

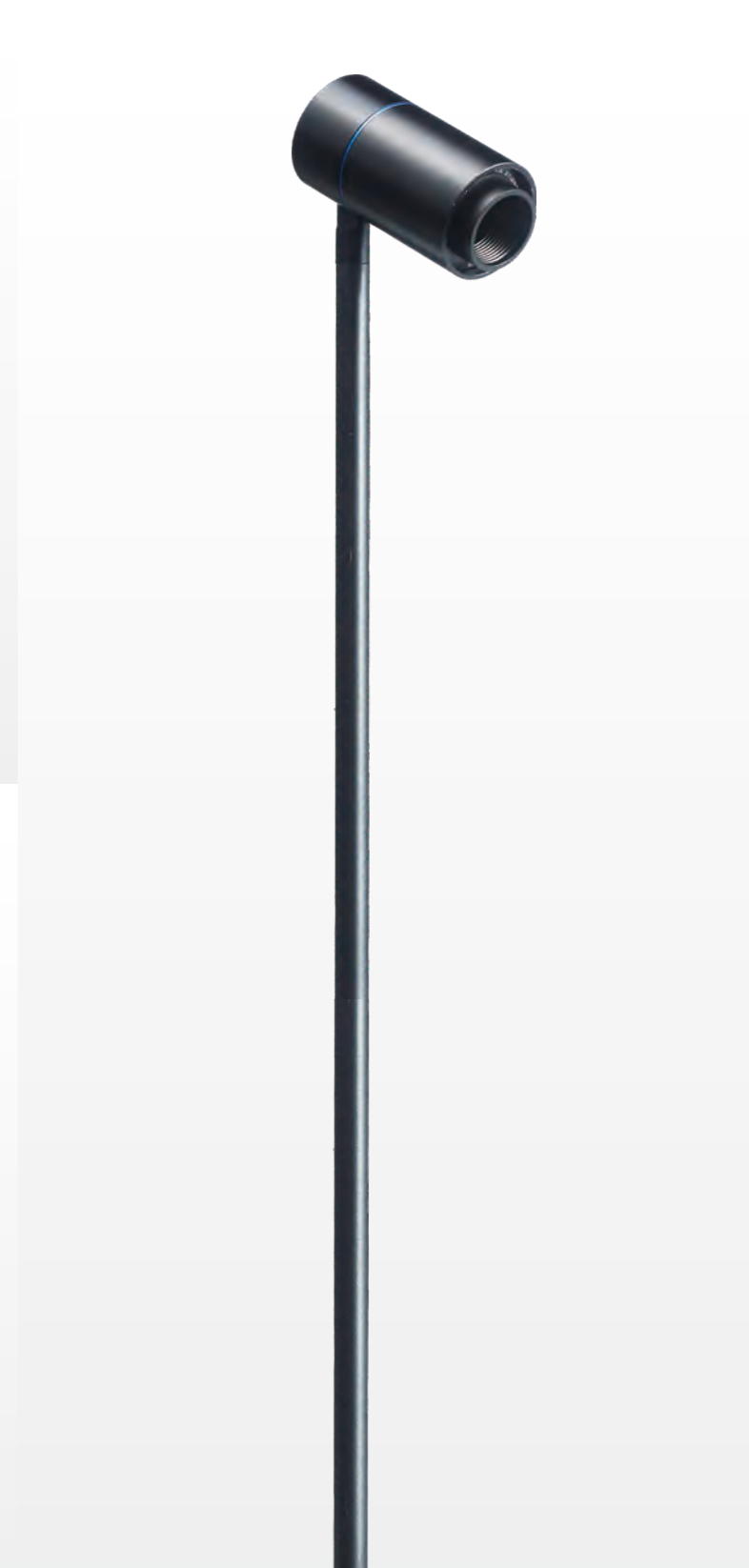
Museum Quality Light.



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Art. No. 039507.202305

Project: The Palace Museum
Location: No. 4 Jingshanqian Street, Dongcheng District, Beijing
Project Year: 2019
Lighting Equipment: Sprite X1/X2



Sprite X1/X2/X3 Sprite in museum cabinets.

Collimated Light Technology
Triod optical system
Higher light efficiency, better lighting effects.

Specifications and
lighting distribution
data

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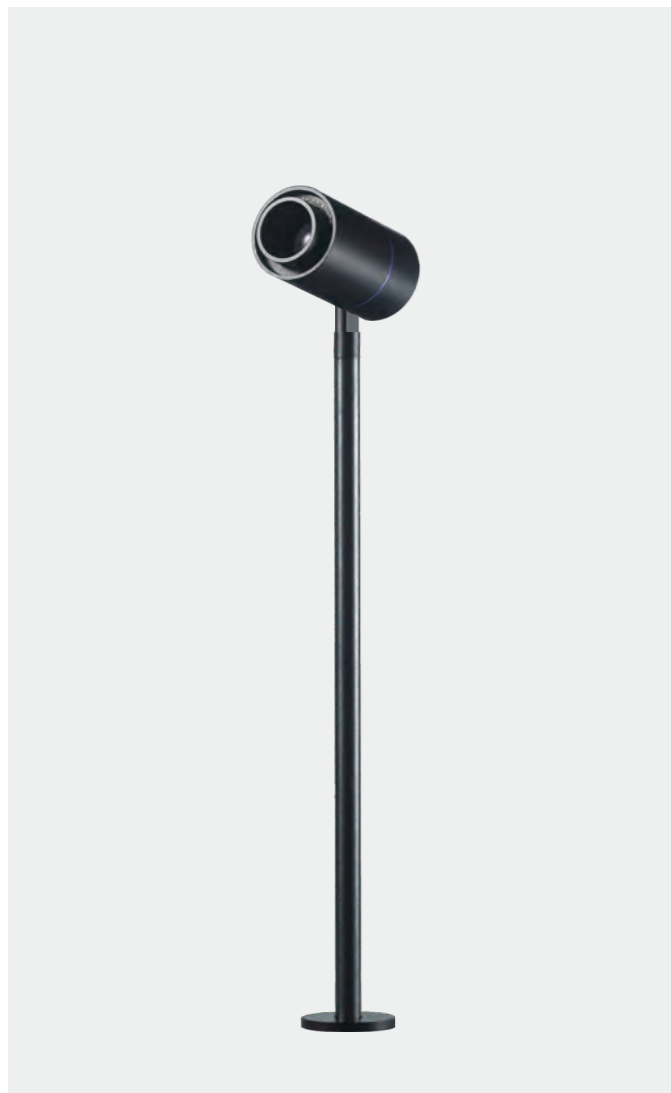
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For detailed product specifications and museum lighting design,
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Sprite X1/X2/X3

Brilliant revivifying of art and history inside the museum cabinets.

Sprite X1/X2/X3 Museum Cabinet Light



Patent-designed Sprite X1/X2/X3 museum cabinet lights, wattage ranging from 1W to 6W, beam angle varying from Direct spot 6°, Spot 16°, Flood 26°, Broad flood 47°, Oval flood 54°x24°, Oval flood 24°x54°, wallwash and creative consecutive beam angle zoom 6°~25°, 8°~25°, 12°~65°, 6°~65° provide flexible solutions for lighting designs for different exhibits and cabinets. Sprite series adopt world's leading high-power and high-efficiency light output LED chip with pure light saturation, equip with advanced intelligent lighting control system, offer stand mounting, surface mounting, recessed mounting and track mounting, satisfy the most strict lighting requirements for the museums and art galleries, and perfectly reveal impressive charm of precious antiques and arts with advanced optical system.

Wattage: 1W, 2W, 6W
 Replaceable LED module: high-power LEDs on metal-core PCB, SDCM with 2 step MacAdam, collimating DAO, Trio, Viva lens, LED life span over 50000 hours.
 Beam angle: Spot 6°, 16°, Flood 26°, 47°, 54°x24°, 24°x54°, Wallwash and zoom 6°~25°, 8°~25°, 12°~65°, 6°~65°
 Color temperature: 3000K, 4000K, optional 2700K, 3500K.
 Color rendering index: CRI 95
 Luminous flux: 95lm~570lm
 SDCM: 2 step MacAdam
 Installation method: stand mounting, surface mounting, recessed mounting and track mounting.
 Housing: machining aluminum alloy, anodized.
 Rotation & tilt: 360° rotation, 135°/90° tilt.
 Adapter: 1-circuit, can adapt to various types of tracks.
 Control mode: Group dimming, with dimmer, Phase-cut dimming, Bluetooth dimming, and etc.
 Brightness control range: 0-100%.
 Interchangeable principal lens (Sprite X3): Spot 16°, Flood 26°, 47°, 54°x24°, 24°x54°, and Wallwash.
 Color: black



High CRI



2 step MacAdam



Triod optical system



Interchangeable principal lens



Multiple light types



No Flicker



360°x90° rotation



360°x135° rotation



Group dimming



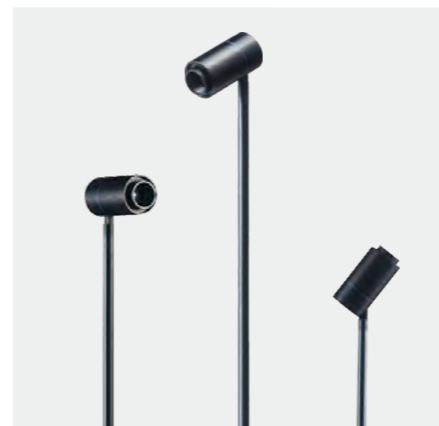
With dimmer



Anti-glare slides (Optional)



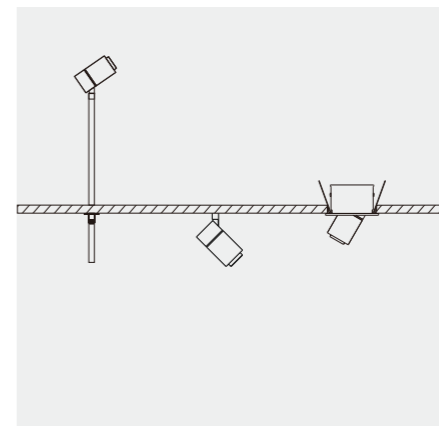
Sprite X1/X2/X3 Museum Cabinet Light



Free height adjusting, 360°x135° rotation

The stand mounting method of Sprite X1 museum cabinet light is specially designed for the three-dimensional lighting of museum independent

exhibition cabinet. The height is free to rise and fall, the vertical rotation of 45°+90°, the horizontal rotation of 360°.



1W with dia. 20mm x 38mm Multi mounting methods: Stand, Surface, Recessed
 Patent designed Sprite X1 cabinet light can provide stand mounting, surface mounting, conveniently satisfy

various exhibition lighting designs and are the professional choice for museums and art museums.



Four direction vertical correction, vertically straight installation

The vertical rectification structural components of Sprite X1 initiated by AKZU ensure that each light is installed vertically straight

inside cabinets by adjusting the height in four directions, and push the exhibition design of the museum cabinet to the extreme.



Sprite X2, 2W, multi beam angles

With the world museum-class high-power and high-efficiency light output LED chip, ultra-high color rendering, precise light control technology, with

dimmer, each design of Sprite X2 is created to focus precious exhibits at close range, especially in the 0.5-2m high exhibition cabinet, so that each highlight and detail of the exhibits are displayed without omission.



Zoom 6°-70°, satisfy flexible exhibition designs

By tuning the front loop, Sprite X2 realizes consecutive beam angle zoom from 6°-65° to fit various sizes of exhibits

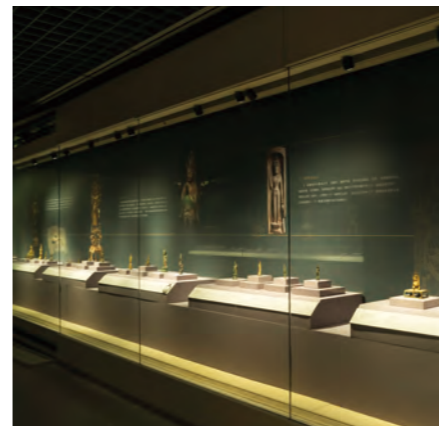
perfectly. The deeply built-in optical structure collects almost all the light beams to concentrate on the exhibits, extremely reduces the spilt light and provides visual comfort.



Recreation of original color, high CRI, freedom from Binning

Sprite cabinet lights adopt world advanced CRI 95 LEDs, the color temperature keeps a high degree of consistency, eliminating the

chromatic aberration to the maximum extent, making the exhibits more pure, saturated and thorough in color, revivifying the brilliance of history and art, and fully improving the display effect.



Sprite X3, especially for museum high cabinets

Despite of its tiny size, Sprite X3 equips with 6 kinds of light types and interchangeable principal lens structure with Neo-magnet technology, can

offer flexible applications for different museum cabinets lighting designs, especially for 1.5-3m museum cabinets.



Light conversion made easy by magnetic

Sprite X3 applies advanced precision optical components, realizes various light types from Direct spot 6° to Oval flood 54°x24° and Wallwash. The

interchangeable principal lens structure with Neo-magnet technology enables easy light type conversion.



Matte surface treatment, reduce diffuse reflection

Sprite cabinet light is treated by fine hard anodic oxidation. The very fine matte surface particles give Sprite a compacted texture, which corresponds

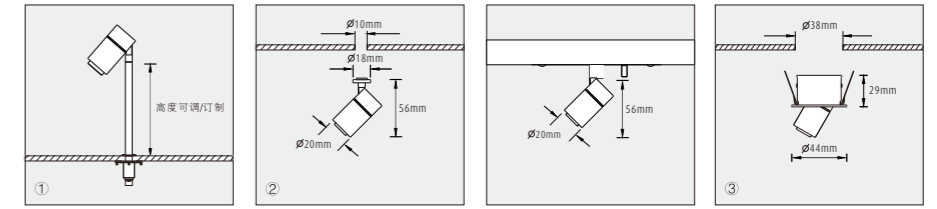
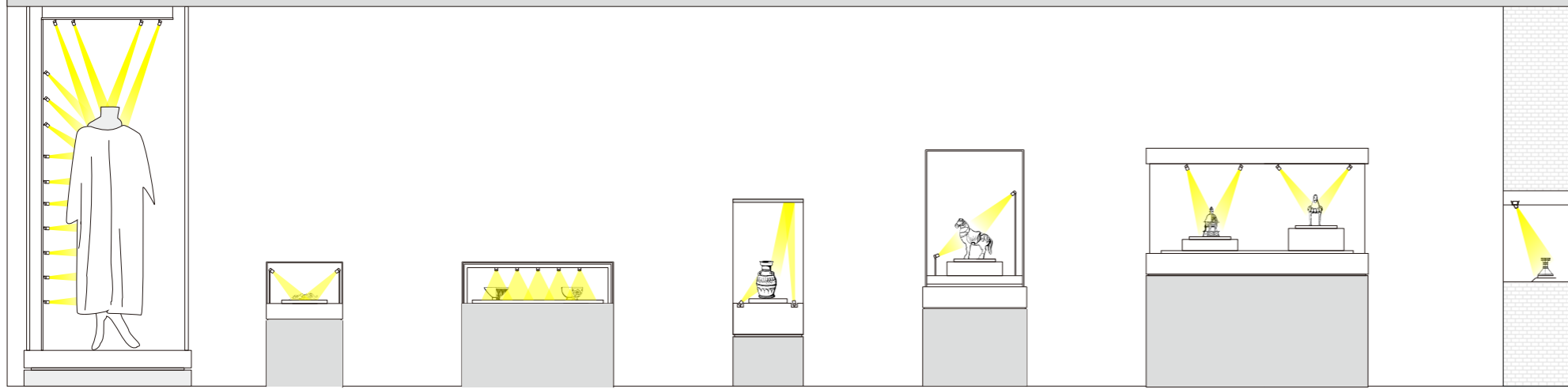
to the modernist museum design style. At the same time, it avoids the diffuse reflection of environmental light, and greatly improves the heat dissipation effect.

Sprite X3 Specifications and lighting distribution data

Cabinet light																																						
Wattage	2W								6W																													
Light type	Direct spot		Narrow spot		Spot		Flood		Oval flood		Wallwash																											
Beam angle	6° Spot D		9° Spot N		16° Spot		26° Flood		47° Broad Flood		54°x24° Flood H/24°x54° Flood V																											
Light type chart																																						
Color temperature ¹	3000K	4000K	3000K	4000K	3000K	4000K	3000K	4000K	3000K	4000K	3000K	4000K	3000K	4000K																								
CRI(Ra/R9)	95/90	95/80	95/90	95/80	95/90	95/80	95/90	95/80	95/90	95/80	95/90	95/80	95/90	95/80																								
Luminous flux ²	170lm	190lm	170lm	190lm	510lm	570lm	510lm	570lm	510lm	570lm	510lm	570lm	510lm	570lm																								
Lighting distribution data ³																																						
	H(m)	D(m)	E(lx)	H(m)	D(m)	E(lx)	H(m)	D(m)	E(lx)	H(m)	D(m)	E(lx)	H(m)	D(m)	E(lx)	H(m)	D(m)	E(lx)	H(m)	D(m)	E(lx)	H(m)	D(m)	E(lx)	H(m)	D(m)	E(lx)											
	1.0	0.10	7503	1.0	0.11	8379	1.0	0.16	2416	1.0	0.16	2700	1.0	0.28	3511	1.0	0.28	3924	1.0	0.46	1819	1.0	0.46	2029	1.0	0.91	512	1.0	0.91	611	C0	C90	C0	C90				
	1.5	0.16	3335	1.5	0.16	3724	1.5	0.24	1074	1.5	0.24	1200	1.5	0.42	1560	1.5	0.42	1744	1.5	0.69	808	1.5	0.69	902	1.5	1.35	227	1.5	1.35	271	1.0	0.98	0.43	1014	1.0	0.98	0.43	1135
	2.0	0.21	1876	2.0	0.22	2095	2.0	0.32	604	2.0	0.32	675	2.0	0.56	878	2.0	0.56	981	2.0	0.92	455	2.0	0.92	507	2.0	1.81	137	2.0	1.81	152	2.0	1.95	0.85	253	2.0	1.95	0.85	284
2.5	0.26	1201	2.5	0.27	1341	2.5	0.40	387	2.5	0.40	432	2.5	0.70	562	2.5	0.70	628	2.5	1.15	291	2.5	1.15	325	2.5	2.27	81	2.5	2.27	97	2.5	2.44	1.06	162	2.5	2.44	1.06	182	
3.0	0.31	834	3.0	0.32	931	3.0	0.48	268	3.0	0.48	300	3.0	0.84	390	3.0	0.84	436	3.0	1.39	202	3.0	1.39	225	3.0	2.72	61	3.0	2.72	67	3.0	2.93	1.28	113	3.0	2.93	1.28	126	
Interchangeable principal lens	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓												
Control mode ⁴																																						
Group dimming	✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓													
With dimmer		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓												
Installation method ⁵																																						
Surface mounting	●		●		●		●		●		●		●		●		●		●		●		●		●													
Track mounting	●		●		●		●		●		●		●		●		●		●		●		●		●													
Recessed mounting	●		●		●		●		●		●		●		●		●		●		●		●		●													
Insulation class	Class III												Class III																									
Protection degree	IP20												IP20																									
Voltage	9V/12V												9V/12V																									
Rotation & tilt	360°x90°												360°x90°																									
Recess depth	≥100mm												≥100mm																									
Ceiling thickness	1-30mm												1-30mm																									
Surface mounting cut-out	φ 13mm												φ 13mm																									
Recessed mounting cut-out	φ 92mm												φ 92mm																									
Dimension	φ 64mm x 64mm (light head)												φ 64mm x 64mm (light head)																									
Weight	0.23Kg												0.23Kg																									
Package dimension	139mm x 92mm x 87mm												139mm x 92mm x 87mm																									
Article code																																						
Black	813001	813004	813051	813054	813233	813236	813283	813286	813025	813028	813075	813078	813037	813040	813087	813090	813049	813050	813099	813100	813201	813202	813205	813206	813203	813204	813207	813208										
Note	<p>1. Besides the standard 3000K, 4000K, other specification is also optional, like 2700K, 3500K, etc.</p> <p>2. The listed luminous flux data is standard specification, higher light effect product can be customized upon request.</p> <p>3. All data, images, and specifications are typical and for reference only, and may be changed due to product improvement without prior notice.</p> <p>4. Sprite X3 is equipped with replaceable principal lens component. Light type conversion can be realized among 6°, 9°, 16°, 29°, 47°, 55°x19° and Wallwash;</p> <p>5. Input voltage is 3V for control mode of group dimming and 12V for with dimmer. Phase-cut dimming, bluetooth dimming are customized.</p> <p>6. Optional surface mounting, recessed mounting, track mounting, depending on the actual project construction drawings.</p> <p>7. For more information, please call 400-687-2598 or visit us at www.akzu.com.</p>																																					

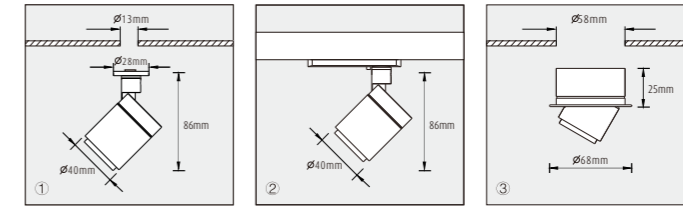
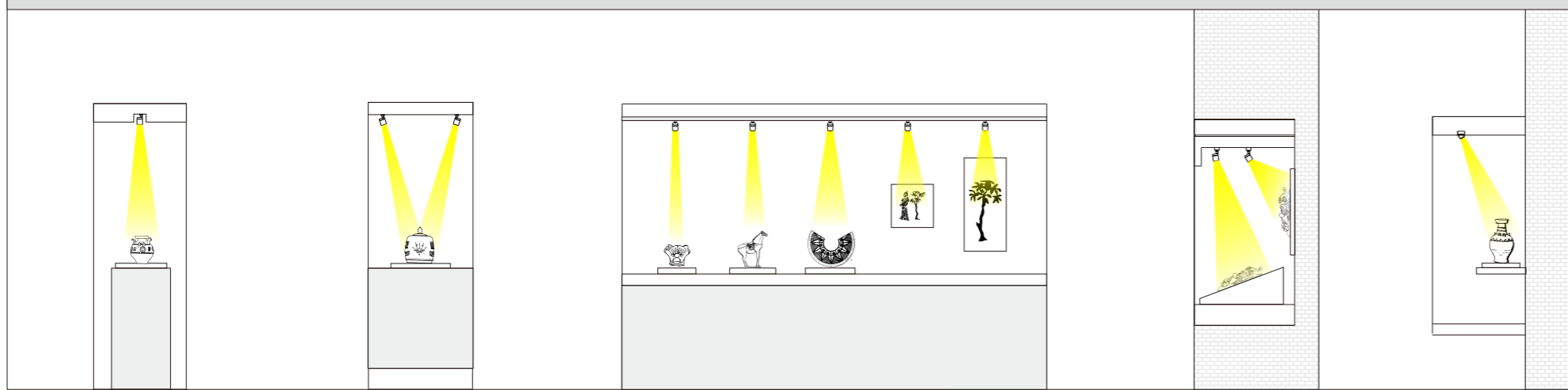
Sprite X1/X2/X3 Museum Cabinet Light

Sprite X1 Installation method



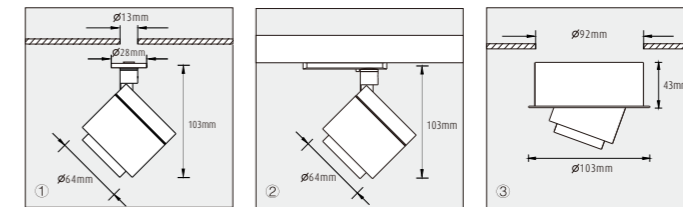
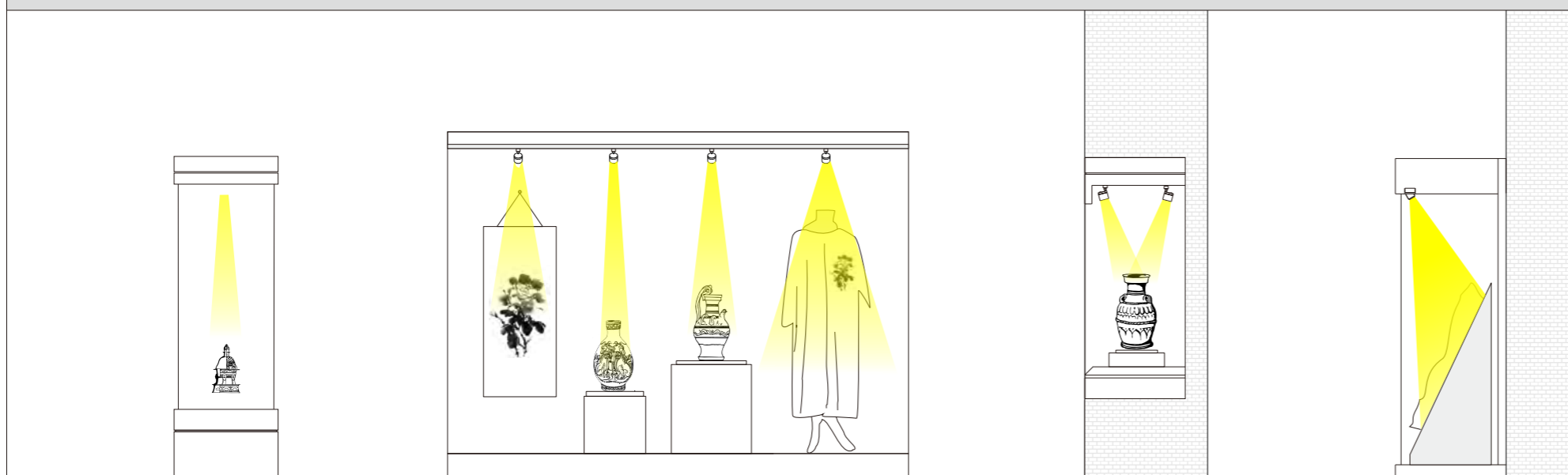
① Stand mounting ② Surface mounting ③ Track mounting ④ Recessed mounting

Sprite X2 Installation method



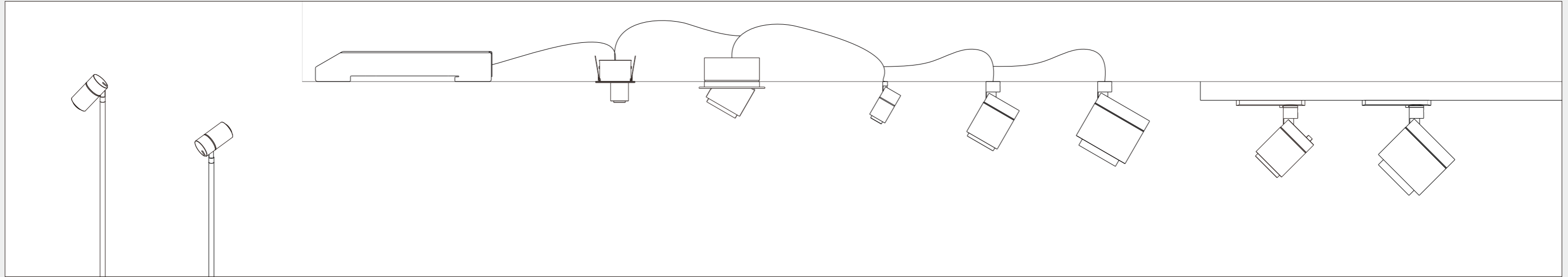
① Surface mounting ② Track mounting ③ Recessed mounting

Sprite X3 Installation method



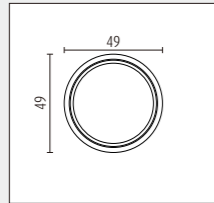
① Surface mounting ② Track mounting ③ Recessed mounting

Sprite X1/X2/X3 Museum Cabinet Light



Sprite X3 cabinet light accessories

Sprite X3 cabinet light accessories



Spot D
107043.001 Black

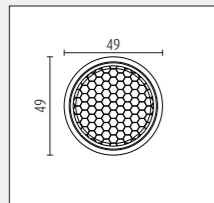
Spot N
107043.002 Black

Spot
107043.003 Black

Flood
107043.004 Black

Flood O
107043.006 Black

Wallwash
107043.007 Black



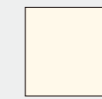
Anti-glare slides
181007.002 Black

Sprite X3 product customization

Color temperature



2700K
CRI 95



3500K
CRI 95

Higher lighting efficiency



3000K



4000K

Control mode



Phase-cut
dimming



Bluetooth
dimming

Color



Customized color (Pantone color number)