Lighting up spaces with innovation

DMuseum





DMUSEUM Inc. I주I디뮤지엄 PRODUCT INTRODUCTION 2024-25





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National Saemangeum Reclamation Museum



PRODUCT INTRODUCTION 2024-25





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National Saemangeum Reclamation Museum

Illuminating Art with Light, Creating Emotional Experiences through Spatial Expression

DMUSEUM Inc. is a leading company that merges art and technology to create emotionally engaging and inspiring spaces. We are dedicated to offering sustainable and innovative exhibition lighting and control solutions.

In the rapidly changing global market, we aim to lead the way by sharing advanced lighting technologies and trends, and by introducing new lighting cultures.

Through the development and production of eco-friendly products, and by implementing social values in a harmonious way, we will continue to secure sustainable competitive advantages and grow into the world's top exhibition lighting specialist.



PRODUCT INTRODUCTION 2024-25



DMUSEUM Inc. leads the future of exhibition culture through cutting-edge lighting technology, spatial design, and immersive media experiences. We specialize in creating curated environments that inspire, inform, and connect—with innovation at the heart of every project.

Exhibition Space Design Costomized Lighting Solutions Smart Lighting Control Smart Lighting Control

Production

Core Technologies of DMUSEUM Inc.

DMUSEUM Inc. not only manufactures exhibition lighting, but also provides smart control systems that enhance usability and convenience.

As the only company in Korea to receive the Minister of Trade, Industry and Energy Award, we offer advanced motorized lighting control technology. This enables precise control of fixture movement, brightness, color temperature, and beam angle.

We also provide optimized lighting design solutions that reflect our deep expertise in exhibition space planning and spatial experience.





Smart Lighting Technology for Optimal Spatial Expression



Optical system

Safe and Accurate Illumination with High CRI COB and Heat-Controlled Design

DMUSEUM Inc. combines advanced technology and design to deliver lighting solutions that protect exhibits and enhance viewer experience.D-Light ensures safe, detailed illumination—especially for sensitive materials—while supporting the visual beauty of each piece.



High-Performance COB for Even Light Distribution

We use top-tier Bridgelux COB modules to provide consistent, high-CRI lighting (CRI 94+), adjustable color temperatures (2700K-6500K), and minimal glare—ideal for preserving both exhibits and visual clarity.



Heat Control & Dimming for Conservation

All products include dimming control for precise lighting adjustment.Built-in heat dissipation structures prevent thermal damage, ensuring a stable and safe exhibition environment.

ICOM Lighting Standards for Museums (International Council of Museums)

Material Type	Recommended Annual Illuminace(Lux/h)
Metals, Ceramics, Glass, Stone	450 lux or less
Wood, Paper, Leather	≤220 lux (≤500,000 lux hours/year)
Silk, Textiles	≤80 lux (≤240,000 lux·hours/year)
Painting	≤100 lux (≤300,000 lux hours/year)



PRODUCT INTRODUCTION 2024-25

Tunable COB

Creating Atmosphere Through Color Temperature Control

Lighting sets the tone of a space—and color temperature is key to shaping mood and emotional impact. Warm tones (lower color temps) offer a cozy, intimate feel, while cool tones (higher color temps) create a calm and refined atmosphere.



Color Tuning for Curated Exhibition Experiences



Precise color temperature control enhances the presentation of artworks and helps convey the unique character of each piece. For example, the same painting may be perceived in completely different ways depending on the color temperature highlighting emotional or visual depth.



DMUSEUM Inc's Tunable COB technology supports a full spectrum from 2700K to 6500K, enabling seamless adjustment to suit any exhibition environment. With CRI 94+, our lighting ensures vivid color fidelity, preserving the artist's original intent and enriching the overall viewing experience.

Luminair system

Precision Light Control for Sophisticated Exhibition Spaces

Lighting plays a crucial role in enhancing exhibits while ensuring a calm and safe viewing experience.DMUSEUM Inc.'s lighting technology allows for detailed control of direction, brightness, color, and beam angle—transforming the space itself into a curated work of art.



Zoom Control for Flexible & Precise Focus

With adjustable beam angles ranging from 20° to 65°,D-Light enables customized lighting for different exhibit types and spatial contexts.Full smart control—including on/off, dimming, CCT, color, pan, and tilt—lets curators fine-tune lighting for artworks, ensuring smooth transitions and minimal glare. This technology supports a wide range of exhibition styles, from galleries to museums, and brings a refined touch to lighting presentation.

Simple & Intelligent Smart Control System



Our smart control solutions expand creative possibilities in exhibition lighting.Using remotes, smartphones, or tablets, users can easily adjust lighting movement, direction, beam angle, CCT, and brightness—all in real time.

This system delivers maximum flexibility with minimal hardware, allowing for adaptive lighting that aligns perfectly with the curator's intent and spatial design goals.

Motorized light control

Innovative Motorized Lighting for Safe and Flexible Exhibition Environments

Exhibition ceilings are often 6-10 meters high, making manual adjustments to track lighting difficult and risky.DMUSEUM solves this with a motorized system that ensures both safety and convenience removing the need for hazardous Bluetooth PAN repositioning during installation or operation. **Full Motion Control** TILT with Precision Motors 1809 D-Light features motorized pan (360°), tilt (180°), and zoom (20°-65°) functions, allowing users to fine-tune lighting positions remotely. The system is built on advanced industrial motor technology with internal memory, ensuring accurate beam positioning that stays in place long-term-even after 20°~65° ZOOM





Smooth & Safe Lighting Transitions

This motorized system enables subtle light direction changes to reduce glare and enhance viewing comfort.By minimizing manual handling, DMUSEUM offers a safer working environment and more refined, adaptable exhibition lighting.

power cycling.

Project References



Sherwood Hall Cultural Space

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Sherwood Hall Cultural Space

Project References



Sherwood Hall Cultural Space



Sherwood Hall Cultural Space



DL-20



Simple, Convenient, Safe, Innovative



DMUSEUM's motorized exhibition lighting system delivers seamless and precise control, optimizing spatial presentation through smooth operation and intelligent lighting technology.





Control lighting effortlessly via app or remote using the Bluetooth MESH network.From Pan, Tilt, Zoom, and CCT to Dimming, all functions are wirelessly adjustabledelivering a new standard in lighting that maximizes spatial flexibility and value.

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Versatile and Intelligent Exhibition Spotlight - DL-20

The DL-20 is an 18-20W track spotlight with Bluetooth and RFbased smart control, enabling full remote operation. With tunable color temperature ranging from 2700K to 6500K,the DL-20 provides pan (350°), tilt (180°), and zoom beam angle (20°-65°) adjustments for highly flexible and detailed lighting control. Additional dimming functionality enhances spatial expression, highlighting exhibit features with precision and depth.



Dimensions





Input Voltage	AC 220-240V
Power Consumption	20W
Output Voltage	DC 48V
Frequency	50/60Hz
Control Method	CC/CV Control Method
Luminous Flux	1840lm
Luminous Efficacy	104lm/w
CRI(Color Rendering)	
LED Source	Bridgelux COB (Option)
Flicker Free	Less than 1%
Certification	КС
Track type	4-wire 3-phase track
Finish Color	Black & White

Communication	Bluetooth Mesh 5.x	
Communication	RF 315Mhz	
Pan	350°	
Tilt		
ССТ	2700K~6500K	
Beam angle(Zoom)	20°~65°	
Dimming	5%~100%	
Арр	Android	
Max Connections	32,000	
Control Range	Up to 30m	
Scene Settings	Supported	
Lens Material	Silicon, PMMA(Option)	
Accessories	Remote controller	

Smart Lighting Solution DMuseum





Minimal Track Light for Flexible Installation

The DL-09 is a 9W track spotlight equipped with Bluetooth and RF-based remote control.Its minimal form factor makes it ideal for ceilings, shelves, walls, and other compact exhibition environments. With fully adjustable CCT (2700K-6500K), pan (350°), tilt (90°), zoom beam angle (20°-65°), and dimming, this model enables precise lighting control that aligns with the user's intent—perfect for curated lighting effects in any space.



Dimensions



Input Voltage	DC 48V
Power Consumption	9W
Output Voltage	DC 48V
Frequency	50/60Hz
Control Method	CC/CV Control Method
Luminous Flux	979lm
Luminous Efficacy	87lm/W
CRI(Color Rendering)	Ra>94
LED Source	Bridgelux COB (Option)
Flicker Free	Less than 1%
Certification	КС
Track type	DC Track
Finish Color	Black & White

Communication	Bluetooth Mesh 5.x	
Communication	RF 315Mhz	
Pan	350°	
Tilt	90°	
ССТ	2700K~6500K	
Beam angle(Zoom)	20°~65°	
Dimming	5%~100%	
Арр	Android	
Max Connections	32,000	
Control Range	Up to 30m	
Scene Settings	Supported	
Lens Material	Silicon, PMMA(Option)	
Accessories	Remote controller	

Smart Lighting Solution DMuseum





35W CRI 2700K~ 🔊 🖉 🦉 CE

Custom Downlight for Enhanced Exhibition Value

The DL-35 is a 35W motorized smart downlight with Bluetooth and RF control. With 340° pan, ±45° tilt, and adjustable CCT (2700K-6500K), it supports precise lighting from ceilings, walls, and floors. Dimming and zoom functions enhance focus and mood, while its clean design blends naturally into exhibition spaces—maximizing visual impact.



Dimensions







Input Voltage	AC 100-240V
Power Consumption	35W
Output Voltage	DC 48V
Frequency	50/60Hz
Control Method	CC/CV Control Method
Luminous Flux	2200lm
Luminous Efficacy	92lm/w
CRI(Color Rendering)	Ra>90
LED Source	Bridgelux COB (Option)
Flicker Free	Less than 1%
Certification	KC, CE
Finish Color	Black & White

RF 315Mhz
340°
90°
2700K~6500K
10°, 23°, 36°
5%~100%
Android
32,000
Up to 30m
Supported
Silicon, PMMA(Option)
Remote controller

4-wire 3-phase Track system





- A. High-strength aluminum alloy housing for excellent durability and thermal conductivity
- **B.** Flame-retardant PVC strips ensure superior insulation and electrical safety
- C. High-conductivity copper strips for reliable power transmission
- ${\bf D}.$ Dual-color finish (White, Black) for seamless spatial integration

Size

DM-401N Series (Surface-mounted)



DM-401W Series (Recessed)



4-wire 3-phase Track system

DMUSEUM Inc.'s track system features three independent circuit channels that evenly distribute electrical load and enhance power supply stability. It supports both surface-mounted and recessed installations without the need for a bridge frame. The modular design allows multiple lighting fixtures to be flexibly arranged on a single rail, making it suitable for exhibition environments as well as large-scale commercial spaces.



Circuit Connection Diagram





3-PHASE, 3-CIRCUIT: 230/400V AC, 16A, 3x3.7KW







Туре	Model	Track length	Material	Package	Product Color
	DM-401N10	1000mm	Aluminum extrusion	1/12	White, Black, Gray
Curfe en mounted	DM-401N15	1500mm	Aluminum extrusion	1/12	White, Black, Gray
Surface-mounted	DM-401N20	2000mm	Aluminum extrusion	1/12	White, Black, Gray
	DM-401N30	3000mm	Aluminum extrusion	1/12	White, Black, Gray
	DM-401W10	1000mm	Aluminum extrusion	1/12	White, Black, Gray
Deserved	DM-401W15	1500mm	Aluminum extrusion	1/12	White, Black, Gray
Recessed	DM-401W20	2000mm	Aluminum extrusion	1/12	White, Black, Gray
	DM-401W30	3000mm	Aluminum extrusion	1/12	White, Black, Gray

4-wire 3-phase Track system

Track Connectors







7	Model	Material
*	DM-402 L	PC
-	DM-402 R	PC

End Cap



L Connector

14		Model	Material
A HE		DM-404 L	PC
	<u></u>	DM-404 R	PC

X Connector







Mini Jioner



Model	Material
DM-406	PC

Straight Connector



Model	Material
DM-408	PC

Flexible Connector



Model	Material
DM-409	PC

T Connector



Model	Material
DM-407	PC

4-wire 3-phase Track system

Track Installation Guide





Match the adapter tabs with the track grooves.



Insert the side without the locking lever first and push in and lock the lever securely.





Rotate the adapter dial to align with the L1 Chnnel.



Once installed, check the indicator light to confirm power connection.

Technology That Completes the Space

DMUSEUM's smart lighting system uses Bluetooth MESH to reliably control multiple fixtures wirelessly. Users can adjust CCT, dimming, pan, tilt, and power—or set custom lighting schedules from anywhere. Our Android-compatible app and remote controller provide intuitive, real-time control.



Remote Controller Button Guide





How to Use the Remote



Power ON/OFF Press the power button to turn the controller and lighting on or off.



Lighting Search Hold the lighting search button for 3 seconds to automatically detect nearby fixtures.



Zoom Control

Press the Zoom button, then use up/down arrows to adjuset beam angle size. $(20^\circ\!\!\sim\!\!65^\circ)$



Brightness Control

Press the dimming button, then use left/right arrows to adjust brightness. (5%~100%)



CCT Control

Press the CCT button, then use left/right arrow to adjust color temperature. (2700K to 6500K)



Pan/Tilt Adjustment

Press the pan/tilt button, then use up/down or left/right arrows to control lighting direction. (pan : 350°, tilt : 180°)

How to Use the App



Tap "Space Settings" on the home screen after launching the app to create a new space.



In the lighting control screen, tap the [+] icon at the top right to register a new device.



Tap the lighting icon to turn on the device. Press and hold for 2 seconds to open the control panel to adjust dimming, zoom, CCT, pan and tilt.



In the image control screen, tap [+] at the top right. Register or capture a photo and set the image name.



Tap the "Device Mapping" button and drag each registered device onto the corresponding lighting position in the image to align spatially.



Select device for a group or scene, then set the operating time, delay options and save to apply.



Certification & Patent

DMUSEUM Inc. holds multiple patents based on its innovation in smart lighting control systems and lighting technologies. We are continuously engaged in research and development for sustainable advancement. By acquiring certifications that meet industry standards, we ensure the quality of our products and services. With customer trust as our top priority, we are committed to maintaining innovation, technical excellence, and quality control.



Lighting Distribution Control Device Using LCD Panels



Automatic Controlled Lighting Device



Venture Company Certification



Intergrated Communication System and Method



OLED Display Panel with Pattern Matching Feature



DL-20 KC Certification



Smart Exhibition Lighting

System and Method

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특허증

and Method



Minister of Trade, Industry and **Energy Commendation**



Remote Controller KC Certification



ISO 9001, 14001 : 2015



Track System KC Certification

CONTACT US

DMUSEUM Inc.

www.DMuseum.net

Address

Head Office

A-103, Giheung ICT Valley, 58-1, Giheung-ro, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea

Factory

11-2, Jisam-ro 250beon-gil, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea

Contact

Tel.+82-31-548-2830 info@dmuseum.net







www.DMuseum.net

Smart Lighting development Exhibition Design Media Content Production

Address

A-103, Giheung ICT Valley, 58-1, Giheung-ro, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea

Contact

Tel.+82-31-548-2830 info@dmuseum.net