

Museum Quality Light.



Art. No. 039504.906

Project: Military Museum of the Chinese People's Revolution
Location: No. 9 Fuxing Road, Haidian District, Beijing, China
Project Year: 2017
Lighting Equipment: Tracron M5, Tracron M6 Plus and Anti-glare slides



Tracron M5

Milestone of interchangeable-lens
museum tracklight.

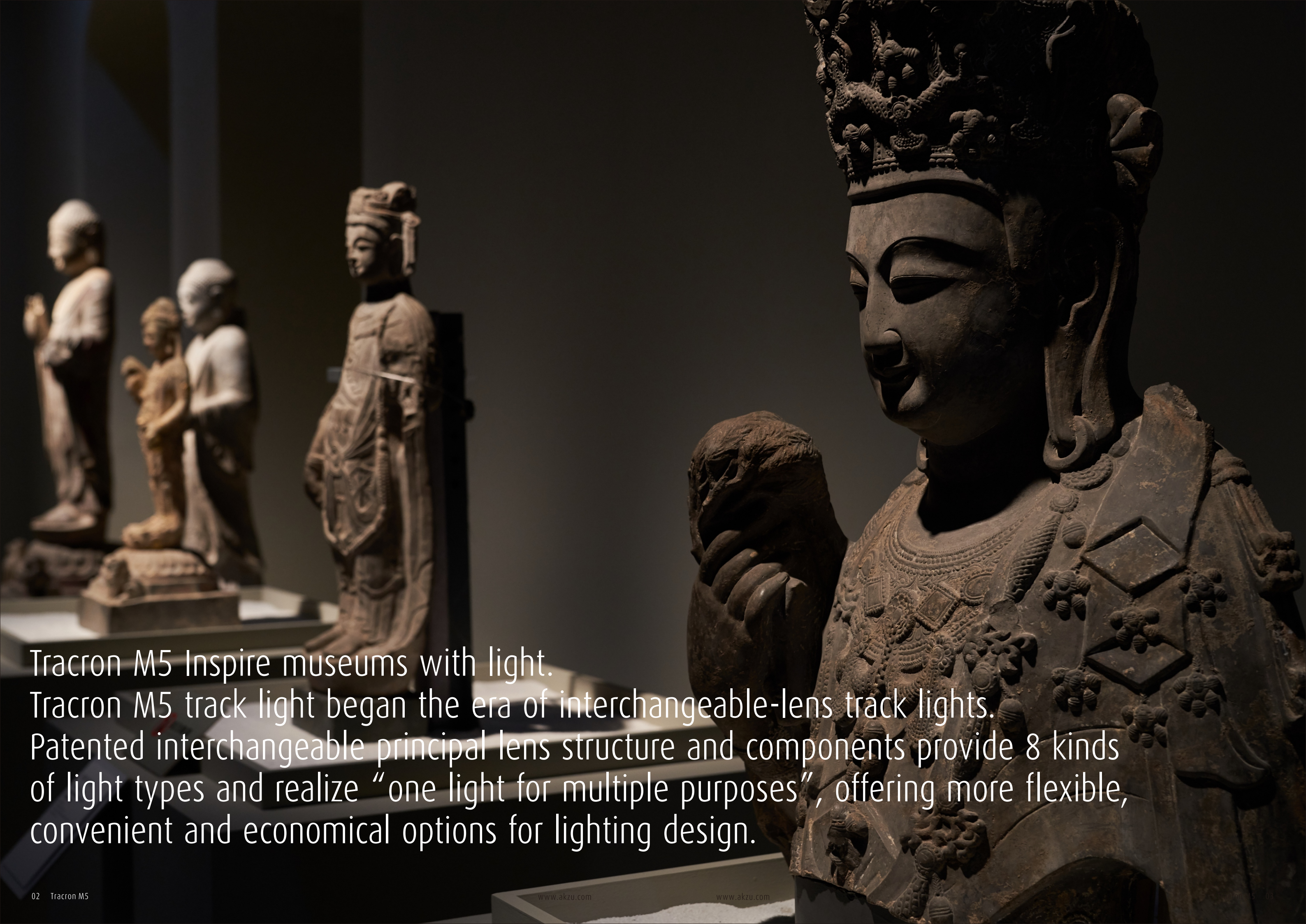
Collimated Light Technology
Triod optical system
Higher lighting efficiency, more lighting effects.

Specifications and
lighting distribution
data
akzu.com

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



Tracron M5 Inspire museums with light.
Tracron M5 track light began the era of interchangeable-lens track lights.
Patented interchangeable principal lens structure and components provide 8 kinds
of light types and realize “one light for multiple purposes”, offering more flexible,
convenient and economical options for lighting design.

Tracron M5 Museum Tracklight



Tracron M5 track lights, with the world's first interchangeable lens design and accurate angle recognition, instantly achieve perfect light type conversion, one light for 8 light types, enrich the lighting mode of museum exhibition design, reduce the lamp reservation by 80%, fully meet the highest requirements of lighting quality for museum lighting and gallery lighting. Using the world's leading LED chips, the color rendering index is up to 95, the light and color are highly consistent; built-in advanced power technology; accurate light distribution, from multi-angle symmetrical light to elliptical light, and wall-washing light can be selected; on-board dimmer, and supporting DALI intelligent dimming, Tracron M5 is the classic choice of lighting for museums and galleries.

Wattage: 12W, 14W, 20W
Beam angle: Spot 6°, 9°, 15°, Flood 26°, 47°, 54°x24°, 24°x54° and Wallwash.
Color temperature: 3000K, 4000K
Luminous flux: 820lm~1710lm
Color: white, black, silver.
Housing and bracket: cast aluminum, powder-coated.
Front cover: new PC + glass fiber
Rotation & tilt: 0°-90° tilt, bracket rotatable through 360°.
Adapter: 3-circuit, 1-circuit.
Control mode: DALI, with dimmer.
Brightness control range: 0-100%.
Interchangeable principal lens: Between Direct spot 6° and Narrow spot 9°, or among Spot 15°, Flood 26°, Flood 47°, 54°x24°, 24°x54° and Wallwash.
Replaceable LED module: high-power LEDs on metal-core PCB, SDCM with 2 step MacAdam, collimating DAO, Viva lens, LED life span over 50000 hours.

You can also choose the following products customization:
Color temperature: 2700K, 3500K, 4500K, etc.
Color: Customized color (Pantone color number)
Control mode: Phase-cut dimming, Bluetooth dimming



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)

Tracron M5 Museum Tracklight



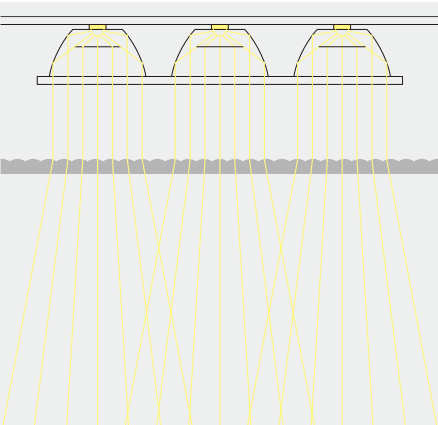
One light for 8 beam angles, Interchangeable lens, performance lighting made simple
The groundbreaking design of interchangeable principal lens component of Tracron M5, concise and

ingenious, light in weight, easy to operate, enables free and prefect conversion of flexible light types from spot, flood, broad flood, oval flood to wallwash instantly, reduce the lamp reserve by 80%.



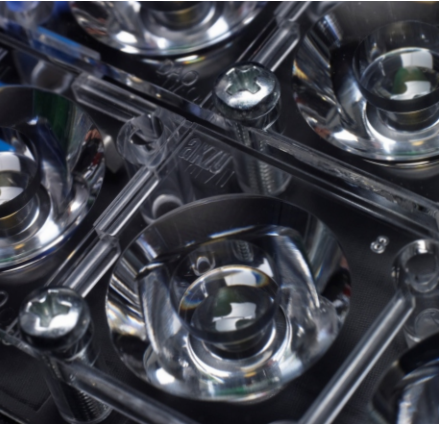
8 light types identification
The light type mark provides clear recognition on different light types, cooperating with interchangeable principal lens structure, realizes easy and convenient light type

change according to different lighting design requirements.



Triod optical system
The creative and optimized Triod optical system makes a breakthrough on traditional mode for LED light distribution, can maximally utilize and control every beam of LED,

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



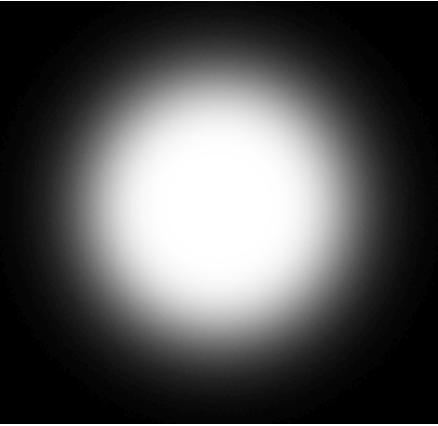
Precise DAO lens
AKZU's patented DAO lens, equaling to the precise optical lens, can collect almost all of the LED light, accurately collimate the beams to parallel directions, and significantly

increase the light utilization rate. Made of super high transmittance material, DAO lens reflect the latest achievements of LED lighting optics research.



High consistency of light color
AKZU applies the world class LED, the correlated color temperature is tightly controlled within 2 step MacAdam, effectively guarantees the high

consistency of the light color, and brings out ultimate accurate and true color of great antiques, heritages and fine arts.



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.



CRI 95 revealing more details
CRI is a quantitative measure of the ability of a light source to reveal the colors of various objects faithfully in comparison with an ideal or natural

light source. CRI 95 helps reproducing the original colors and specialties more faithfully, naturally and vividly, revealing more details of the exhibits and promoting the displaying effect comprehensively.



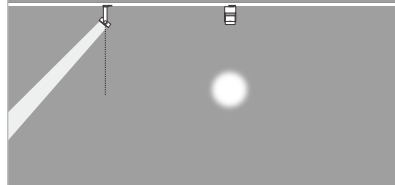
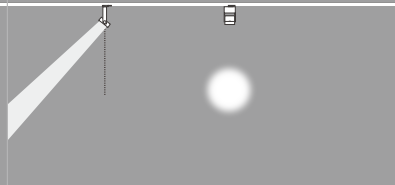
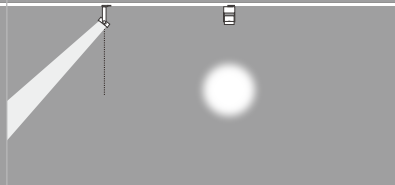
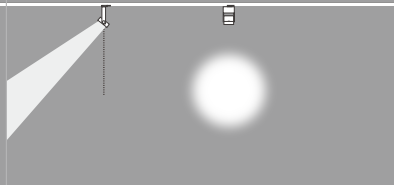
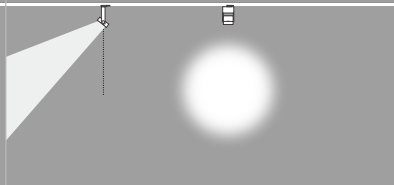
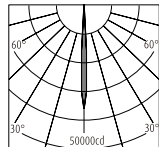
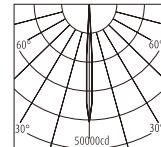
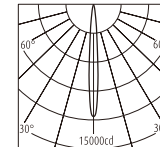
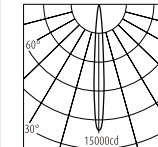
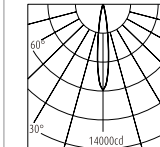
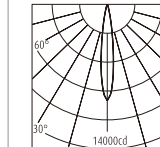
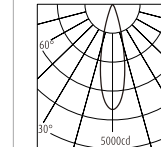
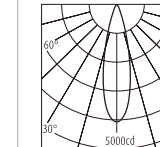
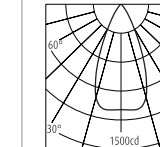
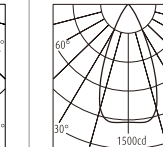
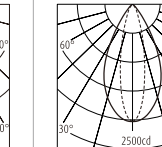
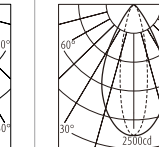
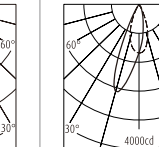
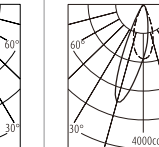
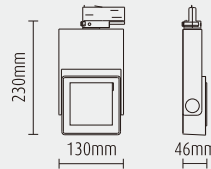
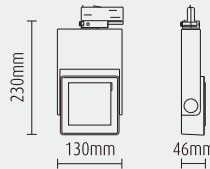
No flicker with smooth dimming
Equipped with built-in dimming function, Tracron M5 track lights realize 0-100% linear and smooth dimming, ensuring flexible control on the brightness

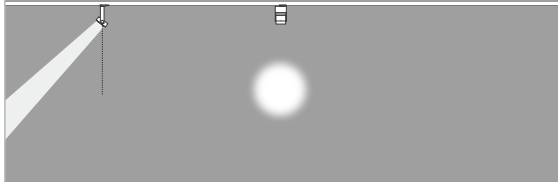
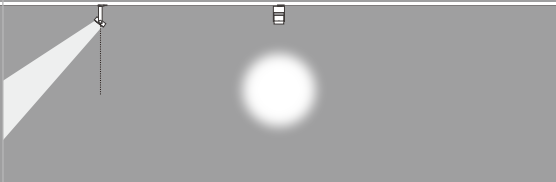
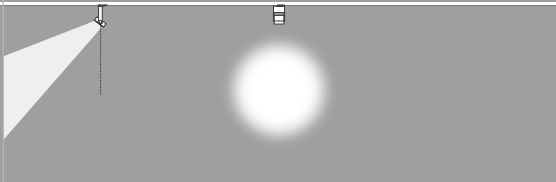
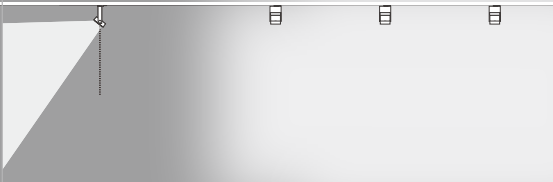
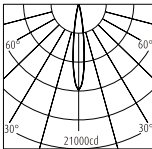
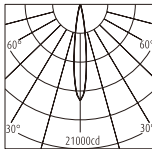
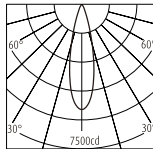
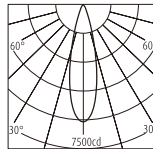
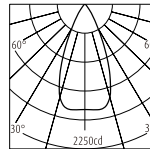
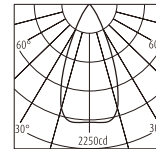
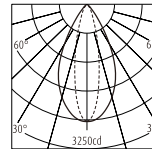
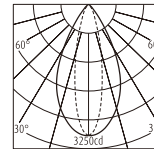
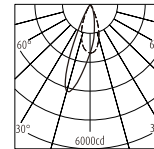
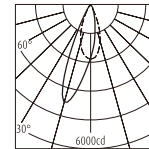
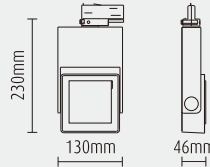
according to different lighting requirements for various exhibition materials and design purposes.



DALI lighting system
Digital Addressable Lighting Interface involves using open system of DALI-protocol-based technology. By applying DALI control technology, Tracron M5 track lights

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

Tracron M5 Specifications and lighting distribution data																														
Tracklights																														
Wattage	12W								14W																					
Model	T12A								T14A																					
Light type	Direct spot				Narrow spot				Spot				Flood				Broad flood				Oval flood				Wallwash					
Beam angle	6° Spot D				9° Spot N				15° Spot				26° Flood				47° Flood B				54°x24° Flood H/24°x54° Flood V				Wallwash					
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	820lm		920lm		820lm		920lm		1020lm		1140lm		1020lm		1140lm		1020lm		1140lm		1020lm		1140lm		1020lm		1140lm			
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)
	1	0.10	36193	1	0.10	40606	1	0.16	11655	1	0.16	13057	1	0.26	8331	1	0.26	9312	1	0.46	3637	1	0.46	4059	1	0.91	1094	1	0.91	1223
	2	0.21	9048	2	0.21	10152	2	0.32	2914	2	0.32	3264	2	0.52	2083	2	0.52	2328	2	0.92	909	2	0.92	1015	2	1.81	274	2	1.81	305
	3	0.31	4021	3	0.31	4512	3	0.48	1295	3	0.48	1451	3	0.78	926	3	0.78	1034	3	1.39	404	3	1.39	451	3	2.72	122	3	2.72	135
	4	0.42	2262	4	0.42	2538	4	0.64	728	4	0.64	816	4	1.04	521	4	1.04	582	4	1.85	227	4	1.85	254	4	3.63	68	4	3.63	76
	5	0.52	1448	5	0.52	1624	5	0.80	466	5	0.80	522	5	1.30	333	5	1.30	372	5	2.31	145	5	2.31	162	5	4.54	44	5	4.54	49
Interchangeable principal lens ⁴	✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓			
Control mode ⁵																														
DALI	✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓	
With dimmer		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓
Quality																														
5-year warranty	●		●		●		●		●		●		●		●		●		●		●		●		●		●		●	
CE/CCC	●		●		●		●		●		●		●		●		●		●		●		●		●		●		●	
Protection degree	IP20								IP20																					
Voltage	220-240V~ 50/60Hz								220-240V~ 50/60Hz																					
Rotation & tilt	360°/90°								360°/90°																					
Dimension																														
Weight	1.10Kg								1.10Kg																					
Package dimension	350mm x 195mm x 95mm								350mm x 195mm x 95mm																					
Article code																														
White	606004	606001	606054	606051	606205	606202	606211	606208	607221	607224	607271	607274	607233	607236	607283	607286	607257	607260	607307	607310	613007	613004	613057	613054	621001	621004	621051	621054		
Black	606005	606002	606055	606052	606206	606203	606212	606209	607222	607225	607272	607275	607234	607237	607284	607287	607258	607261	607308	607311	613008	613005	613058	613055	621002	621005	621052	621055		
silver	606006	606003	606056	606053	606207	606204	606213	606210	607223	607226	607273	607276	607235	607238	607290	607288	607259	607262	607309	607312	613009	613006	613059	613056	621003	621006	621053	621056		
Note	1. Besides the standard 3000K, 4000K, other specification is also optional, like 2700K, 3500K, etc. 2. The listed luminous flux data is standard specification, higher light effect product can be customized upon request. 3. All data, images, and specifications are typical and for reference only, and may be changed due to product improvement without prior notice. 4. Light type conversion can be realized between Direct spot 6° and Narrow spot 9°, or among Spot 15°, Flood 26°, Flood 47°, 54°x24°, 24°x54° and Wallwash. 5. Control mode can be customized as phase-cut dimming and bluetooth dimming. 6. For more information, please call 400-687-2598 or visit us at www.akzu.com .																													

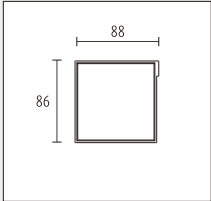
Tracron M5 Specifications and lighting distribution data																					
Tracklights																					
Wattage	20W																				
Model	T20A																				
Light type	Spot				Flood				Broad flood				Oval flood				Wallwash				
Beam angle	15° Spot				26° Flood				47° Flood B				54°x24° Flood H/24°x54° Flood V				Wallwash				
Light type chart																					
Color temperature ¹	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		
Luminous flux ²	1530lm		1710lm		1530lm		1710lm		1530lm		1710lm		1530lm		1710lm		1530lm		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)
	1	0.26	12573	1	0.26	13967	1	0.46	5456	1	0.46	6098	1	0.91	1641	1	0.91	1820			
	2	0.52	3143	2	0.52	3492	2	0.92	1364	2	0.92	1524	2	1.81	410	2	1.81	455			
	3	0.78	1397	3	0.78	1552	3	1.39	606	3	1.39	678	3	2.72	182	3	2.72	202			
	4	1.04	786	4	1.04	873	4	1.85	341	4	1.85	381	4	3.63	103	4	3.63	114			
5	1.30	503	5	1.30	559	5	2.31	218	5	2.31	244	5	4.54	66	5	4.54	73				
Interchangeable 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	1.10Kg																				
Package dimension	350mm x 195mm x 95mm																				
Article code																					
White	606236	606239	606286	606289	606248	606251	606298	606301	606260	606263	606310	606313	612004	612001	612054	612051	620001	620004	620051	620054	
Black	606237	606240	606287	606290	606249	606252	606299	606302	606261	606264	606311	606314	612005	612002	612055	612052	620002	620005	620052	620055	
silver	606238	606241	606288	606291	606250	606253	606300	606303	606262	606265	606312	606315	612006	612003	612056	612053	620003	620006	620053	620056	
Note	1. Besides the standard 3000K, 4000K, other specification is also optional, like 2700K, 3500K, etc. 2. The listed luminous flux data is standard specification, higher light effect product can be customized upon request. 3. All data, images, and specifications are typical and for reference only, and may be changed due to product improvement without prior notice. 4. Six beam angles Spot 15°, Flood 26°, Flood 47°, 54°x24°, 24°x54° and Wallwash can be easily interchanged by just replacing the principal lens manually. 5. Control mode can be customized as phase-cut dimming and bluetooth dimming. 6. For more information, please call 400-687-2598 or visit us at www.akzu.com .																				

Tracron M5 Museum Tracklight



Tracron M5 tracklights accessories

Tracron M5 tracklights accessories

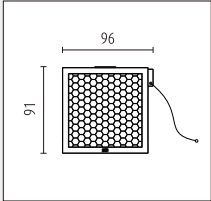


Spot D
107026.101 White
107026.201 Black

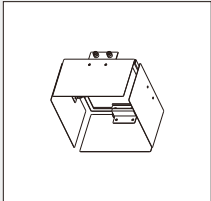
Spot N
107026.108 White
107026.208 Black

Spot
107026.102 White
107026.202 Black

Flood
107026.103 White
107026.203 Black



Anti-glare slides
181007.001 White
181007.002 Black



Barn doors
181015.001 White
181015.002 Black

Tracron M5 product customization

Color temperature

	2700K CRI 95		3500K CRI 95		4500K		Others
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Higher lighting efficiency

	3000K		4000K
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Control mode

	Phase-cut dimming		Bluetooth dimming
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Color

	Customized color (Pantone color number)
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