

DUNGEONS & DRAGONS
THE TWENTY-SIDED TAVERN

*Stage 42
New York, New York*

LIGHTING EQUIPMENT LIST
REVISION D - 04 MARCH 2024

REVISION C - 26 FEBRUARY 2024

REVISION B - 12 FEBRUARY 2024

REVISION A - 06 FEBRUARY 2024

FOR BID ONLY



I. Lighting Team

Lighting Designer:	Mike Wood
Associate Lighting Designer:	Abby May
Associate Lighting Designer:	Dalton Hamilton
Moving Light Programmer:	Henry Wilen
Production Electrician:	Dan Mullins
Production Manager:	Joshua Bernard Tinc Productions

II. Venue

Stage 42
442 W 42nd St
New York, NY 10036

III. Show Dates

Shop Prep:	March 7th, 2024 - March 22nd, 2024
Load In Begins:	March 25th, 2024
Tech:	April 5th, 2024
Opening Night:	May 5th, 2024
Closing Night:	Open Ended

IV. General Responsibility

DRAWINGS REPRESENT VISUAL CONCEPTS AND CONSTRUCTION SUGGESTIONS ONLY. THE DESIGNER IS NOT QUALIFIED TO DETERMINE THE STRUCTURAL OR ELECTRICAL APPROPRIATENESS OF THIS DESIGN AND WILL NOT ASSUME RESPONSIBILITY FOR IMPROPER IMPLEMENTATION. THE DESIGN WILL BE INSTALLED ACCORDING TO THE MOST STRICT LOCAL AND NATIONAL SAFETY CODES.

V. Notes

– No substitutions without prior approval of the Lighting Design Team –

This list supersedes any previous issues as of 03.04.2024

- Entire package to be made ready by shop and to include all lamps, connections, cables, c-clamps, side arms, pipe, bases, controls, color frames, iron, ladders, cable, multicable, feeder, distribution panels, plug boxes, stiffeners, work lights, pattern holders, donuts, and zetex, etc. for a complete working system.
- All cabling and connector requirements, controllers, power distribution and rigging elements for a complete working system to be specified by Production Electrician. All methods and techniques of electrification subject to approval by Production Electrician.
- All methods and techniques of rigging and automation subject to approval by Production Manager.
- Provide all units with lamp, clamp or mounting hardware, standard color frame, and safety cable unless otherwise noted.
- All equipment, including rigging hardware and accessories, shall be a uniform flat black.
- All Template units are to have “sandwich” style gobo holders. All templates are size A.
- All Moving Lights to be supplied with new lamps and optimized in shop and prepped by shop including installation of any gobos and color.
- Provide all control interfaces necessary for a full working system.
- All Electronics are to have the latest software unless otherwise specified.
- Any modifications to accessories and or units to be done in shop to ensure proper fit and operation.
- Abbreviations used throughout:
 - i. LD – *Lighting Designer*
 - ii. ALD – *Associate Lighting Designer*
 - iii. PM – *Production Manager*
 - iv. SHOP – *Lighting Rental Shop*
- **Spares ARE included in this order.**

For further information or questions regarding these specifications, please contact:

LD, Mike Wood at //
Assoc. LD, Abby May at //
Assoc. LD, Dalton Hamilton at //

LIGHTING EQUIPMENT LIST

I. Lighting Control

Item	Needed	Spare	Total
ETC Apex 10 Lighting Console - Programmer *	1	0	1
Eos Motorized Fader Wing 20 - Show Run	1	0	1
ETC Apex Processor w/ Keyboard and Mouse *NO TRACKBALLS* - Primary	1	0	1
ETC Eos TI Lighting Console – Backup & Show Run	1	0	1
ETC IonXE20 Lighting Console – Deck Remote *	1	0	1
24" Dell P2418HT Flat Panel HDMI Monitors (4) Lighting Designer * (3) Assoc. Lighting Designer (AM) * (3) Assoc. Lighting Designer (DH) * (3) Lighting Programmer * (3) Main Console (Remains with Show) (3) Stage Management, Video, & Show Control (Remains with Show) (1) Deck IonXE (Production Electrician)*	23	3	26
ETC Nomad Puck (Latest Generation) w/ Keyboards and Mice *NO TRACKBALLS* (2) Lighting Designer * (1) Assoc. Lighting Designer (AM) * (1) Assoc. Lighting Designer (DH) * (3) Stage Management, Video, & Show Control (Remains with Show)	7	1	8
Vesa 100 Dual Stack Monitor Stand or Similar *	5	0	5
ETC Response 2-Port DMX Gateway	2	1	3
ETC Response 4-Port DMX Gateway w/ Rack Ears	6	1	7
ETC Response SMPTE Gateway w/ Rack Ears	1	1	2
ETC Response MIDI Gateway w/ Rack Ears	2	1	3
ETC I/O Response Gateway w/ Rack Ears	1	1	2
16-Port Unmanaged Network Switch w/ Rack Ears	8	1	9
24-Port Managed POE Switch w/ Rack Ears	1	0	1
Opto Splitter w/ Rack Ears	13	1	14

- Provide ALL equipment necessary for a full working system.
- Additional equipment as per Production Electrician and Moving Light Programmer.
- Console system to be configured for MIDI and SMPTE. Provide all necessary for a full working system.
- Interface to: All Dimmers, Moving Lights, LED's, etc., per Production Electrician.
- Console Little-Lites and Console Covers.

* Indicates for **PRODUCTION PERIOD ONLY**

II. Data, Networking, and Power Distribution

Item	Needed	Spare	Total
48way 120/208v Power Distro w/ Camlock Pass-Thru	4	0	4
24way 120/208v Power Distro w/ Camlock Pass-Thru	1	0	1
ETC 24 x 2.4kw Portable Dimmer Rack w/ CEM 3 Control Card	1	0	1
ETC R20 Relay Card	2	1	3
UPS - Rack Mountable	4	1	5
Empty Racks for Data Distro w/ Rack Screws (2 Large, 3 Small)	5	0	5

III. Moving Lights

Item	Needed	Spare	Total
Elation Artiste Picasso w/ Hanging Hardware FOH fixtures to be outfitted with (1) custom gobo	29	7	36
Martin Mac Aura XB w/ Hanging Hardware & City Theatrical Top Hat Part Number 2791	32	4	36

- All Moving Lights to be the same generation with the same and latest software.
- All Moving Lights to be prepped by shop including loading of all non-stock color and templates.
- Moving Lights to be provided with spares and repair parts to allow service in the field.
- Costs associated with normal wear & tear moving light maintenance & parts to be included in rental.

IV. Static Instruments

Item	Needed	Spare	Total
ETC Source Four LED Series 3 Lustr - Body	167	19	186
ETC Source Four LED Series 3 Lustr - 10° Standard Lens	0	6	6
ETC Source Four LED Series 3 Lustr - 14° Standard Lens	13	7	20
ETC Source Four LED Series 3 Lustr - 19° Standard Lens	28	8	36
ETC Source Four LED Series 3 Lustr - 26° EDLT Lens	91	9	100
ETC Source Four LED Series 3 Lustr - 36° EDLT Lens	31	9	40
ETC Source Four LED Series 3 Lustr - 50° EDLT Lens	4	6	10
ETC ColorSource Par Deep Blue - Body	26	4	30
ETC ColorSource Par - Medium Round Lens	6	6	12
ETC ColorSource Par - Narrow Round Lens	20	5	25
ChromaQ Colorforce II 72 w/ Cyc Lens	9	2	11
Rosco Miro Cube 4CA w/ Rosco Opti-Sculpt 40/60 Round Lens	9	2	11
Axtera NYX Bulb - Black	13	3	16
LED Work Light	8	0	8
Clip Light w/ Blue LED Lamp	20	0	20

- Mounting hardware and trunnions per production electrician.
- All LED units to be controlled by the Eos Console.
- Provide any distribution and controllers necessary for a full working system.
- All units must be checked for matching color in the shop.

V. Atmospherics

Item	Needed	Spare	Total
MDG Atmosphere Haze Generator with DMX Control, CO2 Hose and Regulator	2	1	3
Jem AF-1 MKII DMX Fan	2	1	3

VI. Truss, Pipe, & Ladders

Item	Needed	Spare	Total
20.5" 10' Box Truss - Black	10	0	10
20.5" 8' Box Truss - Black	1	0	1
20.5" 5' Box Truss - Black	3	0	3
12" 10' Box Truss - Black	4	0	4
10' Schedule 40 Pipe (moved to Iron)	0	0	0
GLP U-Torm 50 Ladder (Or Similar) (20 torms, 4 tops)	20	0	20
GLP U-Top 50 Ladder (Or Similar) (20 torms, 4 tops)	4	0	4

VII. Cable

Item	Needed	Spare	Total
10' Socapex Multi-cable	10	0	10
15' Socapex Multi-cable	5	0	5
25' Socapex Multi-cable	10	0	10
50' Socapex Multi-cable	5	0	5
75' Socapex Multi-cable	15	0	15
100' Socapex Multi-cable	15	0	15
125' Socapex Multi-cable	10	0	10
150' Socapex Multi-cable	10	0	10
L6-20 Staggered Break-Out	40	0	40
L6-20 Break-In	10	0	10
2P&G Short Straight Break-Out	15	0	15
2P&G Break-In	14	0	14
Edison Long Straight Break-Out	4	0	4
Edison Break-In	3	0	3
Socapex Two-Fer	2	0	2
6' 4/0 Bare End to Camlock 5-wire Feeder Tail	1	0	1
10' 4/0 Camlock 5-wire Feeder Set	6	0	6

Item	Needed	Spare	Total
5' L6-20 Cable	55	0	55
10' L6-20 Cable	50	0	50
15' L6-20 Cable	30	0	30
25' L6-20 Cable	20	0	20
50' L6-20 Cable	10	0	10
L6-20 Male to 2P&G Female Adapter	20	0	20
L6-20 Female to 2P&G Male Adapter	20	0	20
5' 2P&G Cable	30	0	30
10' 2P&G Cable	30	0	30
15' 2P&G Cable	20	0	20
25' 2P&G Cable	25	0	25
50' 2P&G Cable	15	0	15
100' 2P&G Cable	5	0	5
MED	10	0	10
FED	30	0	30
10' Edison Cable	40	0	40
25' Edison Cable	45	0	45
50' Edison Cable	30	0	30
75' Edison Cable	10	0	10
100' Edison Cable	10	0	10
25' Edison Stringer	4	0	4
Edison Quad Box w/ 2P&G Pass-Thru	30	0	30
Waber Strip	30	0	30
Edison Molded Rubber Tri-Tap	15	0	15
5' True1 Cable	80	0	80
10' True1 Cable	100	0	100
15' True1 Cable	20	0	20
25' True1 Cable	15	0	15
10' PowerCon Cable	25	0	25

Item	Needed	Spare	Total
15' PowerCon Cable	15	0	15
25' PowerCon Cable	5	0	5
PowerCon Barrel	10	0	10
100' 8-Channel DMX Snake	1	0	1
50' 4-Channel DMX Snake	1	1	2
100' 4-Channel DMX Snake	5	1	6
5' 5-Pin DMX Cable	200	0	200
10' 5-Pin DMX Cable	180	0	180
15' 5-Pin DMX Cable	30	0	30
25' 5-Pin DMX Cable	40	0	40
50' 5-Pin DMX Cable	25	0	25
2x75' 5-Pin DMX Bundle	6	0	6
2x100' 5-Pin DMX Bundle	4	0	4
2x125' 5-Pin DMX Bundle	2	0	2
2x150' 5-Pin DMX Bundle	4	0	4
3-pin Female to 5-pin Male DMX Adapter	5	0	5
5-pin Female to 3-pin Male DMX Adapter	5	0	5
5-pin Male DMX to Cat5 Adapter	5	0	5
5' Cat6 Ethernet Cable	60	0	60
10' Cat6 Ethernet Cable	70	0	70
15' Cat6 Ethernet Cable	10	0	10
25' Cat6 Ethernet Cable	30	0	30
50' Cat6 Ethernet Cable	10	0	10
75' Cat6 Ethernet Cable	10	0	10
2x100' Cat6 Ethernet Bundle	4	0	4
2x150' Cat6 Ethernet Bundle	4	0	4
Cat6 Ethernet Barrel	15	0	15

All single cable, multi-cable, control cable, cable retractors, connectors, adapters, feeder, etc to be determined by Production Electrician.

VIII. Iron

Item	Needed	Spare	Total
3' Schedule 40 Black Pipe, Threaded Both Ends	20	0	20
4' Schedule 40 Black Pipe, Threaded Both Ends	20	0	20
7' Schedule 40 Black Pipe, Threaded Both Ends	0	0	0
10' Schedule 40 Black Pipe, Threaded Both Ends	10	0	10
12' Schedule 40 Black Pipe, Threaded Both Ends	6	0	6
13' Schedule 40 Black Pipe, Threaded Both Ends	2	0	2
Steel Rigid Cheeseborough	85	0	85
Steel Swivel Cheeseborough	40	0	40
Aluminum Rigid Cheeseborough	40	0	40
Aluminum Swivel Cheeseborough	10	0	10
Threaded 1.5" Floor Flange	10	0	10
Threaded 1.5" Pipe Coupler	10	0	10
50lb Boom Base	0	0	0
25lb Saddle-Style Sandbag	0	0	0
24" Safer Sidearm	12	2	14
36" Safer Sidearm	12	2	14

All additional pipe, clamps, sidearms, stiffeners, bases, unistrut hardware, cheeseboroughs, and boom locking hardware are to be determined by Production Electrician for a full working system.

All iron to be clean and painted flat black.

IX. Accessories

Item	Needed	Spare	Total
Short Top Hat 6.25"	46	14	60
Full Top Hat 6.25"	40	10	50
Full Top Hat 7.5"	13	2	15
Size A Sandwich Template	68	20	88

X. Ladders, Lifts, Miscellaneous

Item	Needed	Spare	Total
30' Genie Personnel Lift	1	0	1
30' Genie Personnel Lift* - For Tech Period Only	1	0	1
6' A-Frame Ladder	2	0	2
8' A-Frame Ladder	3	0	3
14' A-Frame Ladder	1	0	1
Cable Ramp	4	0	4
Work Box	1	0	1

XI. Perishables

Item	Needed	Spare	Total
R132 Sheet	24	6	30
R119 Sheet	0	10	10
R78663 "Jaguar Breakup" - Size A Gobo	24	4	28
R78240 "Bark Breakup" - Slze A Gobo	4	2	6
G579 "Foliage Breakup 3" - Size A Gobo	14	4	18
R77760 "Reflections" - Size A Gobo	8	0	8
Custom Picasso Gobo (see Attached File)	15	2	17
3000' Spool of Unwaxed Tie Line	2	0	2
36" Black Rubber Matting by the Yard	6	0	6
4L MDG Neutral Haze Fluid	4	0	4
Roll of 12" Black Wrap	2	0	2
Roll of 2" Black Tack	2	0	2
Roll of Friction Tape	10	0	10
Roll of Black Electrical Tape	4	0	4
Roll of Red Electrical Tape	6	0	6
Roll of Yellow Electrical Tape	6	0	6

Item	Needed	Spare	Total
Roll of 1" Clear Vinyl Tape	0	0	0
Roll of 2" Clear Vinyl Tape	0	0	0
Roll of 1" Black Gaff Tape	0	0	0
Roll of 1" White Gaff Tape	2	0	2
Roll of 2" Black Gaff Tape	10	0	10
Roll of 2" White Gaff Tape	6	0	6
Roll of 2" Bright Yellow Gaff Tape	2	0	2
Roll of 2" Bright Green Gaff Tape	2	0	2
Roll of 2" Bright Orange Gaff Tape	2	0	2
Roll of 2" Bright Blue Gaff Tape	2	0	2
Roll of 2" Bright Red Gaff Tape	1	0	1
Roll of 2" Bright Pink Gaff Tape	2	0	2

XII. Tech Table Accessories

Item	Needed	Spare	Total
8' Black Tech Tables w/ Mounting TBD per Production Electrician	6	0	6
Adjustable Sawhorse	12	0	12
Butt Board	12	0	12
Color Laser Printer - Provide replacement toner cartridges	1	0	1
Power Strips	16	4	20
LittleLites	43	7	50
Apple Boxes - Full	24	0	24
Apple Box - Half	20	0	20

-- END OF LIGHTING EQUIPMENT LIST --

DUNGEONS & DRAGONS[®]

THE TWENTY-SIDED TAVERN

Stage 42 – New York, New York

Load In - Revision B - 03.12.2024

For Bid Only - Revision A - 02.01.2024

SCENIC ELECTRIC SPECIFICATIONS

ALL MATERIALS AND CIRCUITING MUST COMPLY WITH THE MOST STRINGENT APPLICABLE NATIONAL AND LOCAL FIRE AND SAFETY CODES. ALL DRAWINGS, AND THESE SPECIFICATIONS, REPRESENT VISUAL CONCEPTS AND CIRCUITING SUGGESTIONS ONLY. THE DESIGNER IS UNQUALIFIED TO DETERMINE THE ELECTRICAL APPROPRIATENESS OF THIS DESIGN AND WILL NOT ASSUME RESPONSIBILITY FOR IMPROPER ENGINEERING, CIRCUITING, OR USE OF ELECTRIFIED SCENERY AS PERTAINS TO THESE SPECIFICATIONS.

– No substitutions without the approval of Lighting Design Team –

- These Specifications are preliminary and are provided for bids only. Do not build from this order.
- Entire scenic electric package to be made ready by shop for a full working system, including all cabling, power supplies, connector requirements, controllers, control interfaces, power distribution, automation, rigging elements, etc.
- Provide all units with lamp, clamp or mounting hardware, and all accessories unless otherwise noted.
- All battery units to have two sets of batteries and be constructed for daily battery swaps and off-unit charging.
- All equipment, including rigging hardware and accessories, shall be a uniform flat black unless otherwise noted.
- Provide all control interfaces for a full working system, including but not limited to Wireless Dimmers, Transceivers, Receivers, or DMX interfaces for fog machines.
- Provide Samples of ALL decorative bulbs and/or LED products prior to bulk ordering and construction.
- All LED Tape of the same specification to be of matching batch for color consistency. Provide matching spares.
- All Transformers and LED Drivers of the same specification to be of the same Brand and Model for dimming consistency.
- All LED Dimmers should be full 16-bit resolution, unless specifically noted otherwise.
- Any Amperage Specifications are the designers estimate. The Shop will be responsible for ensuring the proper wiring, etc. to carry the load on all circuits.
- All electronics are to have the latest software unless otherwise specified.
- Any modifications to accessories and or units to be done in shop to ensure proper fit and operation.
- Provide access for maintenance to all Set Electric Elements. Provide adequate venting and/or fans where necessary.
- It is the responsibility of the Scenic Shop to keep in constant communication with Lighting Designer, Production Electrician and Production Supervisor during build to be sure that no structure impedes or interferes with lighting equipment.

SCENIC SPECIFICATIONS

I. Scenery

General Notes

- See scenic design drawing for unit dimensions and placement.
- Confirm all sizes and locations with Lighting Designer before construction!
- Lighting Fixtures called out are Preliminary choices, confirm equipment types before construction.
- Cable placement as per Production Electrician and Production Supervisor.
- Provide easy access for maintenance.

A. Portal Beams - Refer to Plate 5 (Set Electrics) of LX Drawing

Pixel Tape

- Each Portal Beam to have LED Pixel Tape mounted to internal top side of beam
- Pixel tape will be masked behind a lensing provided by scenery
- Provide a total of 180' of Environmental Lights RGBA-4in-PixelControl-Reel-60 Tape
- <https://www.environmentallights.com/17789-rgba-4in1-pixelcontrol-reel-60.html>
- Individual pixels should not be visible behind the lensing. Please ensure prior to full installation.
- Pixel Tape to be controlled in different sections. TBD.
- LED tape must dim smoothly with no “pop” at the bottom of the curve.
- Cable placement as per Production Electrician. Please ensure all power and data are hidden.
- Provide any distribution and controllers necessary for a full working system.

B. Shelves - Refer to Plate 5 (Set Electrics) of LX Drawing

LED Tape

- Each Shelf to have LED Tape inset in dado-ed groove on the underside of each shelf.
- Provide a total of 75' of Environmental Lights 6-in-1 ColorPlus 5050 LED Strip Light – RGB + Amber + Tunable White - 60/m - 5m Reel tape
- <https://www.environmentallights.com/18911-rgbatw-5050-60-15-5m.html>
- Pixel Tape to be controlled in different sections. TBD.
- LED tape must dim smoothly with no “pop” at the bottom of the curve.
- Cable placement as per Production Electrician. Please ensure all power and data are hidden.
- Provide any distribution and controllers necessary for a full working system.

C. DMTK Station - Refer to Plate 5 (Set Electrics) of LX Drawing

Pixel Tape

- Dungeon Master Tavern Keeper Station to have LED Pixel Tape to uplight Dungeon Master. Placement TBD.
- Pixel tape will be masked behind a lensing provided by scenery
- Provide a total of 3' of Environmental Lights RGBA-4in-PixelControl-Reel-60 Tape
- <https://www.environmentallights.com/17789-rgba-4in1-pixelcontrol-reel-60.html>
- Individual pixels should not be visible behind the lensing. Please ensure prior to full installation.
- Pixel Tape to be controlled in different sections. TBD.
- LED tape must dim smoothly with no “pop” at the bottom of the curve.
- Cable placement as per Production Electrician. Please ensure all power and data are hidden.
- Provide any distribution and controllers necessary for a full working system.

II. Hanging Electrics

General Notes

- See scenic design drawing for unit dimensions and placement.
- Confirm all sizes and locations with Lighting Designer before construction!
- Lighting Fixtures called out are Preliminary choices, confirm equipment types before construction.
- Cable placement as per Production Electrician and Production Supervisor.
- Provide easy access for maintenance.

A. Hanging Lanterns - Refer to Plate 5 (Set Electrics) of LX Drawing

Axtera NYX Bulbs

- Fixtures previously specified in Electrics Shop Order. Do not order additional fixtures.
- Each Hanging Lantern will have an Axtera NYX Bulb - Black.
- There will be (13) total units with (3) spare bulbs (2 kits of NYX Bulbs).
- <https://astera-led.com/products/nyx-bulb/>
- Axtera NYX Bulbs to be controlled individually.
- Wireless DMX to be specified by Production Electrician. Ensure power and data are hidden.
- Provide any distribution and controllers necessary for a full working system.

B. Fiber Optic House Grid - Refer to Plate 6 (Set Electrics) of LX Drawing

Fiber Optic

- Please discuss with Lighting and Scenery Team at next production meeting.

III. Show Deck

General Notes

- See scenic design drawing for unit dimensions and placement.
- Confirm all sizes and locations with Lighting Designer before construction!
- Lighting Fixtures called out are Preliminary choices, confirm equipment types before construction.
- Cable placement as per Production Electrician and Production Supervisor.
- Provide easy access for maintenance.

A. DS Deck - Refer to Plate 4 (Deck) of LX Drawing

Rosco Miro Cubes

- Fixtures previously specified in Electrics Shop Order. Do not order additional fixtures.
- Deck to have (9) Rosco Miro Cubes Fixtures secured to DS edge of deck.
- Trough to also house Front Fill Speakers. See deck plate to confirm spacing. Confirm speaker location with sound designer.
- All power and data to be dressed as neatly as possible in scenic trough.

- - END OF PACKET - -