



Tracron M4

Essential professional tools for museum lighting.

Specifications and
lighting distribution
data

akzu.com

akzu

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



Tracron M4 Quick mode for museum lighting planning
A perfect kit for every curator: One kind of appearance, three kinds of wattage, eight kinds of light types, anti-glare slides, barn doors, filters, compacted constant torsion hinge bracket.



Tracron M4 museum tracklight, highly integrated, focuses on the needs of quick lighting planning for exhibition space under 4 meters. Consistent with AKZU's patented interchangeable principal lens component, it achieves "one lamp for multi-purpose", one appearance, four kinds of wattages, eight light types, anti-glare slides, barn doors, filters, compacted constant torsion hinge bracket, which provides a more flexible, convenient and economical choice for the museum lighting. Solid design, integrated with contemporary style of architectural space, Tracron M4 is an efficient tool for museums and art galleries.

Wattage: 12W, 14W, 20W, 28W
 LED module: high-power LEDs, collimating DAO, Viva lens, LED life span over 50000 hours.
 Beam angle: Spot 6°, 9°, 15°/16°, Flood 26°, 47°, 54°x24°, 24°x54° and Wallwash.
 Color temperature: 3000K, 3500K, 4000K, optional 2700K, 5000K, etc.
 Color rendering index: CRI 95
 Luminous flux: 820lm-2280lm
 SDCM: 2 step MacAdam
 Rotation & tilt: 0°-90° tilt, bracket rotatable through 360°.
 Adapter: 3-circuit.
 Control mode: DALI, with dimmer, Phase-cut dimming, Bluetooth dimming, etc.
 Brightness control range: 0-100%.
 Interchangeable principal lens: Between Direct spot 6° and Narrow spot 9°, or among Spot 15°/16°, Flood 26°, Flood 47°, 54°x24°, 24°x54° and Wallwash.
 Color: white, black.
 Housing and bracket: cast aluminum, powder-coated, new PC + glass fiber front cover.



High CRI



2 step MacAdam



Triod optical system



Interchangeable principal lens



Multiple light types



No Flicker



Different housing colors



360°x90° rotation



DALI



With dimmer



Anti-glare slides (Optional)



Barn doors (Optional)



Filters (Optional)



Highly integrated, quick lighting planing
 Tracron M4 museum tracklight, focuses on the needs of quick lighting planning for exhibition space under 4 meters. "One lamp for multi-

purpose", one appearance, four kinds of wattages, eight light types, anti-glare slides, barn doors, filters, which provides a more flexible, convenient and economical choice for the museum lighting.



One light, multiple purposes, easy light type conversion
 When the exhibition is reopened, it always brings a lot of work, especially when the current lighting design is not suitable for the

new exhibition. Tracron M4 continues to equip with the groundbreaking design of principal lens component, as well as clear light type angle marking, enables free and perfect conversion of flexible light types.



Reliable design, reliable application
 AKZU always pursues solid and reliable design. Patented design of compact bracket ensures more stable and durable application and frequent

positioning adjustment.



Dimming tuner on the back, operation comfort
 The important change applied on Tracron M4 museum track lights is to position the dimming tuner at the reverse side of the light. This design

reasonably avoids blocking of light by hand, and is in better accordance with human engineering principle.



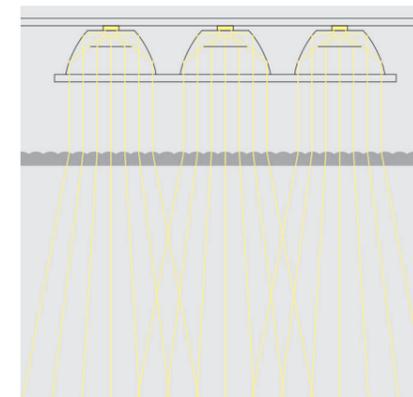
20°, 30°, 60°, 90° position scale, precise lighting
 The precise scale enables the accurate adjustments of the lighting direction, and ensures the high consistency of lighting

directions in the entire space.



Perfect light distribution
 Precisely designed Triod optical system can collimate the LED lights, distribute with diffusion lens, accurately control the light distribution, lessen the spill light, well

distribute the illuminance and smooth the light type edge.



Triod optical system
 The creative and optimized Triod optical system makes a breakthrough on traditional mode for LED light distribution, making full use of every beam of LED, effectively reduce

the dispersive light and realize the most optimized lighting effect with the least luminaires.



Precise DAO lens
 AKZU's patented DAO lens, equaling to the precise optical lens, can collect almost all of the LED light, accurately collimate the beams to parallel directions, and significantly

increase the light utilization rate and the possibility to control the light to various beam angles.



DALI lighting system
 Digital Addressable Lighting Interface uses open system of DALI-protocol-based technology. By applying DALI control technology, Tracron M4 track lights realize intelligent control

on the brightness, condition monitoring and different scene mode setting.

Tracron M4 Specifications and lighting distribution data



Wattage	12W											
Model	T12D											
Light type	Direct spot						Narrow spot					
Beam angle	6° Spot D						9° Spot N					



Color temperature ¹	3000K		3500K		4000K		3000K		3500K		4000K	
CRl(Ra/R9)	95/90		95/85		95/80		95/90		95/85		95/80	
Luminous flux ²	820lm		860lm		920lm		820lm		860lm		920lm	

Lighting distribution data ³												
	H(m)	D(m)	E(lx)									
	1	0.10	36193	1	0.10	37958	1	0.10	40606	1	0.16	11655
	2	0.21	9048	2	0.21	9489	2	0.21	10152	2	0.32	2914
	3	0.31	4021	3	0.31	4219	3	0.31	4512	3	0.48	1295
	4	0.42	2262	4	0.42	2372	4	0.42	2538	4	0.64	728
	5	0.52	1448	5	0.52	1518	5	0.52	1624	5	0.80	466

Replaceable principal lens ⁴	✓		✓		✓		✓		✓		✓	
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Control mode ⁵												
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DALI	✓		✓		✓		✓		✓		✓	
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With dimmer	✓		✓		✓		✓		✓		✓	
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Quality												
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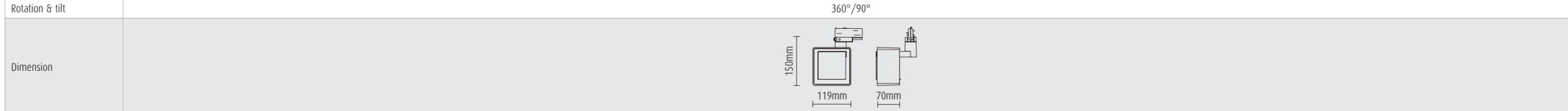
5-year warranty	●		●		●		●		●		●	
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CE/CCC	●		●		●		●		●		●	
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Protection degree	IP20											
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Voltage	220-240V-50/60Hz											
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Rotation & tilt	360°/90°											
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Weight	1.1kg											
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Package dimension	170mm x 145mm x 190mm											
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Article code												
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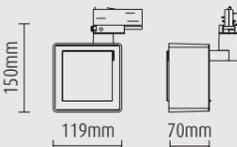
White	627004	627001	627104	627101	627054	627051	627016	627013	627116	627113	627066	627063
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Black	627005	627002	627105	627102	627055	627052	627017	627014	627117	627114	627067	627064
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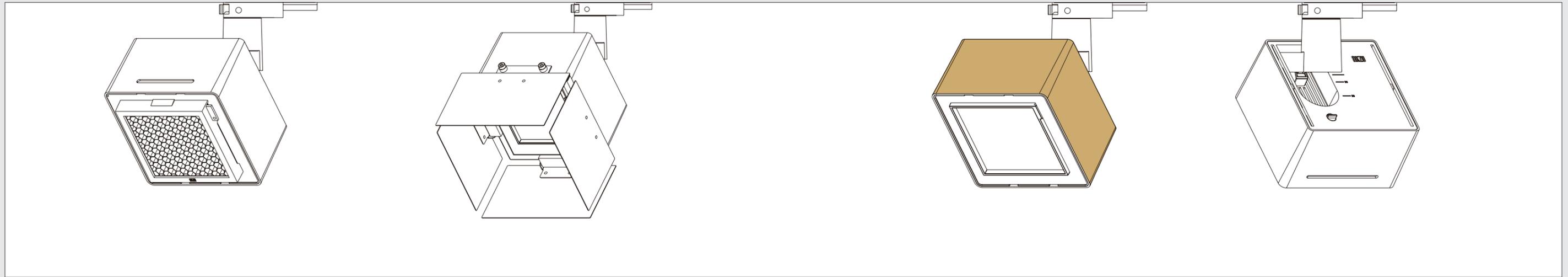
Note

- Besides the standard 3000K, 3500K, 4000K, other specification is also optional, like 2700K, 5000K, and etc.
- The listed luminous flux data is standard specification, higher luminous flux can be customized upon request.
- All data, images, and specifications are typical and for reference only, and may be changed due to product improvement without prior notice.
- Light type conversion can be realized between Direct spot 6° and Narrow spot 9°, or among Spot 15°/16°, Flood 26°, Flood 47°, 54°x24°, 24°x54° and Wallwash.
- Control mode can be customized as phase-cut dimming, bluetooth dimming, and etc.
- For more information, please visit us at www.akzu.com.

Tracron M4 Specifications and lighting distribution data

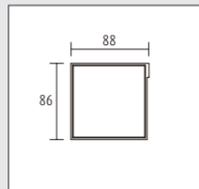
Tracklights																																													
Wattage	20W																																												
Model	T20C																																												
Light type	Spot							Flood					Broad Flood					Oval Flood					Wallwash																						
Beam angle	15° Spot							26° Flood					47° Flood B					54°x 24° Flood H/24°x 54° Flood V					Wallwash																						
Light type chart																																													
Color temperature ¹	3000K			3500K			4000K			3000K			3500K			4000K			3000K			3500K			4000K			3000K			3500K			4000K											
CRI(Ra/R9)	95/90			95/85			95/80			95/90			95/85			95/80			95/90			95/85			95/80			95/90			95/85			95/80											
Luminous flux ²	1530lm			1620lm			1710lm			1530lm			1620lm			1710lm			1530lm			1620lm			1710lm			1530lm			1620lm			1710lm											
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)	H(m)	D(m)	E(lx)	H(m)	D(m)	E(lx)	H(m)	D(m)	E(lx)									
	1	0.26	12573	1	0.26	13313	1	0.26	13976	1	0.46	5456	1	0.46	5777	1	0.46	6098	1	0.91	1641	1	0.91	1738	1	0.91	1820	1	0.98	0.43	3042	1	0.98	0.43	3221	1	0.98	0.43	3404						
	2	0.52	3143	2	0.52	3328	2	0.52	3492	2	0.92	1364	2	0.92	1444	2	0.92	1524	2	1.81	410	2	1.81	434	2	1.81	455	2	1.95	0.85	761	2	1.95	0.85	806	2	1.95	0.85	851						
	3	0.78	1397	3	0.78	1479	3	0.78	1552	3	1.39	606	3	1.39	642	3	1.39	678	3	2.72	182	3	2.72	193	3	2.72	202	3	2.93	1.28	338	3	2.93	1.28	358	3	2.93	1.28	378						
	4	1.04	786	4	1.04	832	4	1.04	873	4	1.85	341	4	1.85	361	4	1.85	381	4	3.63	103	4	3.63	109	4	3.63	114	4	3.90	1.70	190	4	3.90	1.70	201	4	3.90	1.70	213						
5	1.30	503	5	1.30	533	5	1.30	559	5	2.31	218	5	2.31	231	5	2.31	244	5	4.54	66	5	4.54	70	5	4.54	73	5	4.88	2.13	122	5	4.88	2.13	129	5	4.88	2.13	136							
Replaceable principal lens ⁴	✓			✓			✓			✓			✓			✓			✓			✓			✓			✓			✓			✓			✓								
Control mode ⁵																																													
DALI	✓			✓			✓			✓			✓			✓			✓			✓			✓			✓			✓			✓			✓								
With dimmer	✓			✓			✓			✓			✓			✓			✓			✓			✓			✓			✓			✓			✓								
Quality																																													
5-year warranty	●			●			●			●			●			●			●			●			●			●			●			●			●								
CE/CCC	●			●			●			●			●			●			●			●			●			●			●			●			●								
Protection degree	IP20																																												
Voltage	220-240V~50/60Hz																																												
Rotation & tilt	360°/90°																																												
Dimension																																													
Weight	1.1kg																																												
Package dimension	170mm x 145mm x 190mm																																												
Article code																																													
White	627468	627465	627568	627565	627518	627515	627480	627477	627580	627577	627530	627527	627641	627489	627639	627589	627651	627539	627645	627643	627203	627201	627655	627653	627649	627647	627207	627205	627659	627657															
Black	627469	627466	627569	627566	627519	627516	627481	627478	627581	627578	627531	627528	627642	627490	627640	627590	627652	627540	627646	627644	627204	627202	627656	627654	627650	627648	627208	627206	627660	627658															
Note	<p>1. Besides the standard 3000K, 3500K, 4000K, other specification is also optional, like 2700K, 5000K, and etc.</p> <p>2. The listed luminous flux data is standard specification, higher luminous flux 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. Light type conversion can be realized between Direct spot 6° and Narrow spot 9°, or among Spot 15°/16°, Flood 26°, Flood 47°, 54°x24°, 24°x54° and Wallwash.</p> <p>5. Control mode can be customized as phase-cut dimming, bluetooth dimming, and etc.</p> <p>6. For more information, please visit us at www.akzu.com.</p>																																												

Tracron M4 Museum Tracklight



Tracron M4 tracklights accessories

Tracron M4 tracklights accessories

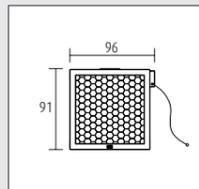


Spot D
107026.101 White
107026.201 Black

Spot N
107026.108 White
107026.208 Black

Spot
107026.102 White
107026.202 Black

Flood
107026.103 White
107026.203 Black



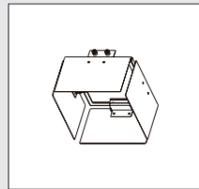
Anti-glare slides
181007.001 White
181007.002 Black

Flood B
107026.104 White
107026.204 Black

Flood H
107026.105 White
107026.205 Black

Flood V
107026.106 White
107026.206 Black

Wallwash
107026.107 White
107026.207 Black



Barn door
181015.001 White
181015.002 Black

Tracron M4 product customization

Color temperature  2700K CRI 95  5000K

Higher lighting efficiency  3000K  3500K  4000K

Control mode  Phase-cut dimming  Bluetooth dimming

Color  Customized color (Pantone color number)

 Customized pattern

For more product information, please visit us at akzu.com.

Museum Quality Light.



Project: Museum of Natural Resources of Qinghai Province
Location: Xining, Qinghai Province, China
Project Year: 2019
Lighting Equipment: Tracron M4

Art. No. 039508.112



Visit akzu.com for the latest product information.
For detailed product specifications and museum lighting design,
please send your kind inquiry to info@akzu.com