceu to CT warehouse.

Travel back of the CT technician.



Technical specifications for the supply of the led panels
system required for the set of 'Giulio Cesare'.

07/01/2025

13/06/2025

Unloading at CT warehouse.

NOTE: The bidder's technician will be always assisted by Liceu technicians.

5 LOADING / UNLOADING, TRANSPORT AND INSURANCE

The transport from the tenderer's warehouse to Liceu and return would be organized and paid for by Liceu according to the schedule specified in this document.

Loading and unloading at the tenderer's warehouse will be done and paid by the tenderer.

Loading and unloading at Liceu will be done and paid by Liceu.

The insurance of the equipment during the rental period (including the *in itinere* time) will be contracted and paid by Liceu. The value of the elements insured will be 388.400,25 €. The conditions of the insurance will be agreed with the tenderer.

6 DOCUMENTATION

The rental company must supply all the equipment with all the technical data, layouts and instructions, needed.

Technical contact: In addition, it will be essential to designate a person in charge with a mobile phone as a contact for remote technical assistance if necessary.

Marc Comas

Oficina Tècnica
Gran Teatre del Liceu