

BESUN LED LIMITED

2023

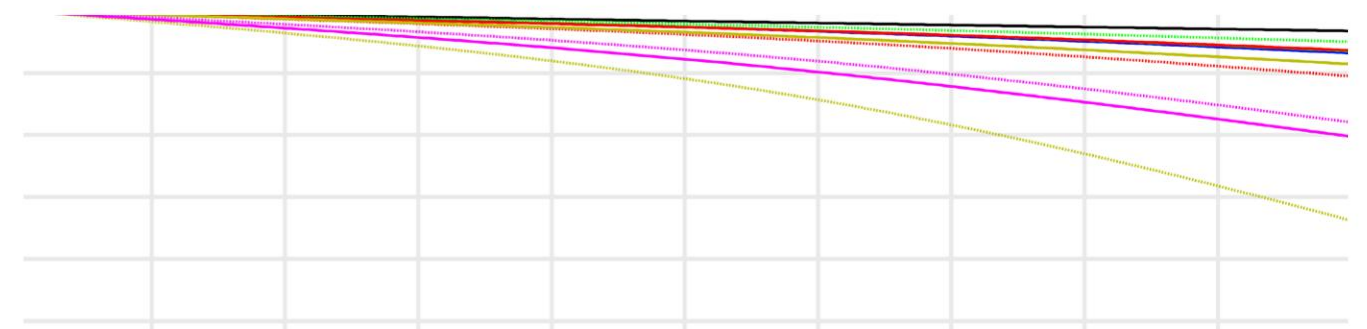
Come from BESUN, go for BEing SUN



BESUN[®] LED LIMITED
深圳市冰晟光电科技有限公司

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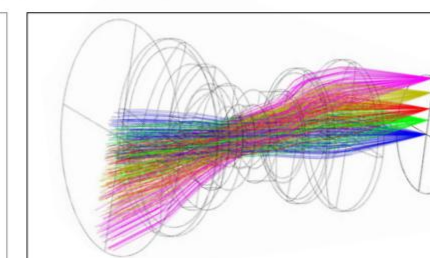
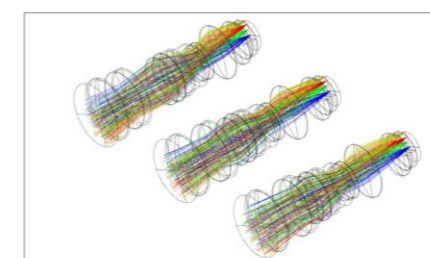


COMPANY PROFILE

As a leader in imaging optical lighting technology, BESUN LED LIMITED. is one of the earliest domestic companies focusing on the field of imaging optical lighting. With the corporate vision of "becoming the world's leading professional product and service provider in the field of imaging lighting", BESUN continues to focus on providing professional precise optical design, optical products, optical accessories, optical control and related services.

Along with the start-up development of China's LED lighting industry, BESUN LED has maintained a leading position in the Chinese market for more than 10 consecutive years. We are one of the companies with the earliest entry into the domestic imaging lighting field, the deepest technical reserves, and the most complete industrial layout. BESUN has formed a complete strategic layout of imaging optical lighting, and has R&D and manufacturing capabilities from core technology research and development such as algorithms, design, and materials to various terminal applications. With rich practical experience, BESUN LED has taken the lead in realizing the application of imaging optical systems in multiple industries or fields, such as imaging lighting optical, machine vision, military industry, lithography machine optical, etc., and has developed a large number of imaging lighting fields for more than ten years. Be the first to witness, promote and lead the development of China's imaging lighting market.

Based on the foundation of years of global development, BESUN LED has formed a global business layout and service capabilities, has allocated global resources with a global perspective, and built domestic and foreign product research and development centers including China, the United States, Russia, Germany, Italy, and South Korea. , production and marketing system, with more than 10 international patents, technology covers design, optical, material science, high-precision machining, software and multi-system combination of hardware, software and various algorithms, products are exported to more than 90 countries around the world and regions, laying a solid foundation for promoting the development of global imaging optical lighting.





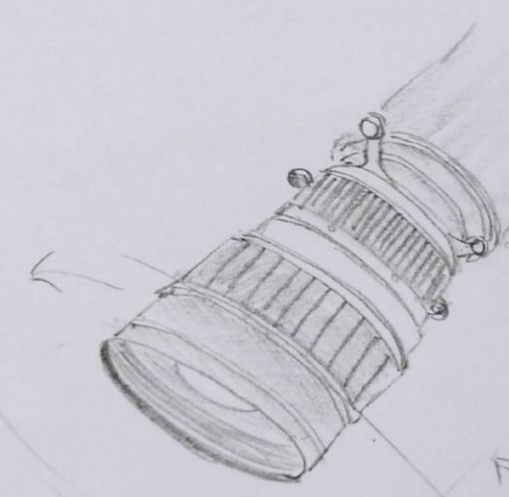
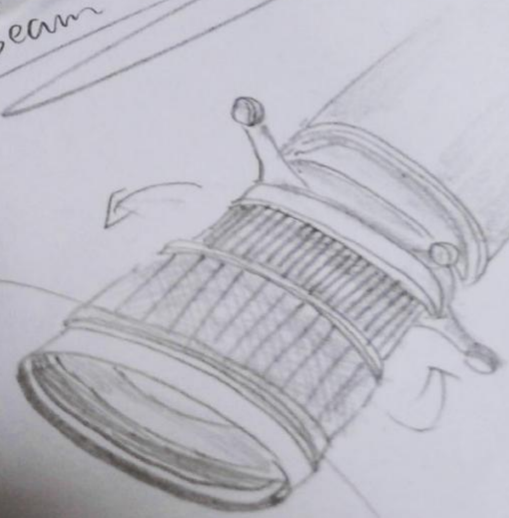
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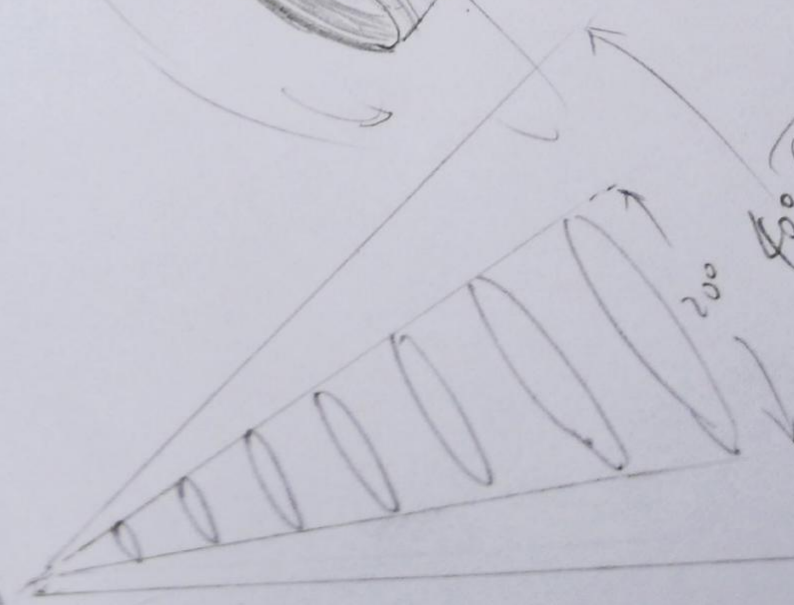
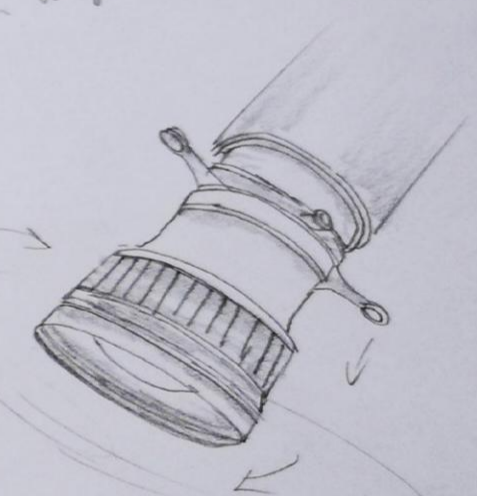


beam angle 45°

70°, 60°



beam angle 20°

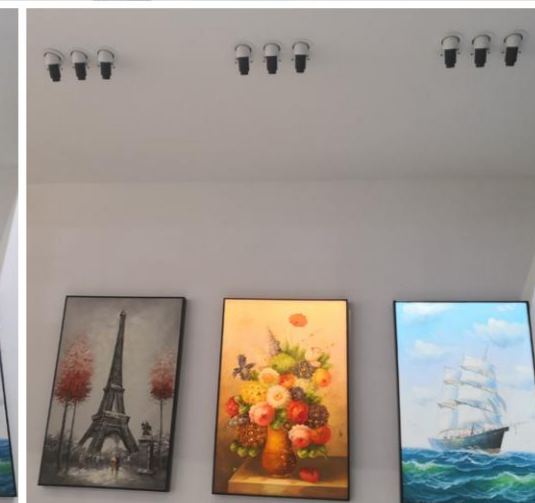
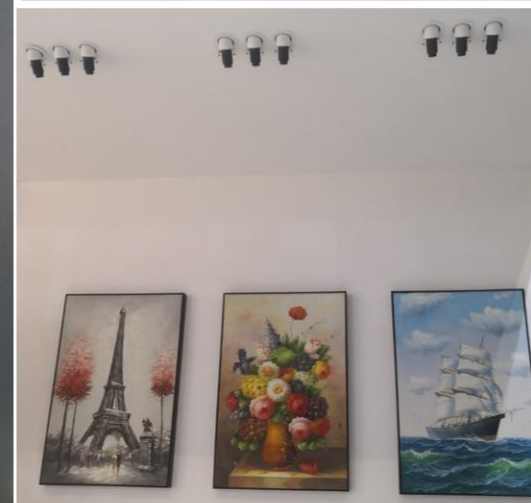


Spot diameter

at 1m: 0.4m - 0.6m
at 2m: 0.8m - 1.2m
at 3m: 1.2m - 2.0m
at 4m: 1.6m
at 5m:
at 6m:
at 7m:



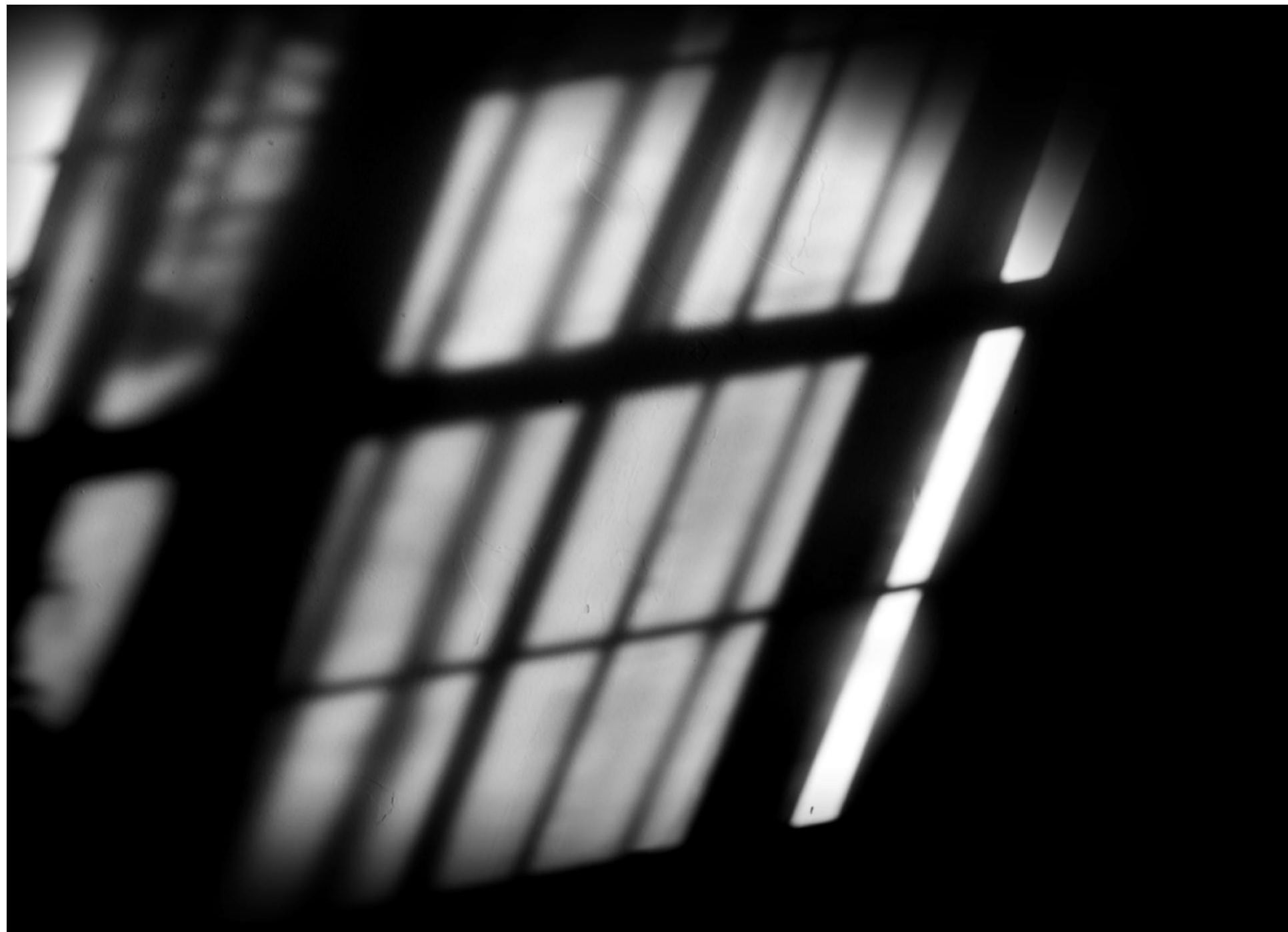
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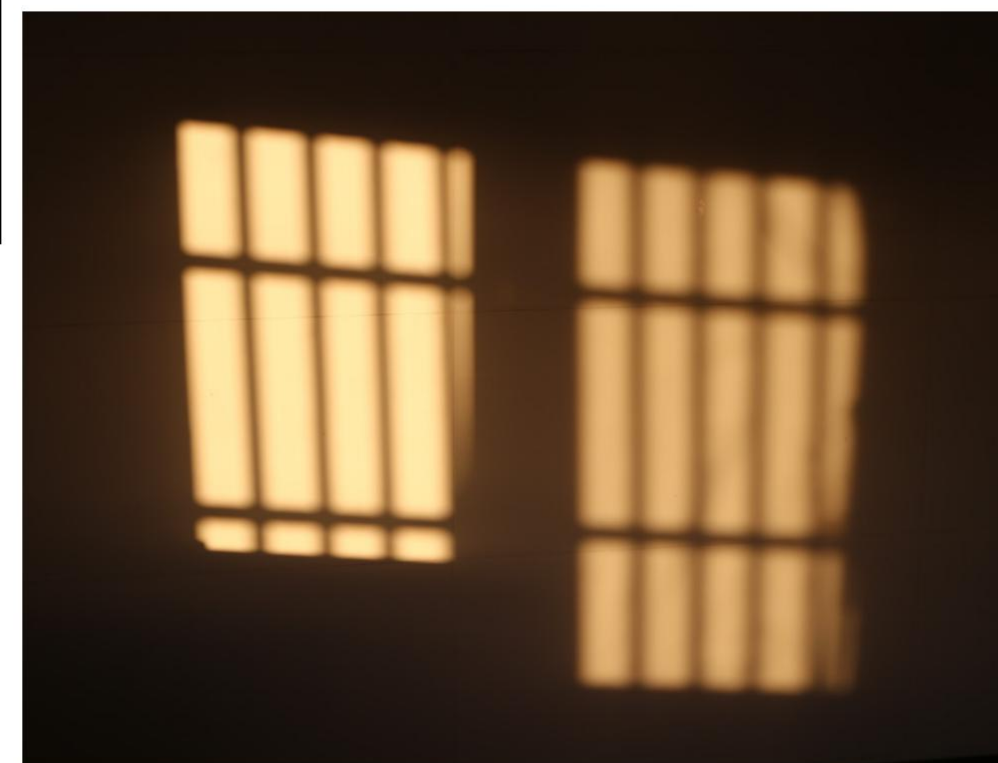








Light and shadow give life more layers.





Shape + projection explanation, the combination of practicality and artistic conception, the collision of picture and text, BESUN provides you with higher-precision text projection.



《星月夜》是后印象派画家梵·高的代表作之一。在这幅画中，梵·高用夸张的手法，生动地描绘了充满运动和变化的星空。夜晚的天空高又远，大星、小星回旋于夜空，金黄的满月形成巨大的漩涡，星云的短线条纠结、盘旋，仿佛让人们看见时光的流逝。暗绿褐色的柏树像巨大的火焰，是星夜狂欢的响应者。天空下，安睡的村庄那么宁静、安详。淡蓝的色调，动感的线条，给人自由的时空感。



Ultra-flexible architecture that allows for rapid customization, easy combination and separation of modules, convenient individual module function debugging, upgrading, and maintenance, as well as multi-person collaboration without interference.



BESUN Full-Scene Distributed Module can quickly respond to customer demands, allowing solution designers to rapidly design and combine various solutions to meet the personalized needs of end-users. Additionally, it can also satisfy the customer's need for small quantities, diversity, and high variability in product customization, truly achieving high performance, easy upgrading, and low maintenance.



Ultra-flexible architecture that allows for rapid customization, easy combination and separation of modules, convenient individual module function debugging, upgrading, and maintenance, as well as multi-person collaboration without interference.



Ultra-flexible architecture that allows for rapid customization, easy combination and separation of modules, convenient individual module function debugging, upgrading, and maintenance, as well as multi-person collaboration without interference.



KA Module-10°



KA Module-15°



KA Module-36°



KA Module-55°



Anti-glare G
(honeycomb)



Anti-glare X



Soft Light Filter S



OVAL Filter S



UV Filter



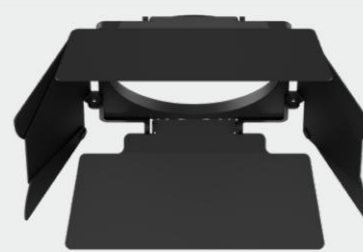
Color Filter



Full Snoot



Half Snoot



Flaps (Barn door)



1



The level 1 optical accessories are unique and can only be installed one at a time. Multiple accessories cannot be installed simultaneously, and at least one accessory must be installed in order for other optical accessories to function properly.

2

The level 2 optical can carry all level 1 optical except imaging, and it is the only level that can be combined with level 3 and level 4 optical. It can also be stacked with level 3 and level 4 optical.

For example: Anti-glare Module G (honeycomb) + UV filter / Anti-glare Module G (honeycomb) + color filter + UV filter / or Anti-glare Module G (honeycomb) + UV filter + 8 Flaps (Barn door)

3

The level 3 optical can independently support all the level 1 optical, the level 2 optical, or 1+3+4 combinations. The level 3 optical can be stacked with other optics to create different effects.

For example, OVAL+ Soft light Module / OVAL+Soft Focus Module+UV Filter / Anti-glare Module G (honeycomb)+UV Filter+8 Flaps (Barn door)

4

Level 4 optical can carry all level 1 optical independently, or carry level 2 optical, or some of the level 3 optical can be in a stacked state.

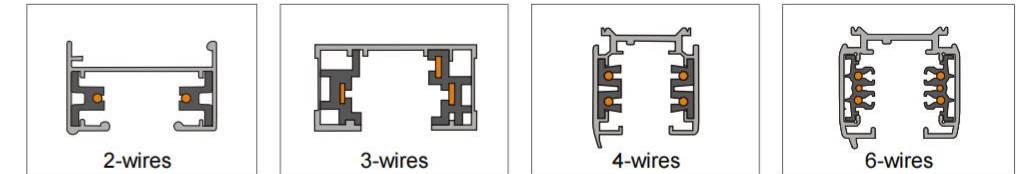
For example, OVAL+Soft light Module + 8 Flaps (Barn door) / Anti-glare Module G (honeycomb) + UV filter + Spotlight Module C (Half Snoot) , and so on.

Here is the installation module of the King of Track Light. In order make this module operate more efficiently, conveniently, and reliably, we have redefined and designed its ceiling-mounted installation module and embedded installation module. The track-mounted installation module will also be fully compatible with other brand tracks, so you don't have to disassemble the existing track system in order to have the superior light quality of BESUN.



Track installation

This module can be adapted to almost all brands of tracks worldwide



BESUN 03 track module is commonly used for 6-wire DALI control or CASAMBI smart control and other control needs



BESUN 05 track module is commonly used for wireless Bluetooth control needs, such as 2.4G graffiti, Zigbee, and other control needs



BESUN 08 track module is commonly used for conventional 0-10V single lamp dimming control needs, or 0-10V+DIP CCT

Embedded&surface-mounted installation

A revolutionary mounting module that can be installed both as embedded and surface-mounted, providing stability and reliability, especially suitable for the installation of medium to heavy-duty lighting fixtures.



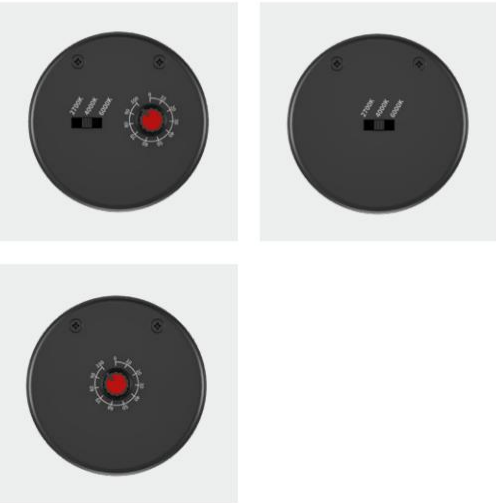
Here is one of the most hardcore parts of the whole King of Track Light module. In order to ensure that nothing is left to chance, we have redefined and redesigned the mechanical performance, optical performance and control performance as well as the safety performance of the module, which complies with zhaga safety standards.

355° Vertical 355° rotation

The new design of vertical 355 degree rotation will realize easy arbitrary angle hovering and locking. arbitrary damping adjustment, and never sag. It effectively saves the installation and commissioning time, and effectively avoids the annoyance of reworking due to the light head moving around and the light spot deviating from the original position. The device is effective under severe conditions such as ground or ceiling vibrations, or high altitude winds.

The module built-in driver control methods are generally the following

- a, Single lamp 0-10V knob dimming module features continuous dimming
- b, DIP select color temperature module
2700K/4000K/6000K
3000K/4000K/5700K
- c, DIP CCT + 0-10V knob dimming



Single lamp control

Please refer to 03,05 module for external driver.

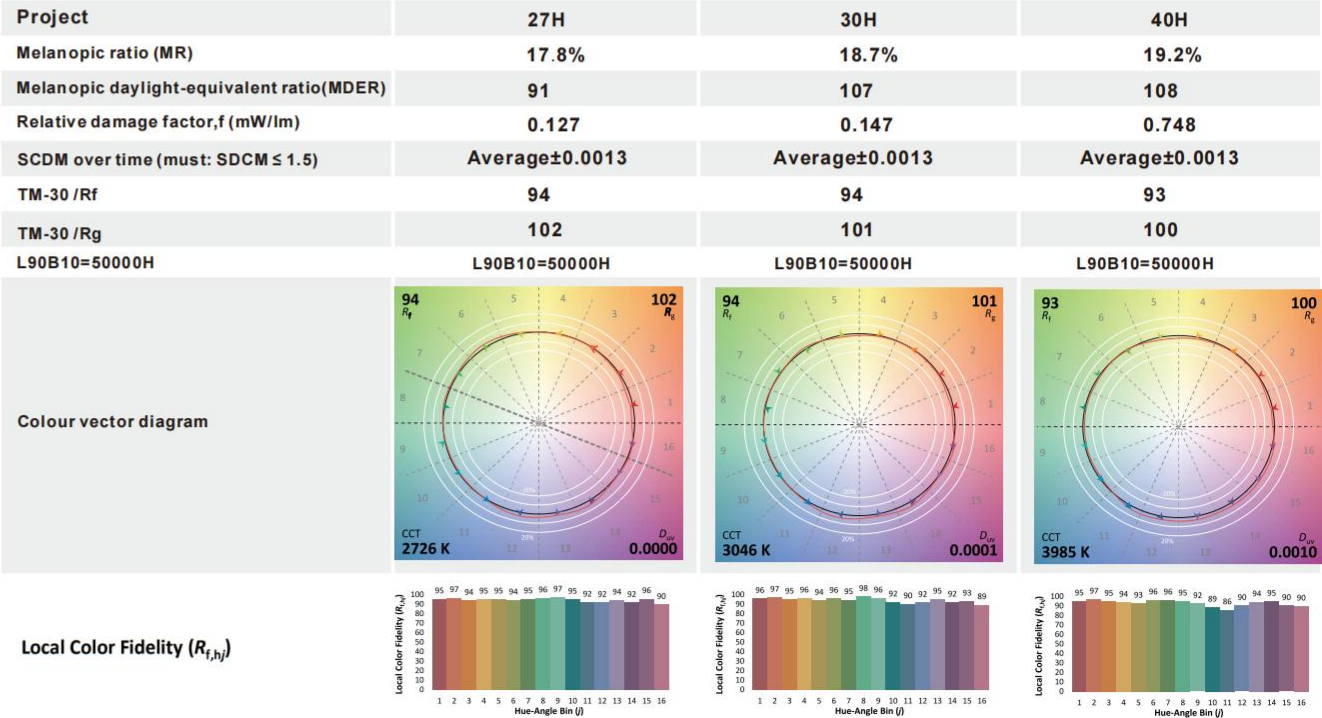
New horizontal 355 ° rotation design, abandoned the brand track adapter with its own plastic rotation damping device, replaced by a better and more reliable and durable mechanical gear damping, will achieve easy horizontal rotation at any angle, any angle locking, any damping adjustment, and never run off. It effectively saves the installation and commissioning time, and effectively avoids the annoyance of reworking due to the light head moving around and the light spot deviating from the original position. The device is effective under severe conditions such as ground or ceiling vibrations, or high altitude winds.

355° Horizontal 355° rotation



Light color part

The color of light is not only inseparable from the high quality optics, but also from the hard index of the light source itself. BESUN does not produce light sources, but will select light sources that meet BESUN's standards.





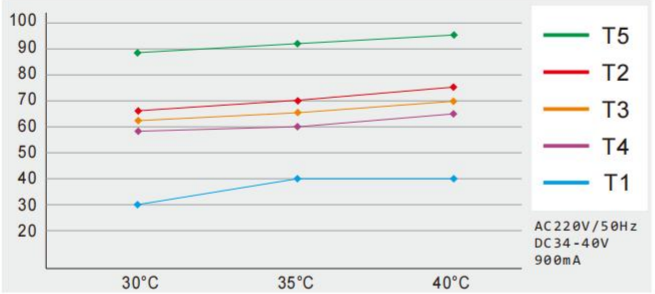
Technical requirements:
Ambient temperature reaches 40 degrees, light source TC point <80 degrees, driver TC point <95 degrees

倍晟[®] King of Track Light
BESUN Temperature rise report

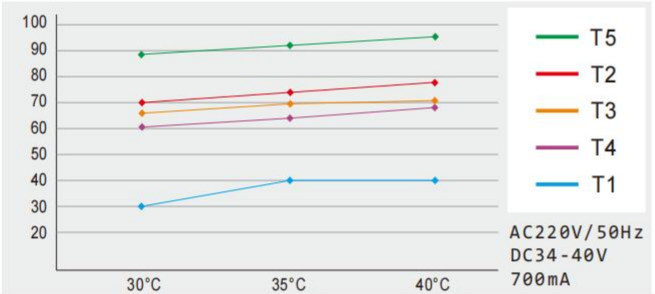
BESUN's heat dissipation material, with (226.W/M.K) super high thermal conductivity, can effectively reduce the temperature difference between inside and outside the lamp, and reduce the light decay, color temperature drift and other key data, and significantly improve the service life of the lamp.

The temperature of the driver TC point in the chart is normal, because this driver can provide high P flicker-free 5 years warranty when the TC point is less than 100 degrees.

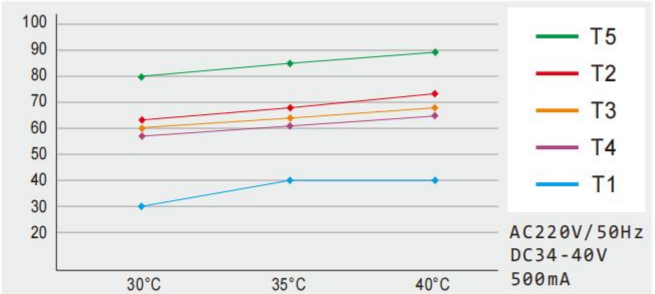
Temperature Measuring Point	environmental temperature (T1)	29.8	31.5	34.8	39.8
	welding spot's negative pole (T2)	29.8	66.1	69.2	76.5
	inside (T3)	29.8	61.2	64.7	69.9
	outside (T4)	29.8	58.1	60.8	66.8
	driver TC point (T5)	30.0	89.8	93.5	94.5
T4008	Result	OK			



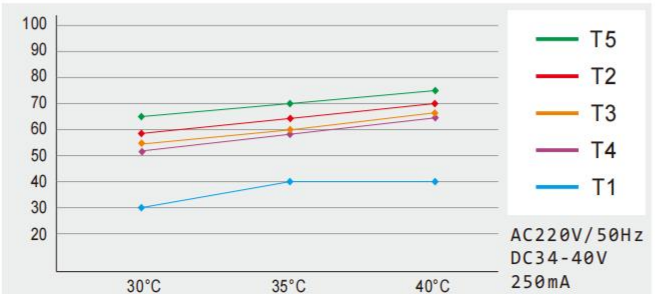
Temperature Measuring Point	environmental temperature (T1)	29.8	31.5	34.8	39.8
	welding spot's negative pole (T2)	29.9	69.4	72.1	78.5
	inside (T3)	29.8	66.7	69.4	71.5
	outside (T4)	29.8	61.8	64.7	68.5
	driver TC point (T5)	30.0	88.7	92.5	95.3
T3008	Result	OK			



Temperature Measuring Point	environmental temperature (T1)	29.8	30.7	35.8	40.1
	welding spot's negative pole (T2)	29.9	63.1	68.9	72.2
	inside (T3)	29.8	60.4	65.2	68.4
	outside (T4)	29.8	57.0	62.6	65.9
	driver TC point (T5)	30.1	79.8	85.4	88.2
T2008	Result	OK			



Temperature Measuring Point	environmental temperature (T1)	29.9	30.0	36.5	40.0
	welding spot's negative pole (T2)	29.8	58.9	64.2	65.2
	inside (T3)	29.8	54.6	59.9	65.1
	outside (T4)	29.8	53.3	58.8	64.1
	driver TC point (T5)	29.8	65.8	70.6	75.3
T1008	Result	OK			

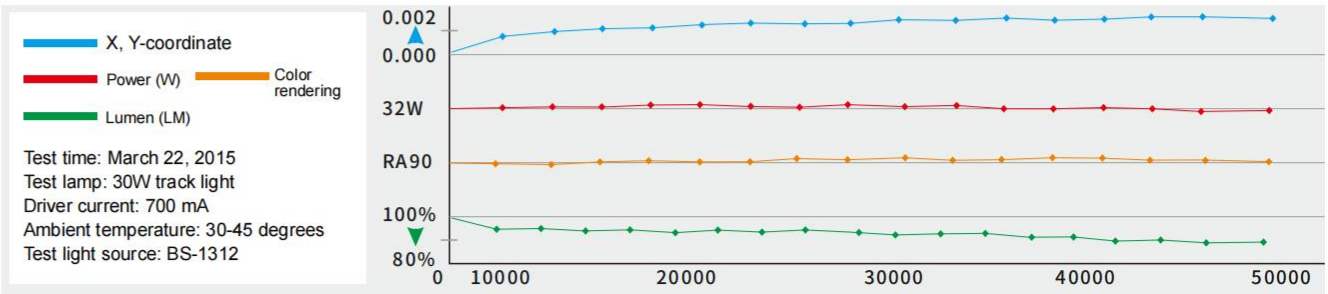


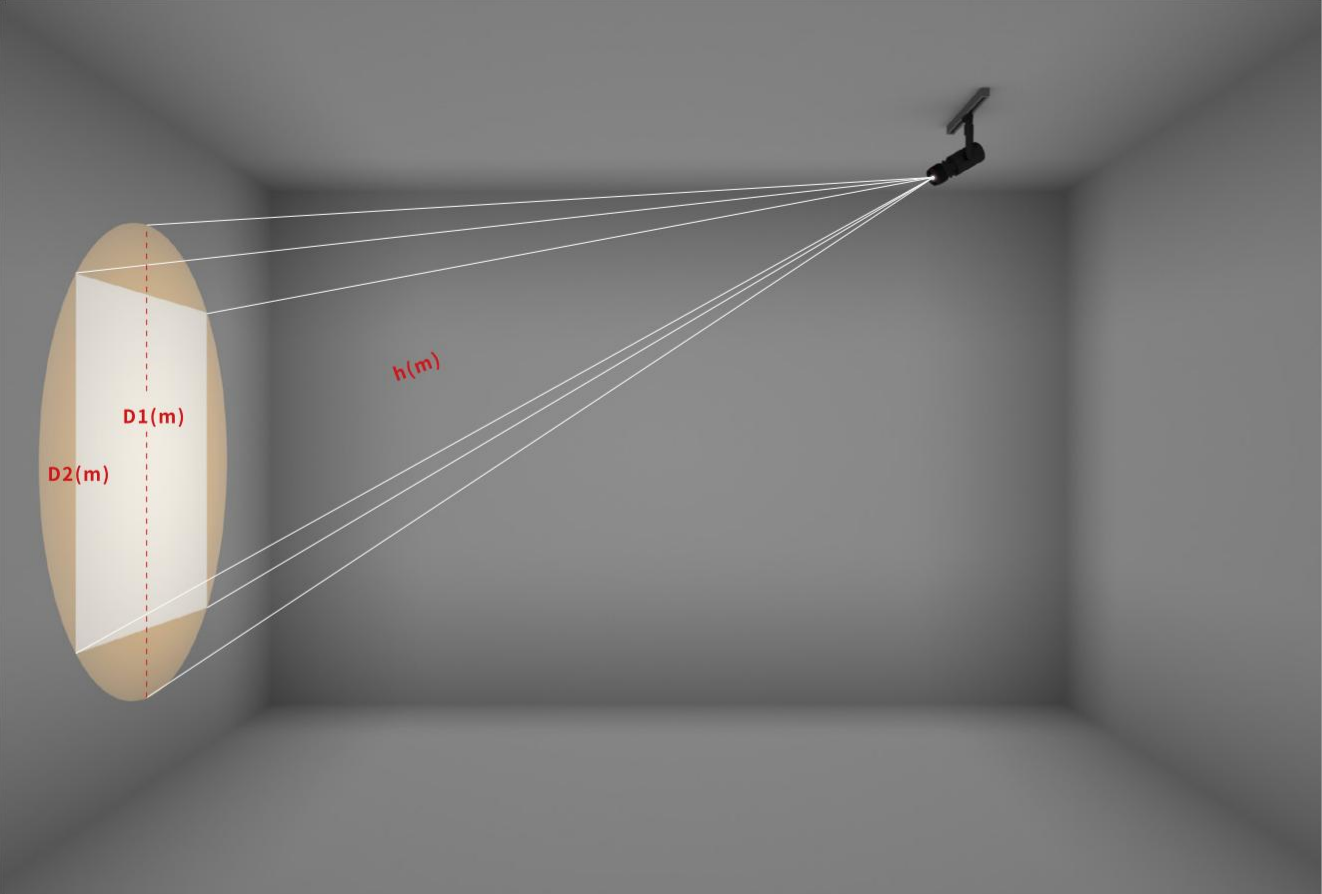
倍晟[®] King of Track Light
BESUN Light Decay Report

The whole lamp permanent 24 hours non-stop aging, every 3,000 hours to extract data, the highest monitoring data has 100,000 hours, 30,000 hours within the original LM maintenance rate of more than 95%, 50,000 hours of the original lumen maintenance rate of more than 90%, power color rendering, color temperature and other parameters in 97% maintenance rate.

Test time: March 22, 2015
Test lamp: 30W track light
Driver current: 700 mA
Ambient temperature: 30-45 degrees
Test light source: BS-1312

Time (h)	Power (W)	PF	Color temperature(K)	Color rendering	Lumen (LM)	X-coordinate	Y-coordinate	Lumen maintenance rate
0	32.60	0.98	3012	89.9	3420	0.4350	0.4113	100%
3000	32.45	0.96	3031	90.0	3368	0.4337	0.4112	98.5%
6000	32.45	0.96	3030	90.0	3324	0.4340	0.4114	97.2%
9000	32.35	0.96	3029	90.0	3330	0.4339	0.4111	97.4%
12000	32.43	0.96	3034	90.0	3342	0.4332	0.4100	97.7%
15000	32.51	0.96	3023	90.0	3255	0.4340	0.4107	95.2%
18000	32.38	0.96	3031	90.1	3217	0.4338	0.4107	94.1%
21000	32.27	0.96	3037	90.1	3213	0.4330	0.4112	93.9%
24000	32.37	0.96	3029	90.0	3204	0.4329	0.4112	93.7%
27000	32.29	0.96	3043	89.9	3228	0.4328	0.4113	94.4%
30000	32.37	0.96	3047	89.8	3339	0.4326	0.4114	97.6%
33000	32.35	0.96	3041	89.9	3243	0.4329	0.4108	94.8%
36000	32.23	0.96	3036	90.0	3233	0.4332	0.4108	94.5%
39000	32.40	0.99	3036	90.0	3224	0.4330	0.4107	94.3%
42000	32.50	0.99	3039	90.0	3199	0.4334	0.4106	93.5%
45000	32.45	0.96	3039	90.1	3180	0.4331	0.4106	93.0%
48000	32.20	0.97	3045	90.0	3130	0.4339	0.4105	91.5%



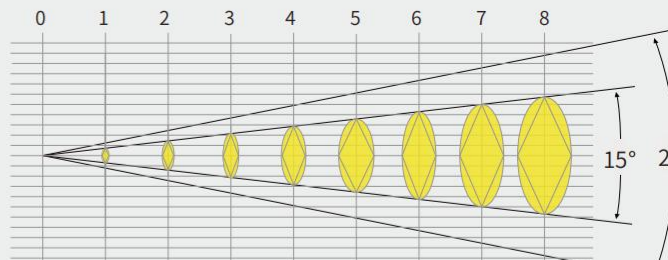


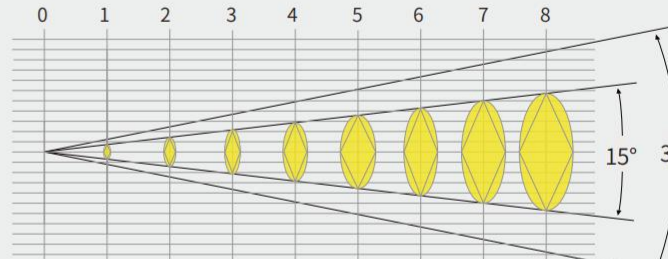
倍晟 BESUN[®]
King of Track Light - Full-Scene
Distributed Module

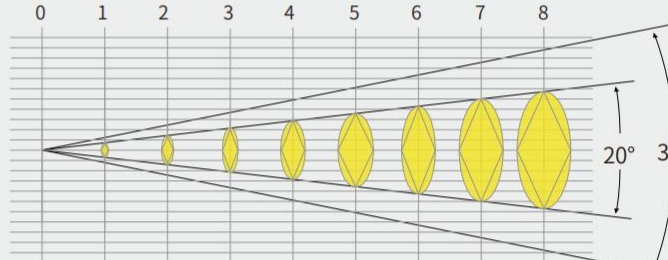
h: Irradiation distance between light spot and lamp

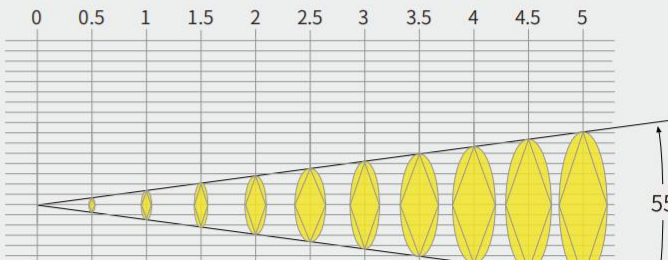
D1: Circular spot diameter

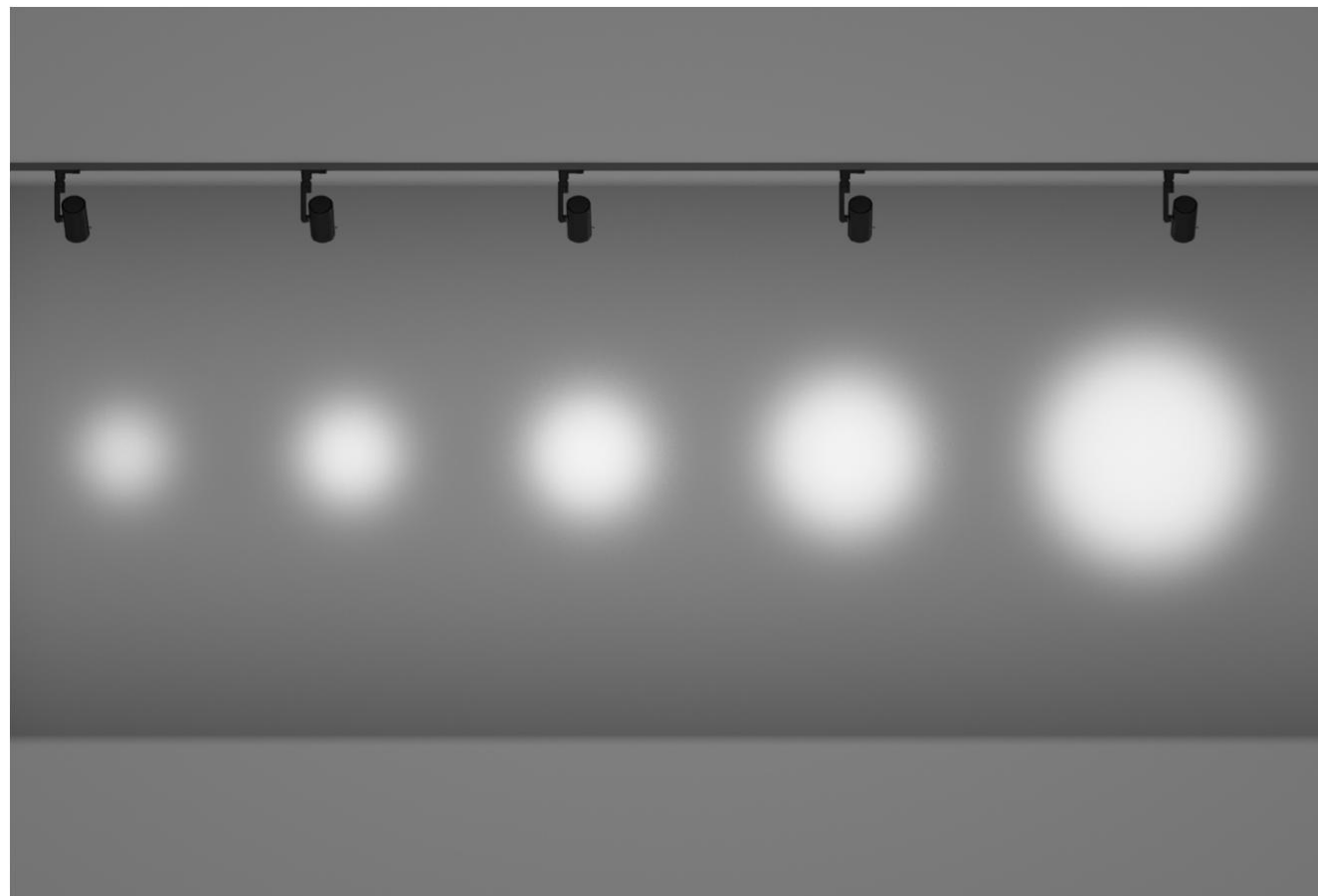
D2: Square spot side length

Zoom range	<div>Projection distance (m) : 0 1 2 3 4 5 6 7 8</div> <div></div>									
15°-25° frame size 1:0.25-0.40										
Power(W)										
10W	<div>15°Circular spot diameter (m) : 0 0.25 0.50 0.76 1.01 1.26 1.52 1.77 2.03</div> <div>25°Circular spot diameter (m) : 0 0.40 0.81 1.22 1.63 2.04 2.45 2.86 3.27</div>									
20W										
30W	<div>15°Square-spot side length(m): 0 L0.17 L0.35 L0.53 L0.71 L0.88 L1.06 L1.24 L1.42</div> <div>25°Square-spot side length(m): 0 L0.28 L0.57 L0.85 L1.14 L1.43 L1.71 L2.00 L2.29</div>									
40W										

Zoom range	<div>Projection distance (m) : 0 1 2 3 4 5 6 7 8</div> <div></div>									
15°-36° frame size 1:0.25-0.64										
Power(W)										
10W	<div>15°Circular spot diameter (m) : 0 0.25 0.50 0.75 1.00 1.25 1.50 1.75 2.00</div> <div>36°Circular spot diameter (m) : 0 0.64 1.28 1.92 2.56 3.21 3.85 4.49 5.13</div>									
20W										
30W	<div>15°Square-spot side length(m): 0 L0.17 L0.35 L0.53 L0.70 L0.88 L1.06 L1.24 L1.41</div> <div>36°Square-spot side length(m): 0 L0.45 L0.90 L1.36 L1.81 L2.27 L2.72 L3.17 L3.63</div>									
40W										

Zoom range	<div>Projection distance (m) : 0 1 2 3 4 5 6 7 8</div> <div></div>									
20°-36° frame size 1:0.39-0.64										
Power(W)										
10W	<div>20°Circular spot diameter (m) : 0 0.39 0.79 1.19 1.59 1.98 2.38 2.78 3.18</div> <div>36°Circular spot diameter (m) : 0 0.64 1.29 1.94 2.59 3.24 3.89 4.53 5.18</div>									
20W										
30W	<div>20°Square-spot side length(m): 0 L0.28 L0.56 L0.84 L1.12 L1.40 L1.68 L1.96 L2.25</div> <div>36°Square-spot side length(m): 0 L0.45 L0.91 L1.37 L1.83 L2.29 L2.75 L3.20 L3.66</div>									
40W										

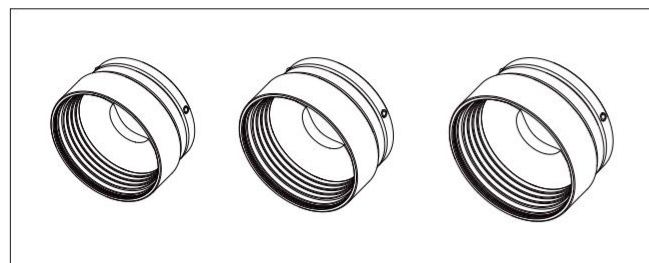
Zoom range	<div>Projection distance (m) :</div> <div></div>									
55° frame size 1:1										
Power(W)										
10W										
20W										
30W										
40W	<div>55°Circular spot diameter (m) :</div> <div>55°Square-spot side length(m):</div>									



倍晟 King of Track Light **BESUN KA Module**

In the BESUN full-scene distributed module, KA module belongs to level 1 optical, level 1 optical must be selected and unique, which can interoperate with other level 1 optical, interchangeable and complementary, and can be equipped with level 2, 3, 4 optical. It has the characteristics of super color mixing ability, super low glare, super high center light intensity, etc.

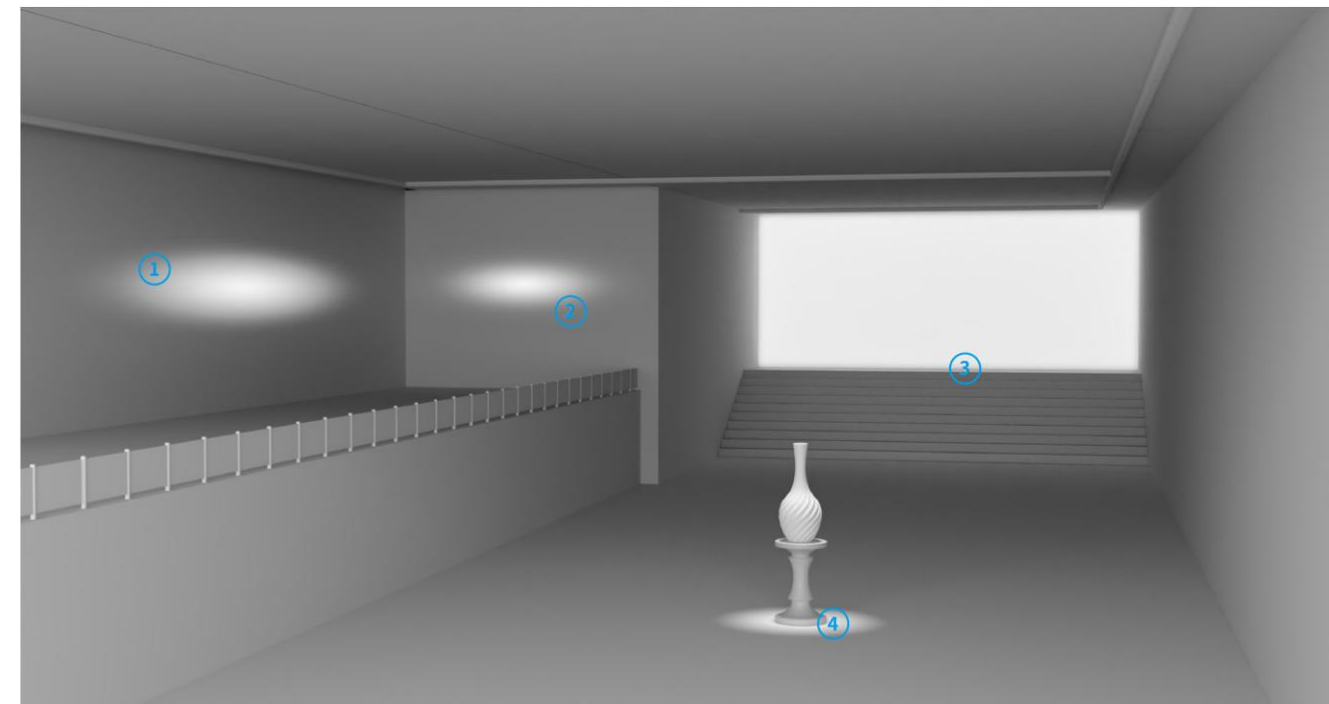
Mainly used for commercial lighting and accent lighting, or equipped with other optical modules to become specific area lighting, available in 10°, 15°, 24°, 36°, 55°.



10W
 $\phi=65\text{mm}$

20W
 $\phi=75\text{mm}$

28W
 $\phi=85\text{mm}$

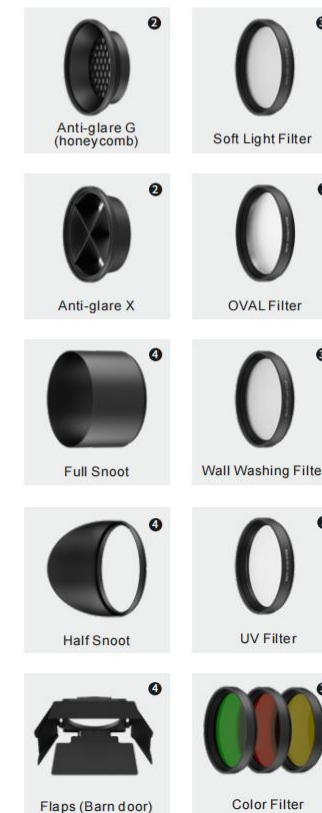


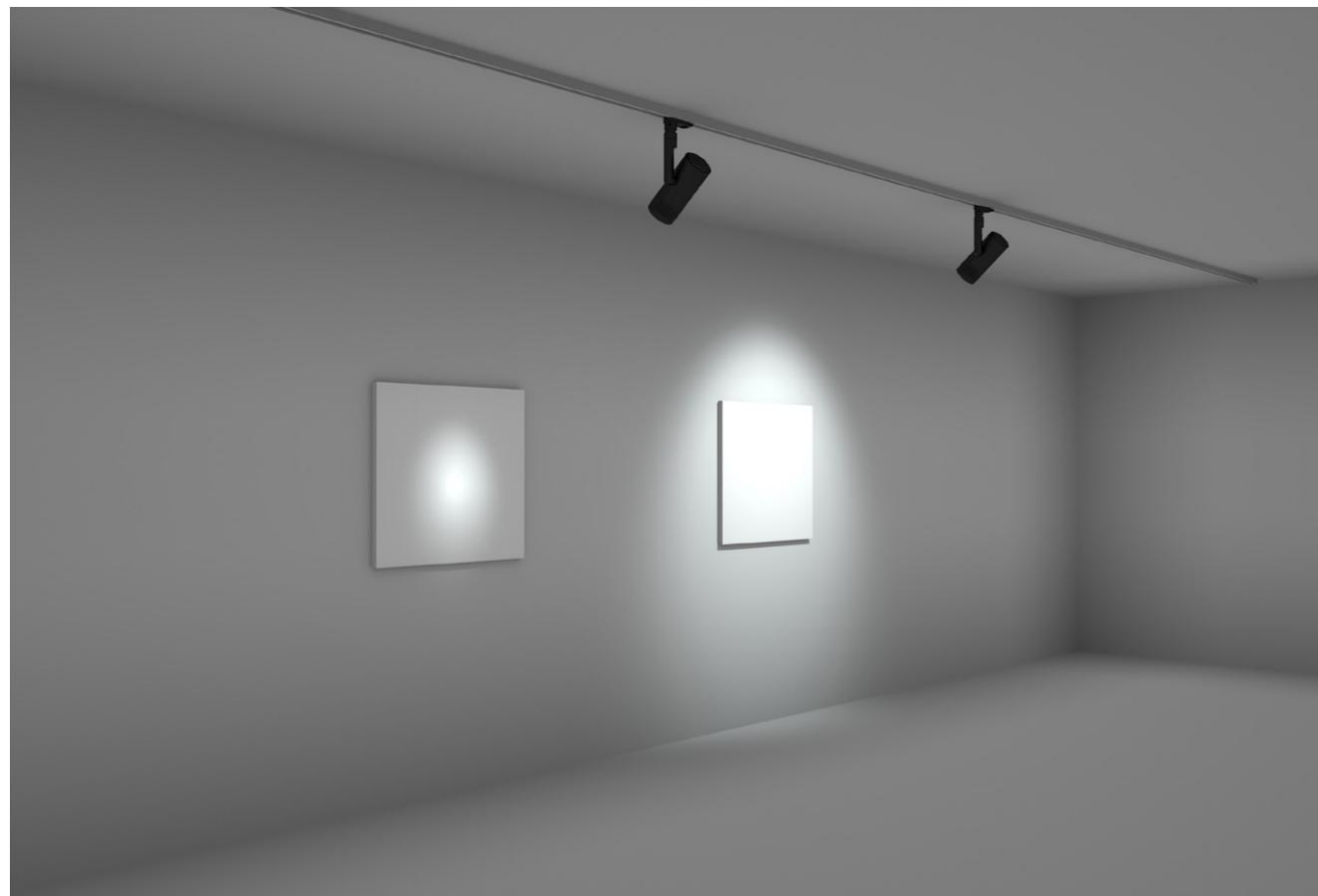
Classic application case study

- 1, 15°+Oval Filter L.
- 2, 15°+Oval Filter S.
- 3, 15°+Wall Washing Filter.
- 4, 10° Accent Lighting.



Optional Accessories





倍晟 King of Track Light **BESUN Zoom Module**

In the BESUN full-scene distributed module, the zoom module belongs to level 1 optical. This unique optics must be selected, for it can interoperate, interchange and complement with other level 1 optical. This module can also be equipped with level 2, 3 and 4 optical. The zoom angle range is 10°-55° adjustable.

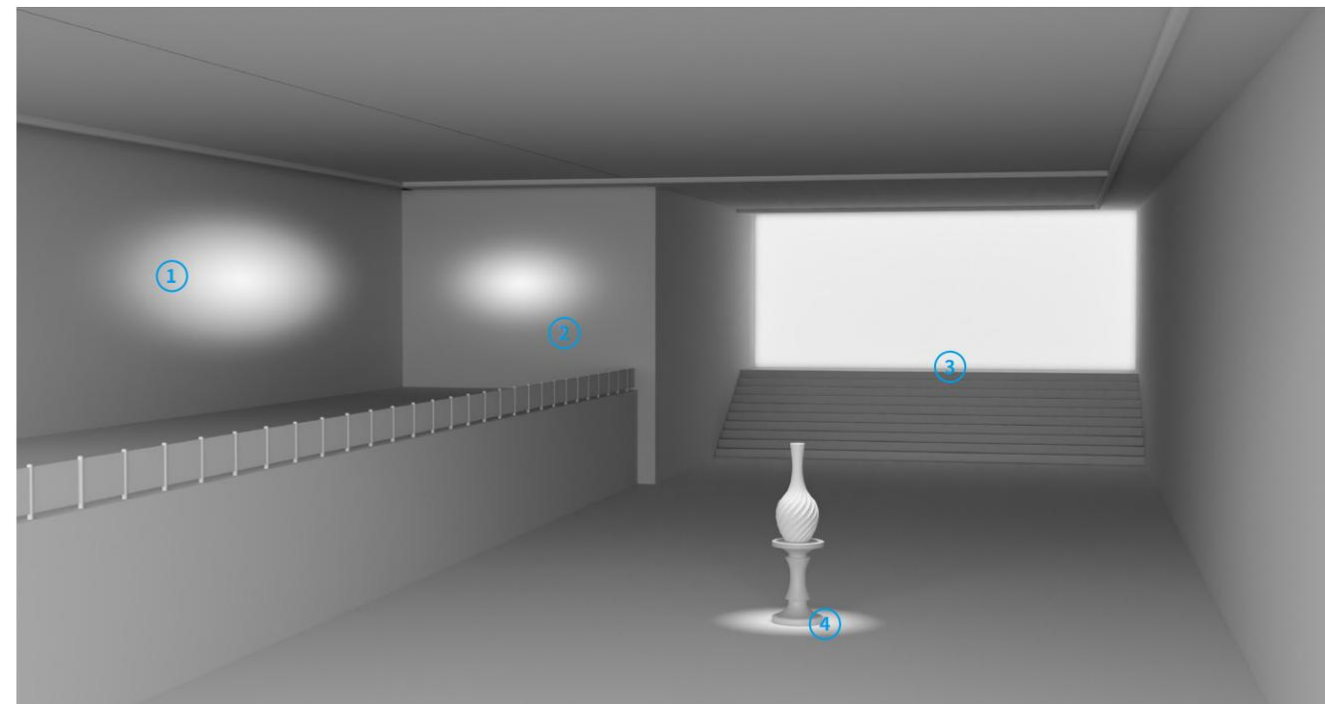
It is mainly suitable for the scene where the sizes of objects are different and the angle requirements are more flexible. With stretching module, it can project a linear elliptical spot.



10W
 $\phi=65\text{mm}$

20W
 $\phi=75\text{mm}$

28W
 $\phi=85\text{mm}$

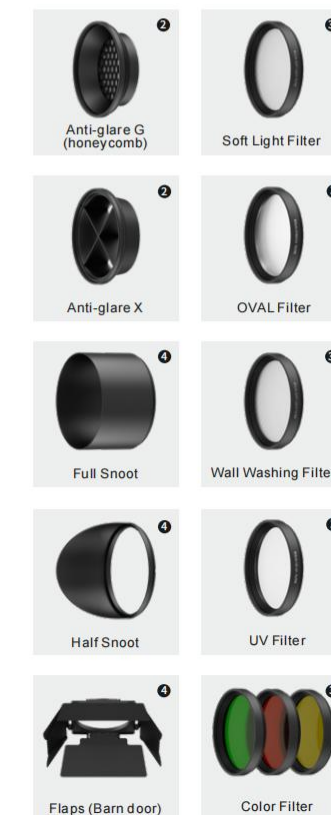


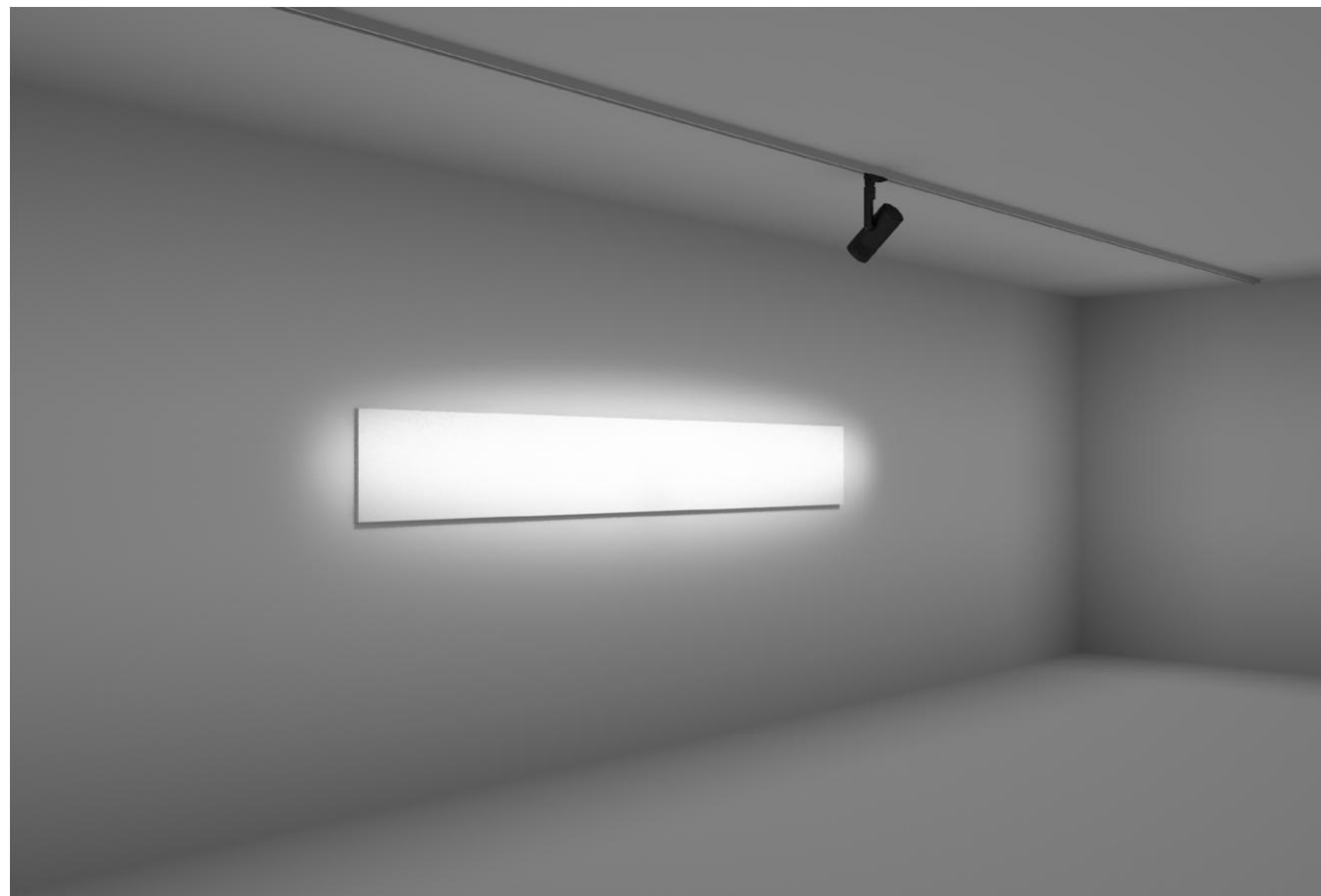
Classic application case study

- 1, Zoom + Oval Filter L.
- 2, Zoom + Oval Filter S.
- 3, Zoom + Wall Washing Filter.
- 4, 10° Accent Lighting.



Optional Accessories





倍晟 King of Track Light **BESUN Oval Module**

In the BESUN full-scene distributed module, the stretch module belongs to level 3 optical, which can interoperate, complement, mutual assist even overlap with other optical. To fit scene lighting needs, this module is mainly used to stretch a round spot into an oval or rectangular spot.

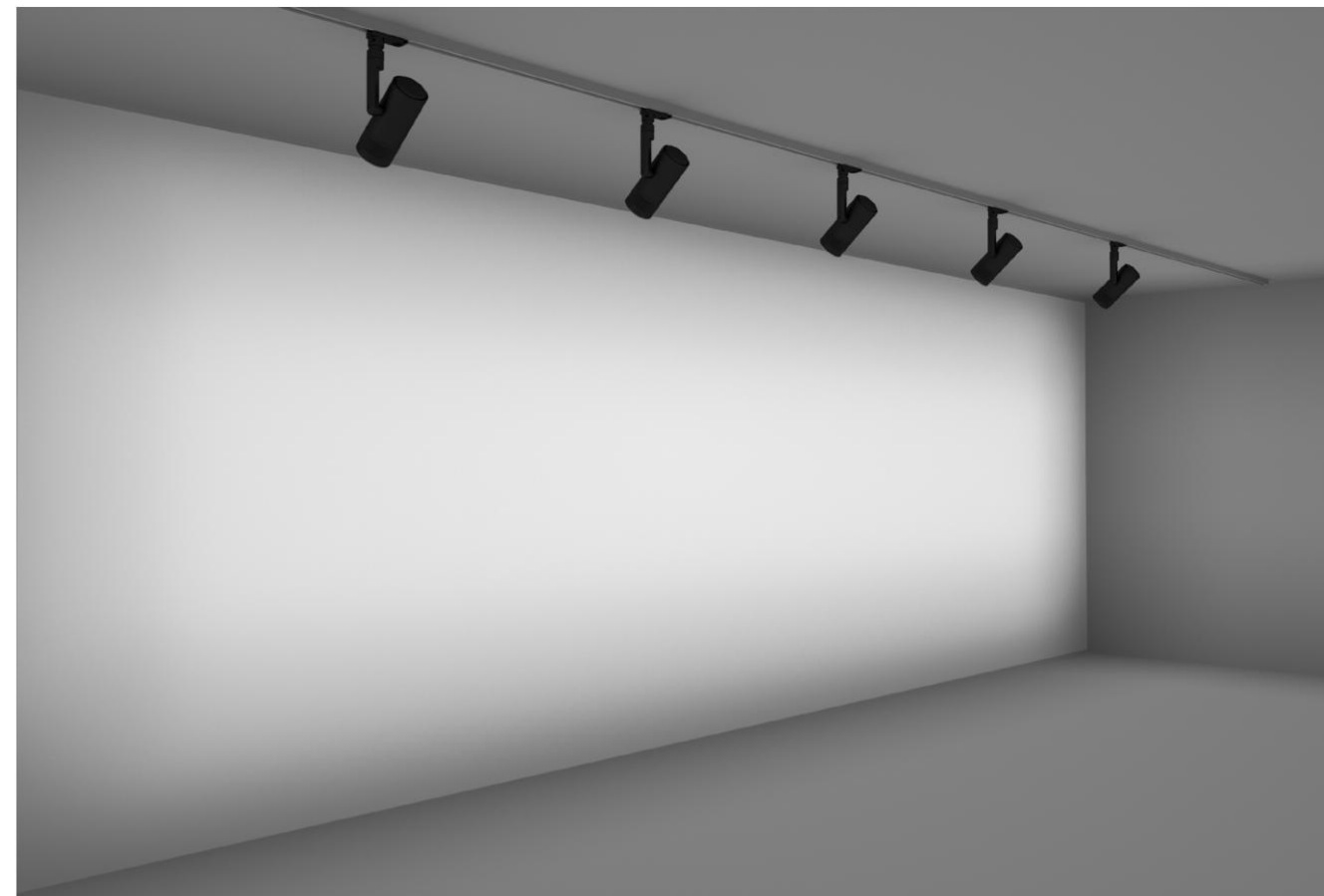
There are 3 sizes of stretch modules: L, M and S, which represent large, medium and small respectively. In the same specification, the smaller the corresponding level 1 optical angle, the thinner and longer the stretched spot shape will be. On the contrary, the larger, the shorter and thicker the stretched spot shape will be. The effect of selecting zoom module as level 1 optical is excellent, which can realize linear stretching its thickness.



10W
φ=65mm

20W
φ=75mm

28W
φ=85mm



倍晟 King of Track Light **BESUN Wall Washing Module**

In the BESUN full-scene distributed module, the wall washing module belongs to level 3 optical, which can interoperate, complement, mutual assist with other optical. This module is mainly used in track with wall washing effect.

There is only one specification for the wall washing module. "Wall washing" requires the light to project at the wall at a 45-degree angle. The smaller the corresponding level 1 optical angle, the higher the effective height of the wall washing and the denser the arrangement of lights will be. On the contrary, the larger, the shorter the effective height of the wall washing and the more sparse the arrangement of lights will be.

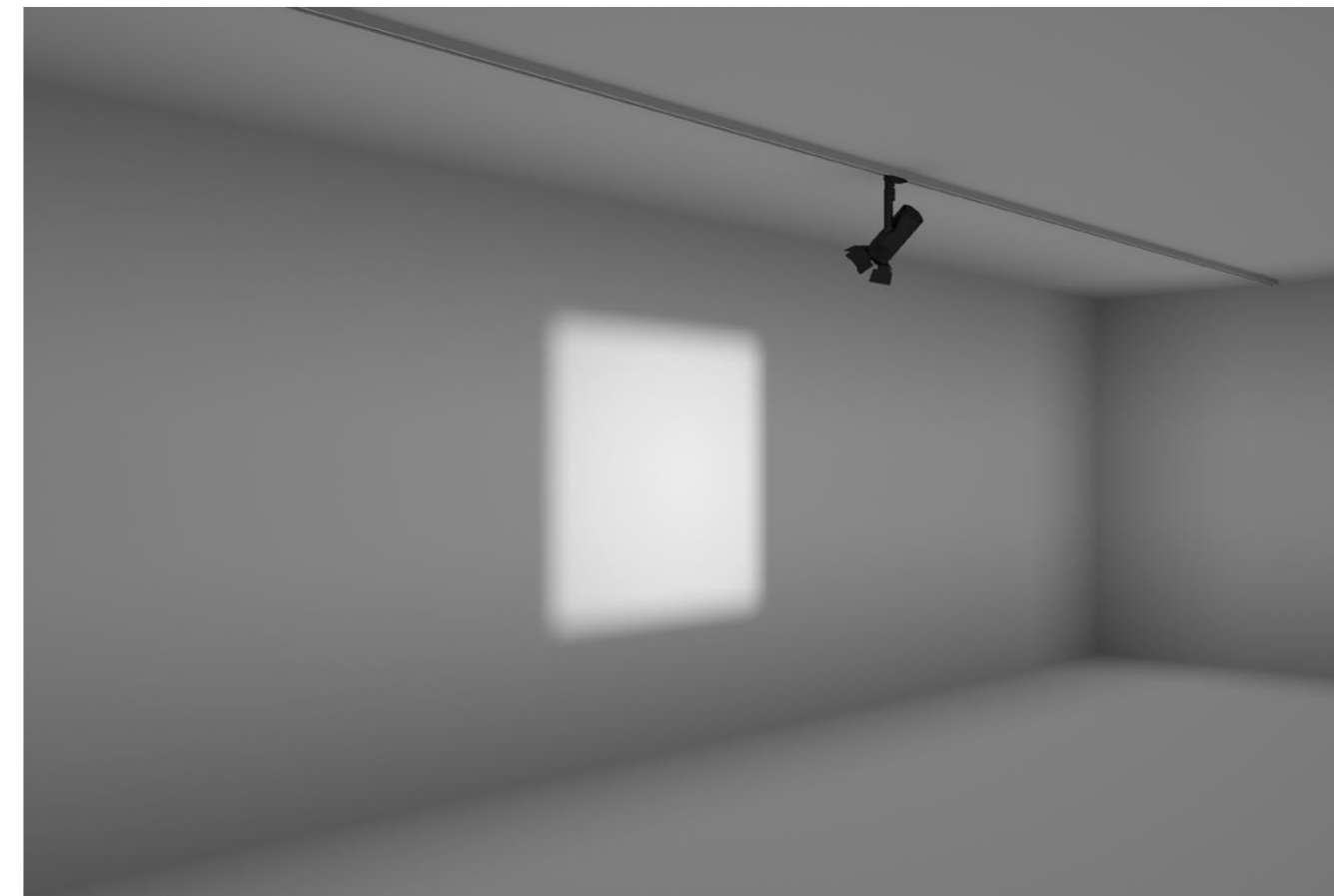
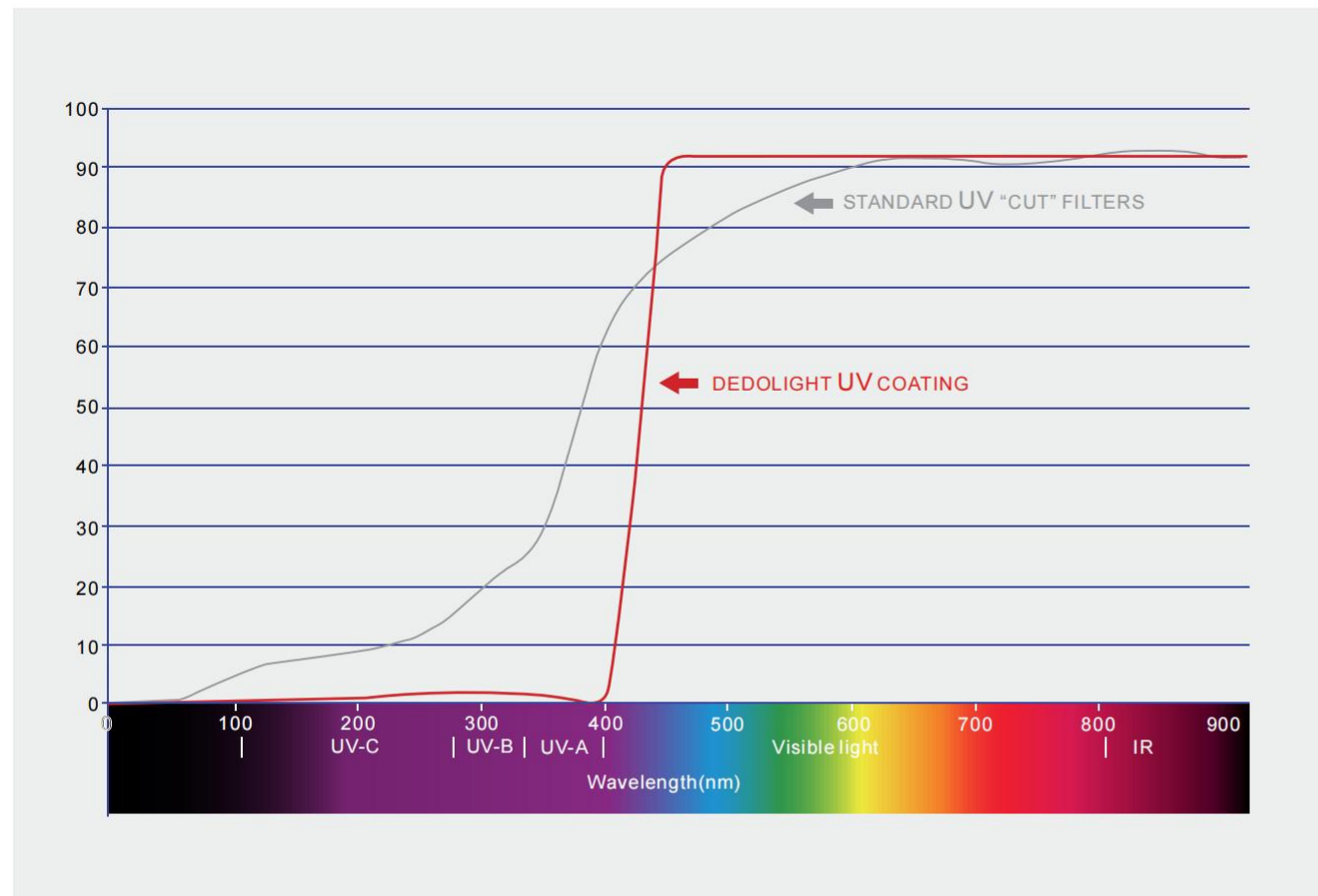


10W
φ=65mm

20W
φ=75mm

28W
φ=85mm





倍晟® King of Track Light BESUN UV Module

In the BESUN full-scene distributed module, the UV module belongs to level 3 optical. It can overlap with almost all modules to prevent from the trace amounts of UV light residue in LED luminaires and to protect the illuminated objects.

Valuable furniture, literature, calligraphy, paintings, silk, satin and other items are particularly sensitive to UV rays. Improper lighting will accelerate aging, yellowing, embrittlement, of such items. Adding a UV module in front of the light can reduce the occurrence of such incidents.



10W
 $\phi=65\text{mm}$

20W
 $\phi=75\text{mm}$

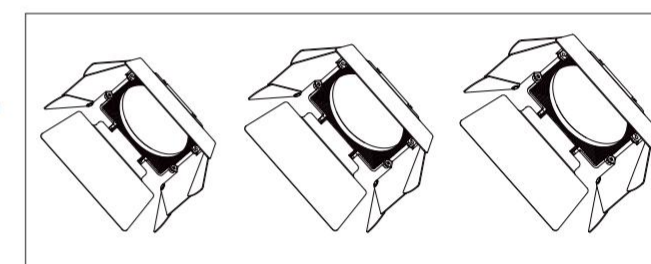
28W
 $\phi=85\text{mm}$



倍晟® King of Track Light BESUN Flaps Module

In the BESUN full-scene distributed module, the flaps module belongs to level 4 optical, which can be added at the end of the selection of other optical, depending on whether it is necessary or not. The correct use of this optics can get a relatively soft square or rectangle spot. It is generally used for more than 36° optical module.

BESUN's flaps has 8 flaps that can be freely adjusted to a more delicate spot, and more different spot shapes, so it adapts to a wider range.



10W
 $\phi=65\text{mm}$

20W
 $\phi=75\text{mm}$

28W
 $\phi=85\text{mm}$

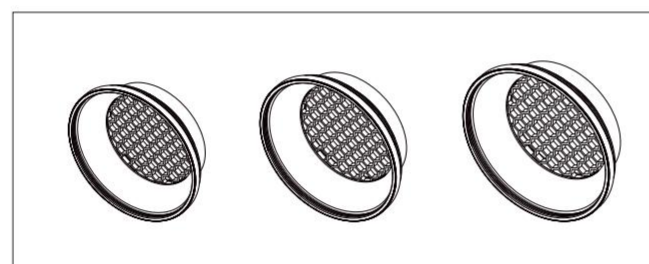




倍晟 King of Track Light **BESUN Anti-glare Module G**

In the BESUN full-scene distributed module, the anti-glare module G belongs to level 2 optical and can only be used with level 1 lighting optical modules to achieve anti-glare effect. Normal use can reduce the glare index to 9.

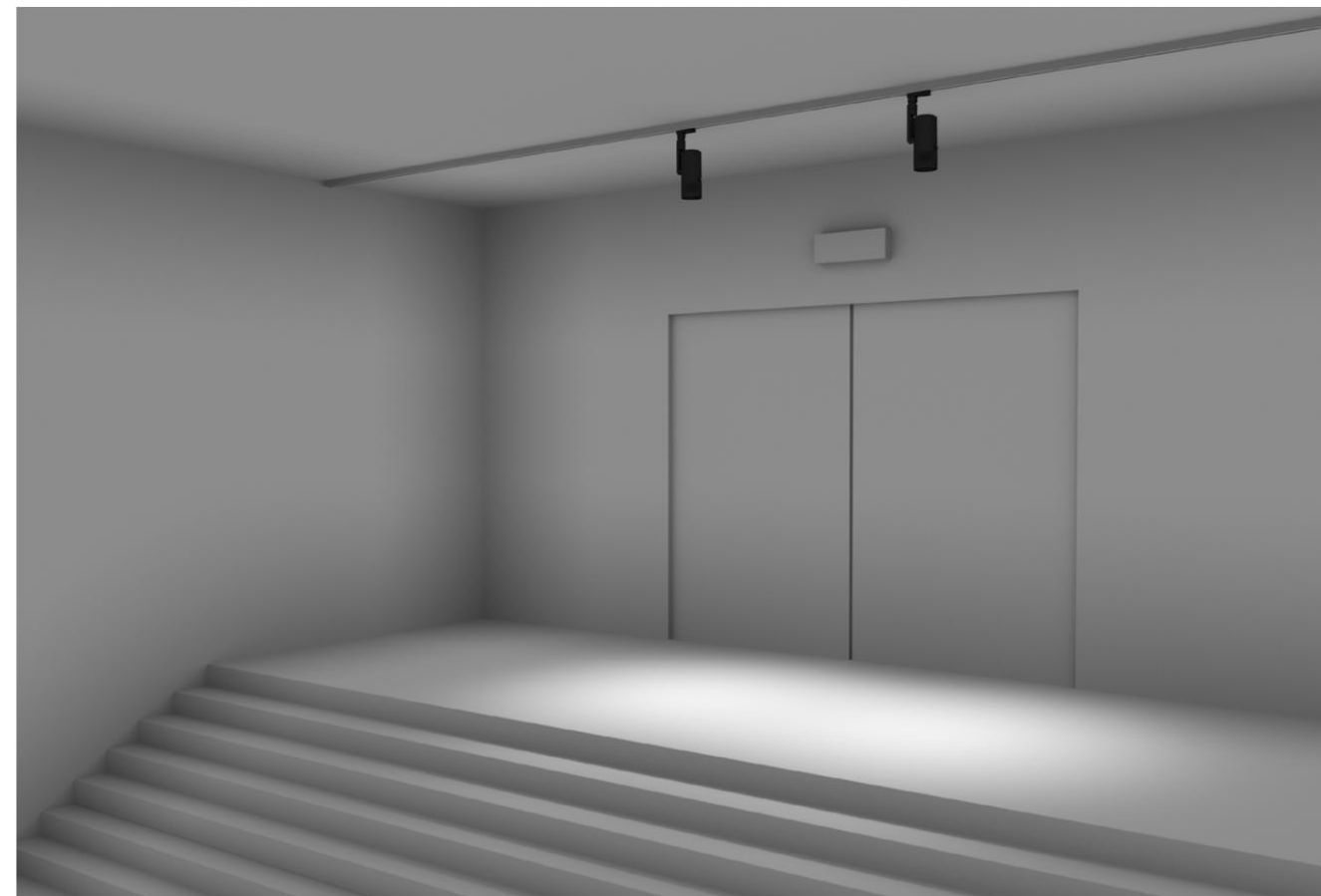
Anti-glare module G, belongs to the level 2 optical module, adding stretch module, soft light module, wall washing module and other optics in front of it will make the light-emitting surface migrate and lose the anti-glare effect; The only level 3 optical that can be equipped are UV filter and color filter two, and all level 4 optical can be installed.



10W
 $\phi=65\text{mm}$

20W
 $\phi=75\text{mm}$

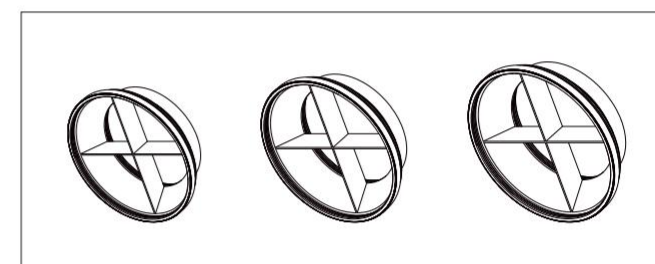
28W
 $\phi=85\text{mm}$



倍晟 King of Track Light **BESUN Anti-glare Module X**

In the BESUN full-scene distributed module, the anti-glare module X belongs to level 2 optical and can only be used with level 1 lighting optical modules to achieve anti-glare effect. Normal use can reduce the glare index to 11.

Anti-glare module X, belongs to the 2nd level optical module, adding stretch module, soft light module, wall washing module and other optics in front of it will make the light-emitting surface migrate and lose the anti-glare effect; The only level 3 optical that can be equipped are UV filter and color filter two, and all level 4 optical can be installed.



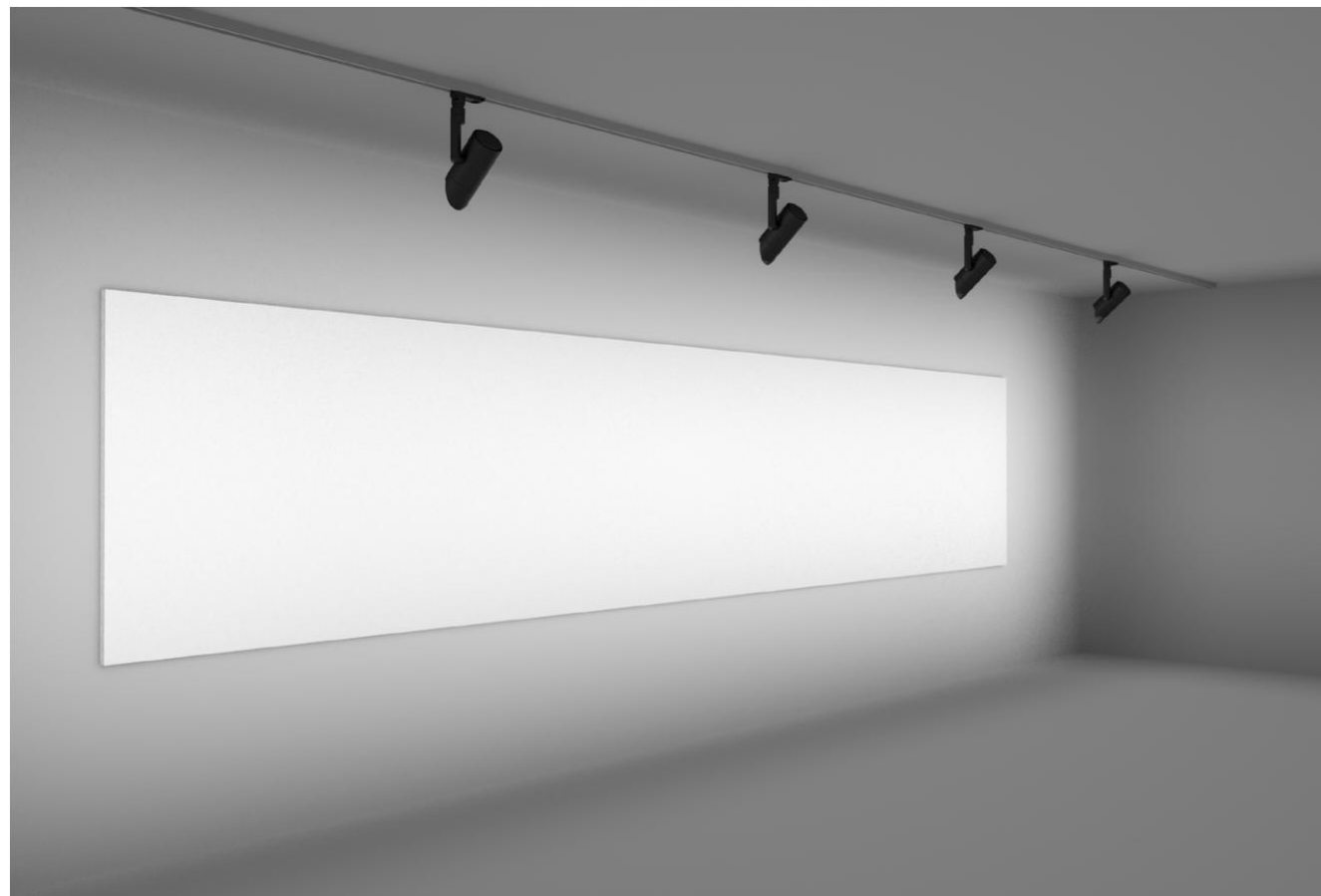
10W
 $\phi=65\text{mm}$

20W
 $\phi=75\text{mm}$

28W
 $\phi=85\text{mm}$

Its main function is the anti-glare function, mainly used in some forced to raise their heads, or involuntarily raised places, such as: elevator room, entrances, escalators, slopes, culverts, promenades and other places of lighting.

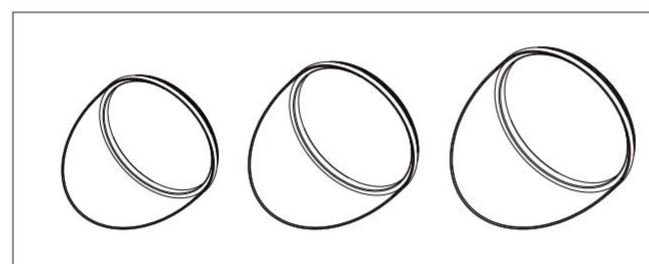




倍晟® King of Track Light **BESUN Spotlight Module C (Half Snoot)**

In the BESUN full-scene distributed module, the Spotlight Module C (Half Snoot) belongs to the level 4 optical, which can be considered after choosing other optics whether it is necessary to add this optic; The correct use of this optic can let the light within a specific angle get through, and the rest of the angle stray light will be blocked.

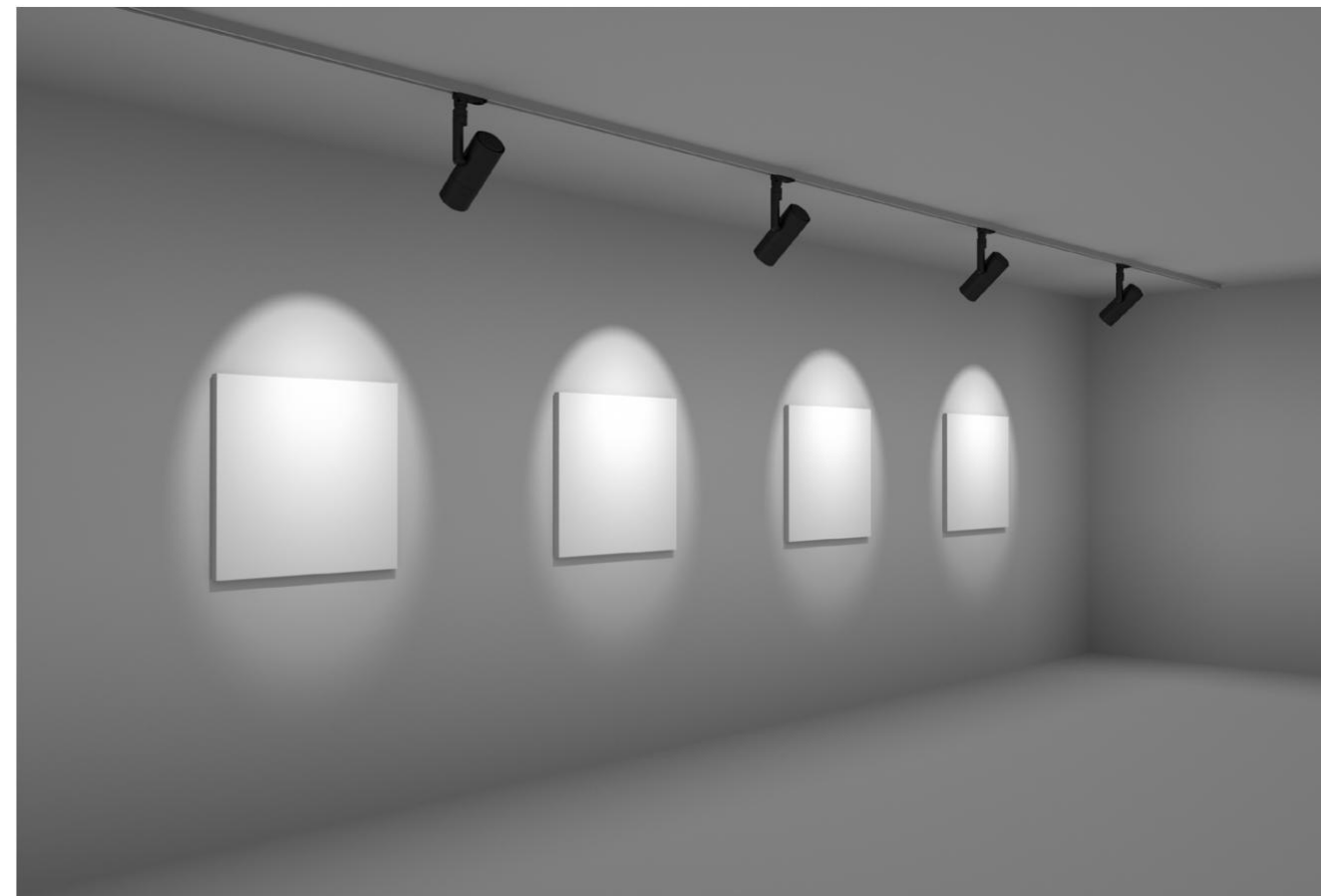
Spotlight Module C (Half Snoot), a semi-open blocking module, is generally used to match with track type wall washing module, which can not only obtain pure wall washing spots, but also block stray light outside the wall. For example, calligraphy and painting display lighting, wall washing lighting, signboard lighting, tile board display lighting, etc.



10W
 $\phi=65\text{mm}$

20W
 $\phi=75\text{mm}$

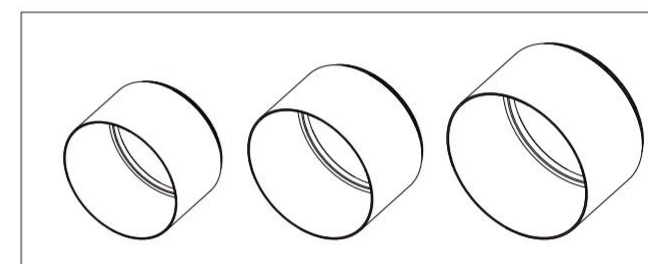
28W
 $\phi=85\text{mm}$



倍晟® King of Track Light **BESUN Spotlight Module O (Full Snoot)**

In the BESUN full-scene distributed module, the Spotlight Module O (Full Snoot) belongs to the level 4 optical, which can be considered after choosing other optics whether it is necessary to add this optic; The correct use of this optical module can make the light passing through the device appear purer, more concentrated, further reducing glare.

Spotlight Module O (Full Snoot), a fully enclosed light blocking module, is generally used to remove the stray light other than the main light spot, so that the light spot appears more focused and brighter, if used with a large angle KA module, the cutoff line will be very clear lighting effect..

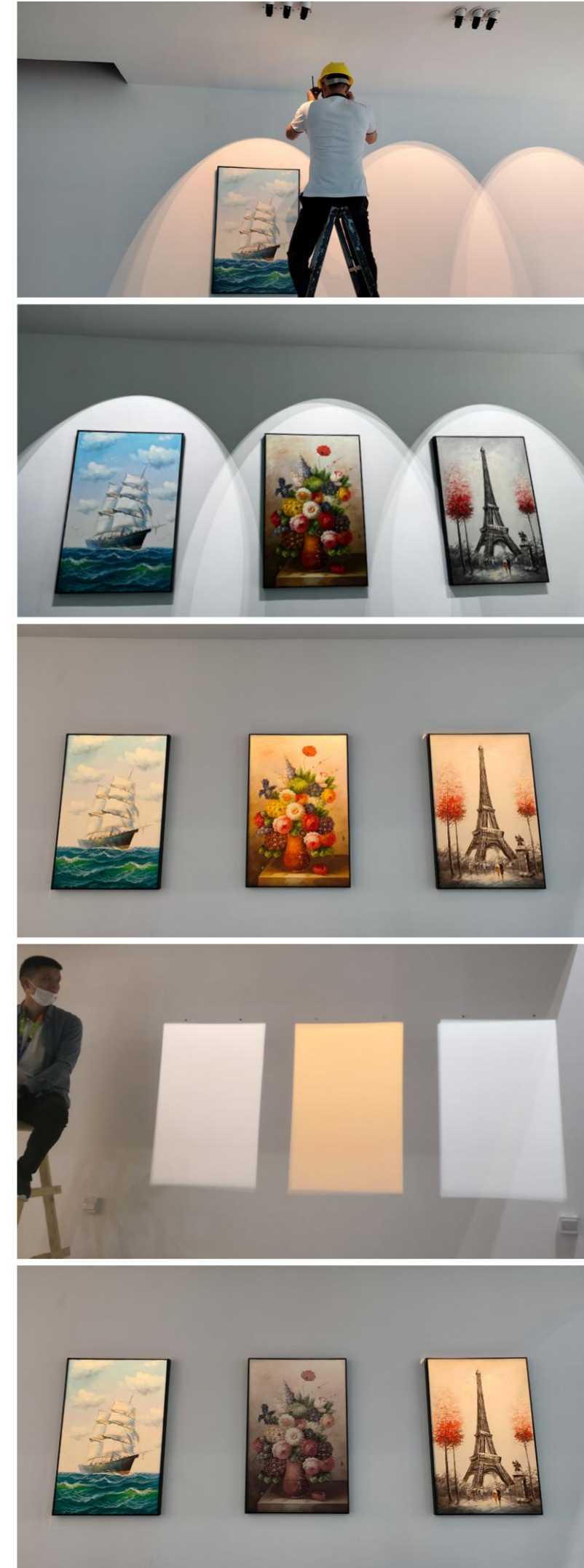


10W
 $\phi=65\text{mm}$

20W
 $\phi=75\text{mm}$

28W
 $\phi=85\text{mm}$







KP series Magnetic contour spotlight (M1003K) has equipped with our newly developed 55° fixed-focus wide-angle optical lens and 15~36 ° constant zoom optical lens, compatible with ϕ 38mm mini size radiator and magnetic track adapter. Ultra-small size, excellent performance.

- Ultra-high-definition projection.
- Millimeter-level precise Spot shaping, uniform illumination.
- Fixed-focus / zoom lens can be switched arbitrarily (It truly integrates fixed-focus optics and zoom optics mutually. Maximize the optical properties of fixed-focus and zoom lens).

Applications

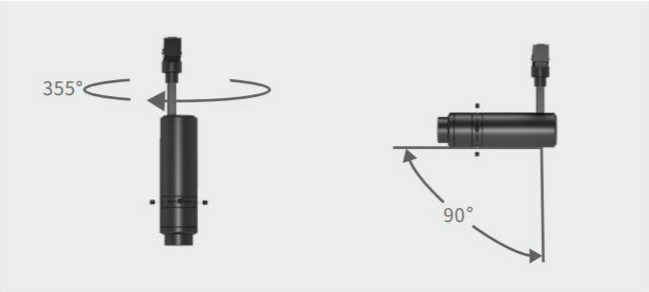
Museum, art gallery, home decoration, hotel, restaurant, machine vision lighting and other creative commercial lighting.

Dimming and CCT changing via Smart Control

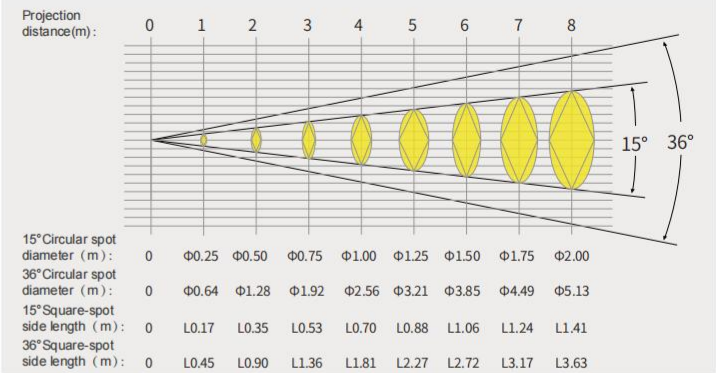
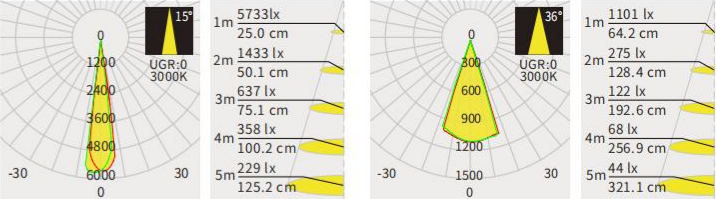
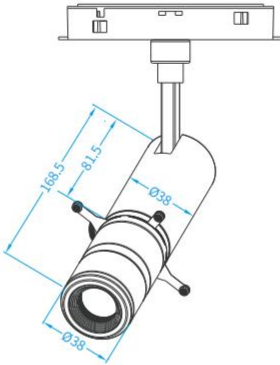
Single / tunnable white via MIJIA / TUYA Bluetooth / TMALL / TIGIDIGITAL / DALI / ORVIBO Zigbee / TUYA Zigbee / 1-10V dim, etc.



KP series magnetic contour spotlight has the features of flexible rotation and precisely projection, supporting vertical 90° rotation and horizontal 355° rotation. (As shown below)

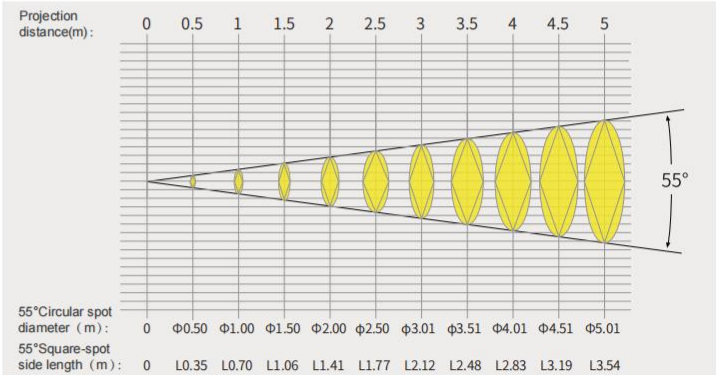
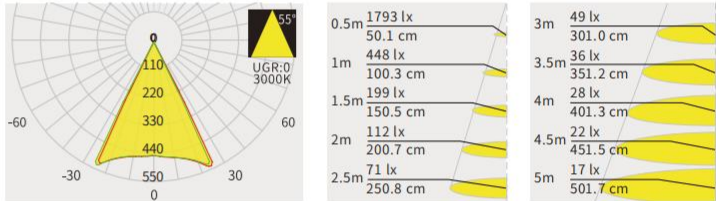
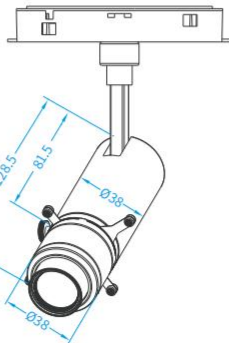


M1003K-3836B



Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	G.W.	Casing color
M1003K	10W	300~350LM	Ra≥97	2700K/3000K/4000K	15°~36°	nonsupport	0.35Kg	Black/white

M1003K-3855



Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	G.W.	Casing color
M1003K	10W	300~350LM	Ra≥97	2700K/3000K/4000K	55°	nonsupport	0.29Kg	Black/white

KP series stretching embedded contour spotlight



KP series stretching embedded contour spotlight has equipped with our latest developed 55 ° fixed focus wide-angle optical lens and 15 ~ 36 ° constant zoom optical lens. compatible with ϕ 38mm mini size radiator and 70mm stretching embedded device. Ultra-small size, excellent performance.

- Ultra-high-definition projection.
- Millimeter-level precise Spot shaping, uniform illumination.
- Fixed-focus / zoom lens can be switched arbitrarily (It truly integrates fixed-focus optics and zoom optics mutually. Maximize the optical properties of fixed-focus and zoom lens).

Applications

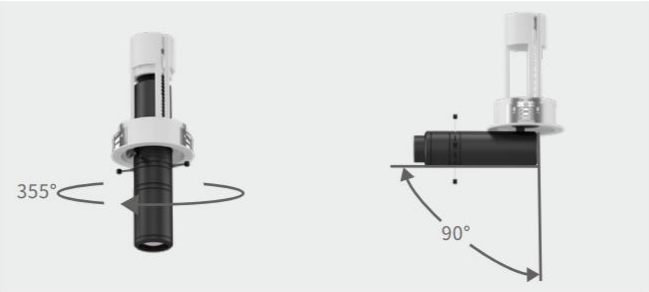
Museum, art gallery, home decoration, hotel, restaurant, machine vision lighting and other creative commercial lighting.

Dimming and CCT changing via Smart Control

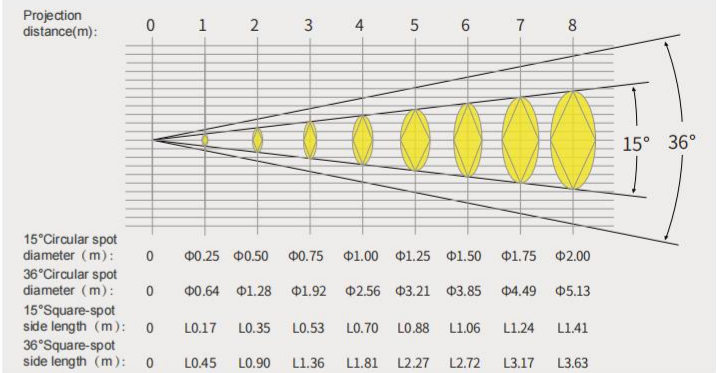
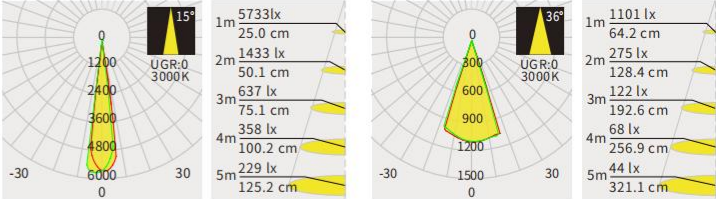
Single / tunnable white via MIJIA / TUYA Bluetooth / TMALL / TIGIDIGITAL / DALI / ORVIBO Zigbee / TUYA Zigbee / 1-10V dim, etc.



KP series stretching embedded contour spotlight has the features of flexible rotation and precisely projection, supporting vertical 90° rotation and horizontal 355° rotation. (As shown below)

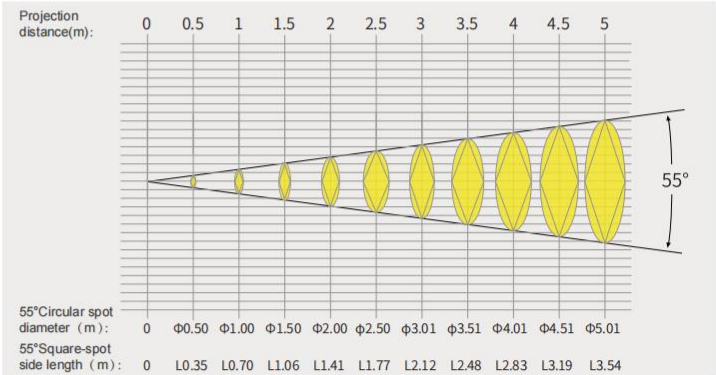
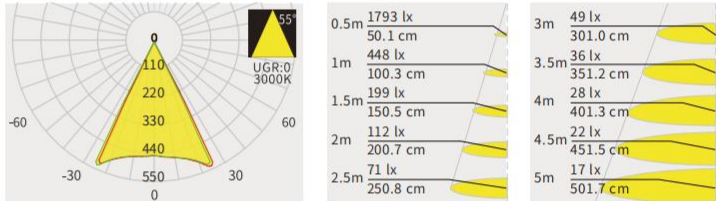


D1070K-3836B



Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	G.W.	Casing color
D1070K	10W	300~350LM	Ra≥97	2700K/3000K/4000K	15°~36°	nonsupport	0.49Kg	Black/white

D1070K-3855



Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	G.W.	Casing color
D1070K	10W	300~350LM	Ra≥97	2700K/3000K/4000K	55°	nonsupport	0.42Kg	Black/white



KP series embedded contour gimbal light



KP series embedded contour gimbal light (G1075K , G2095K , G30125K) has equipped with our latest developed 55° fixed-focus wide-angle optical lens and 15 ~ 36 ° constant zoom optical lens. Compatible with ϕ 75mm , ϕ 95mm, ϕ 125mm cutout gimbal radiator, excellent performance.

- Ultra-high-definition projection.
- Millimeter-level precise Spot shaping, uniform illumination.
- Fixed-focus / zoom lens can be switched arbitrarily (It truly integrates fixed-focus optics and zoom optics mutually. Maximize the optical properties of fixed-focus and zoom lens).

Applications

Museum, art gallery, home decoration, hotel, restaurant, machine vision lighting and other creative commercial lighting.

Dimming and CCT changing via Smart Control

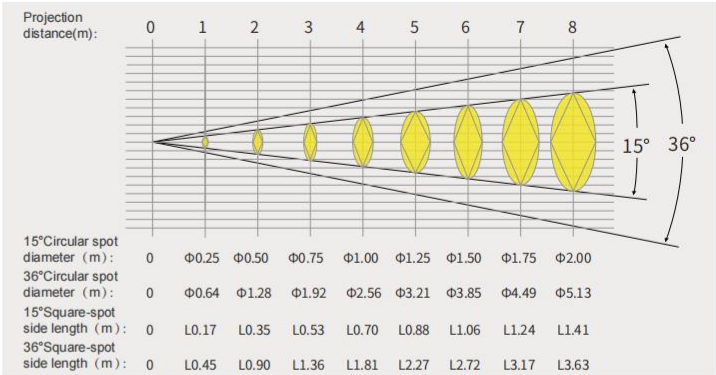
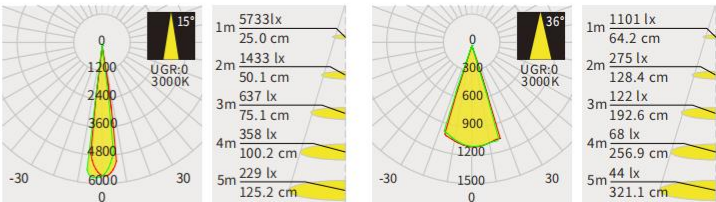
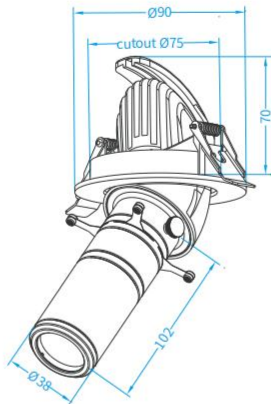
Single / tunnable white via MIJIA / TUYA Bluetooth / TMALL / TIGIDIGITAL / DALI / ORVIBO Zigbee / TUYA Zigbee / 1-10V dim, etc.



KP series embedded contour gimbal light has the features of flexible rotation and precisely projection, supporting vertical 60° rotation and horizontal 355° rotation. (As shown below)

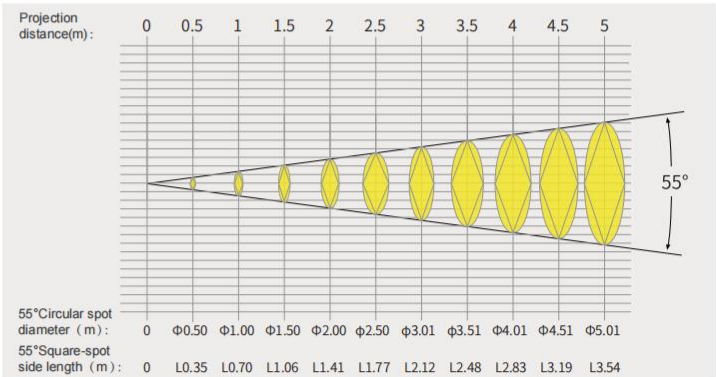
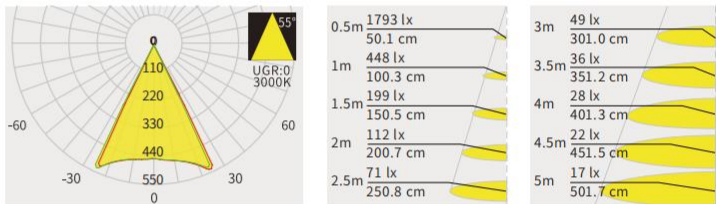
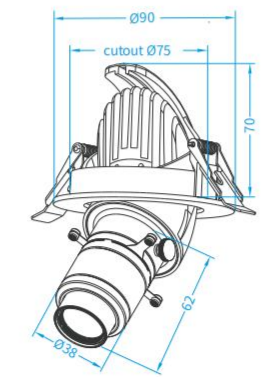


G1075K-3836B



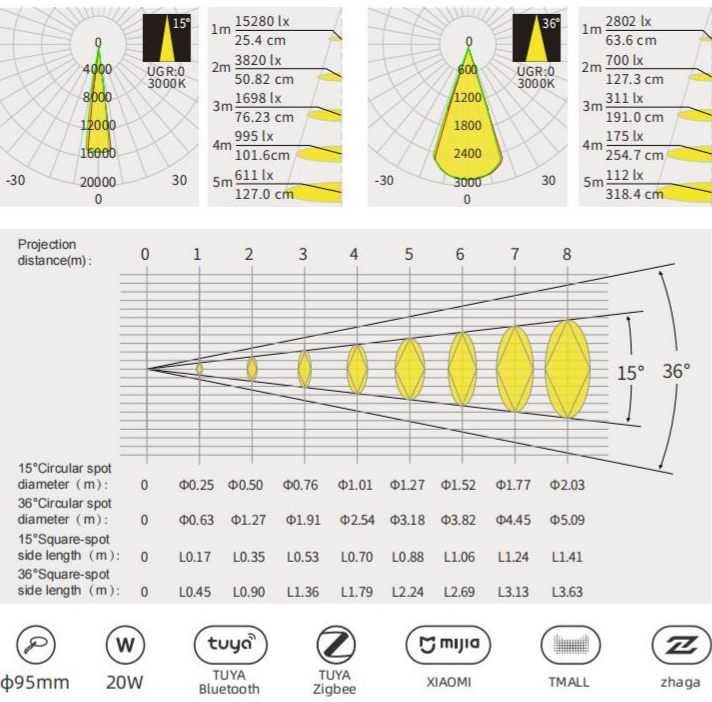
Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	G.W.	Casing color
G1075K	10W	300~350LM	Ra≥97	2700K/3000K/4000K	15°~36°	nonsupport	0.49Kg	Black/white

G1075K-3855



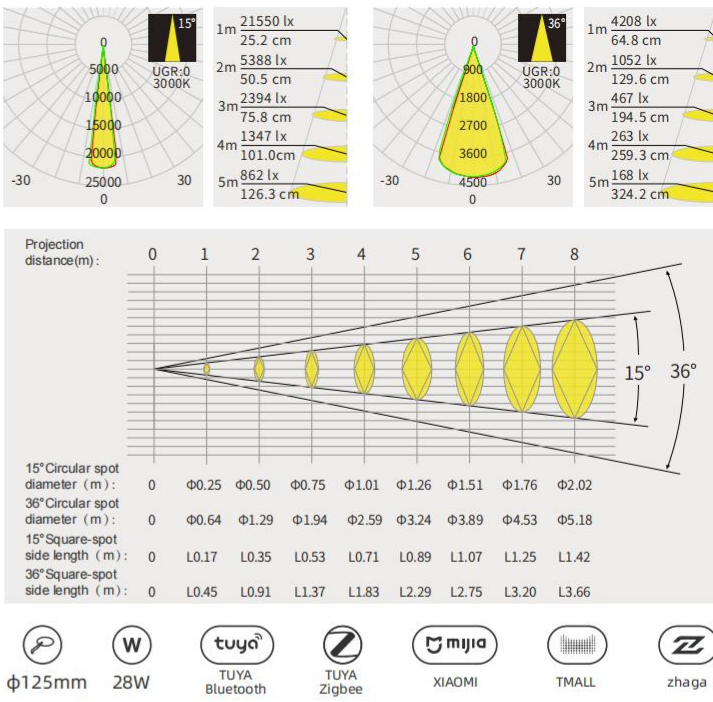
Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	G.W.	Casing color
G1075K	10W	300~350LM	Ra≥97	2700K/3000K/4000K	55°	nonsupport	0.40Kg	Black/white

G2095K-4836B



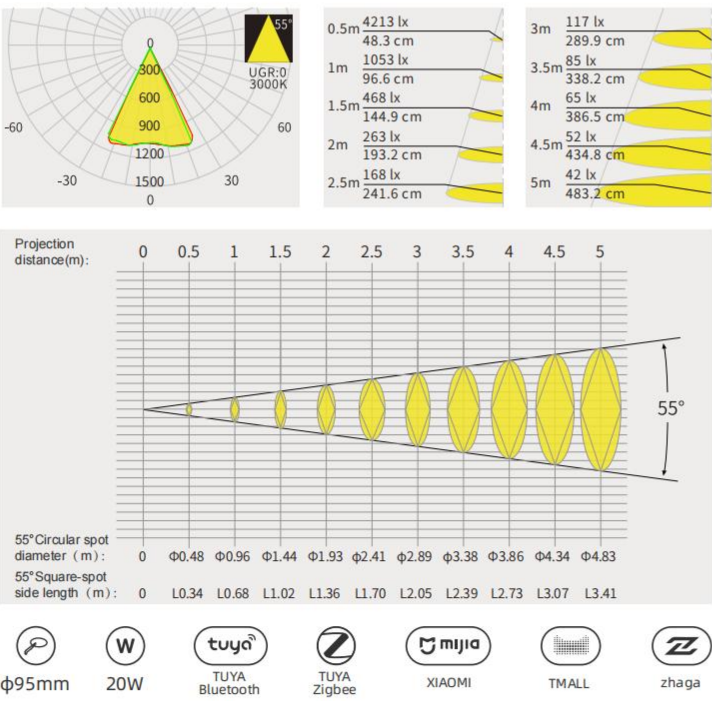
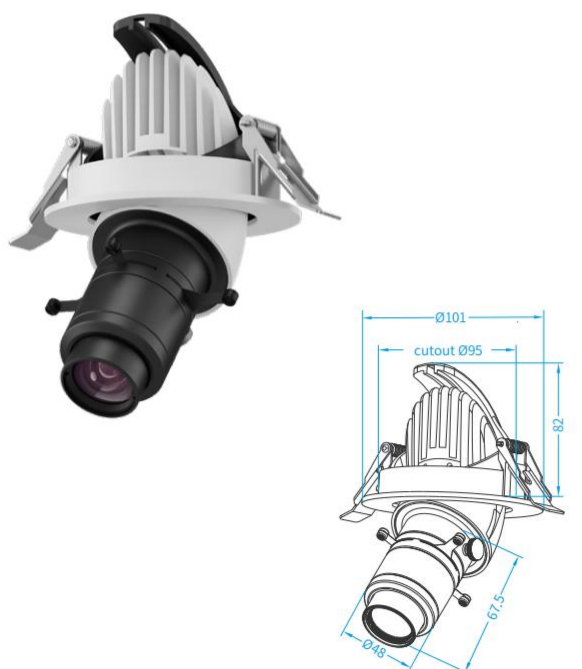
Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	Casing color
G2095K	20W	850~900LM	Ra≥97	2700K/3000K/4000K	15°~36°	nonsupport	Black/white

G30125K-5836B



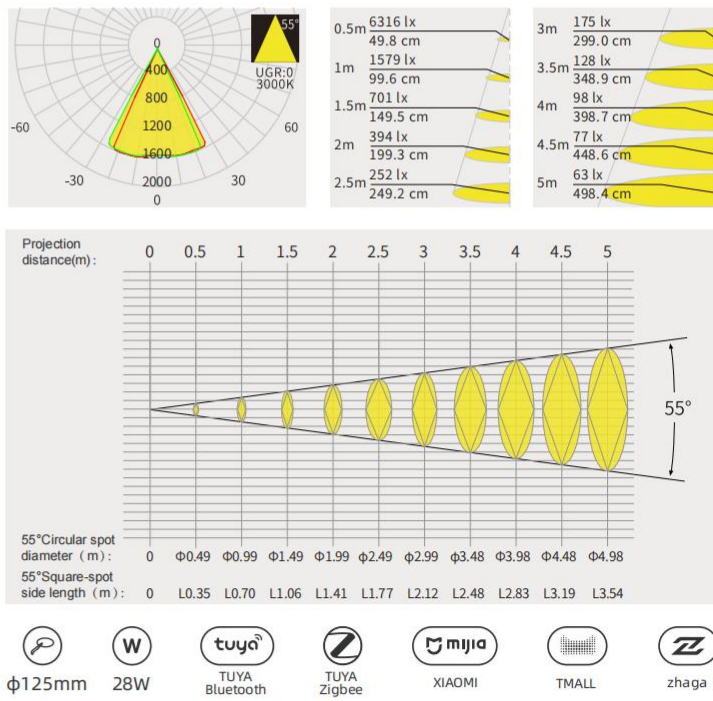
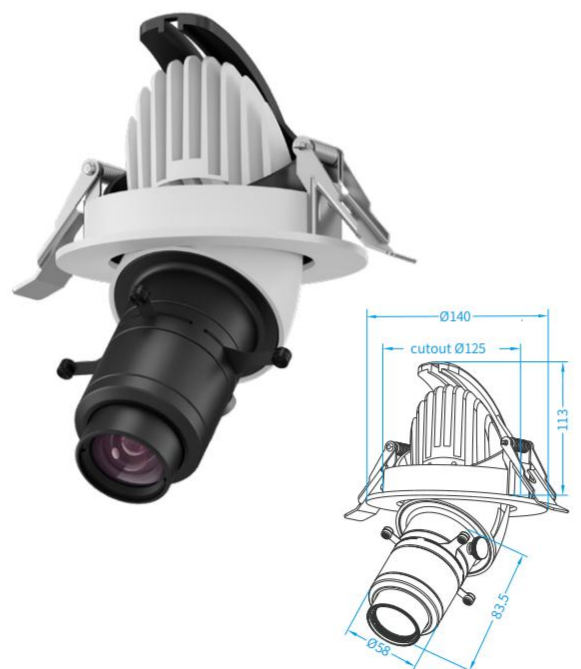
Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	Casing color
G30125K	28W	1100~1300LM	Ra≥97	2700K/3000K/4000K	15°~36°	nonsupport	Black/white

G2095K-4855



Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	Casing color
G2095K	20W	800~850LM	Ra≥97	2700K/3000K/4000K	55°	nonsupport	Black/white

G30125K-5855



Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	Casing color
G30125K	28W	1100~1200LM	Ra≥97	2700K/3000K/4000K	55°	nonsupport	Black/white



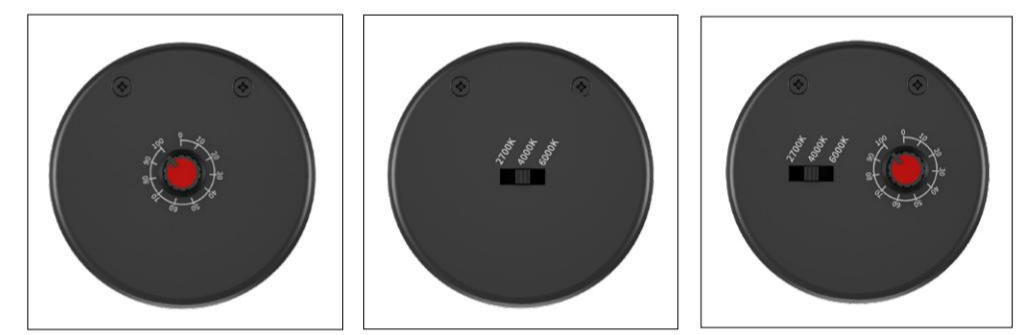
KP full series contour spotlights belong to the II generation optical products, which have the following characteristics compared with I generation.

- 1.The four sides with the same sharp, square spot or rectangular spot can be achieved on all four sides of the same sharpness.
- 2.Full-size zoom (15-36, frame size 1:0.26-0.63) and large wide-angle (55 degrees, frame size 1:1) , frame shaping and GOBO projection are both available. It can be used for lighting and high-definition projection.
- 3.Dust-free at all focal lengths. no matter sharp or soft light state, are not in the display of stray points, no distortion, no blue edge.



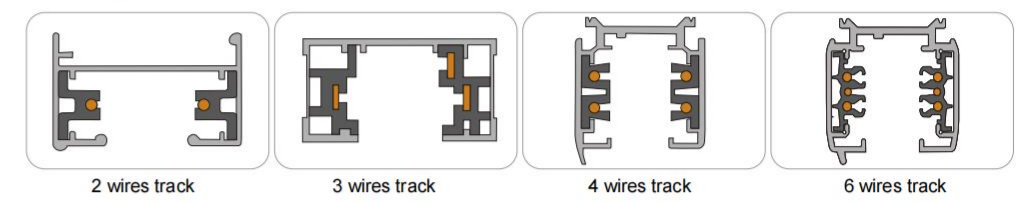
The module built-in driver control methods are generally the following

- a, Single lamp 0-10V knob dimming module features continuous dimming
- b, DIP select color temperature module
2700K/4000K/6000K
3000K/4000K/5700K
- c, DIP CCT + 0-10V knob dimming



The KP series shapeable track light has the features of flexible rotation and precisely projection, supporting vertical 355° rotation and horizontal 355° rotation. (As shown below)

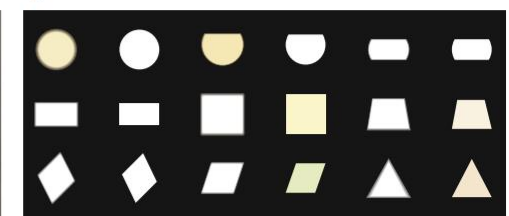
Track Support



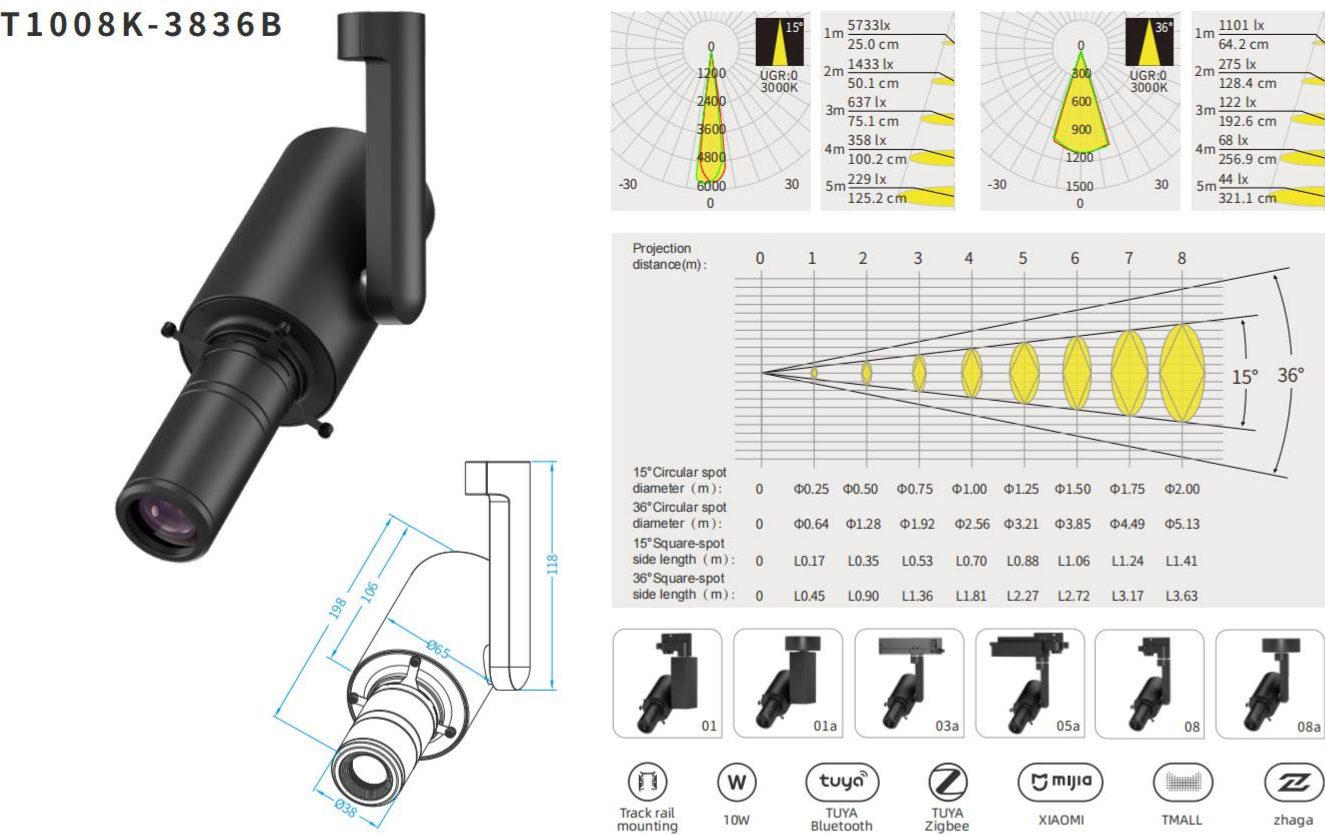
Installation effect



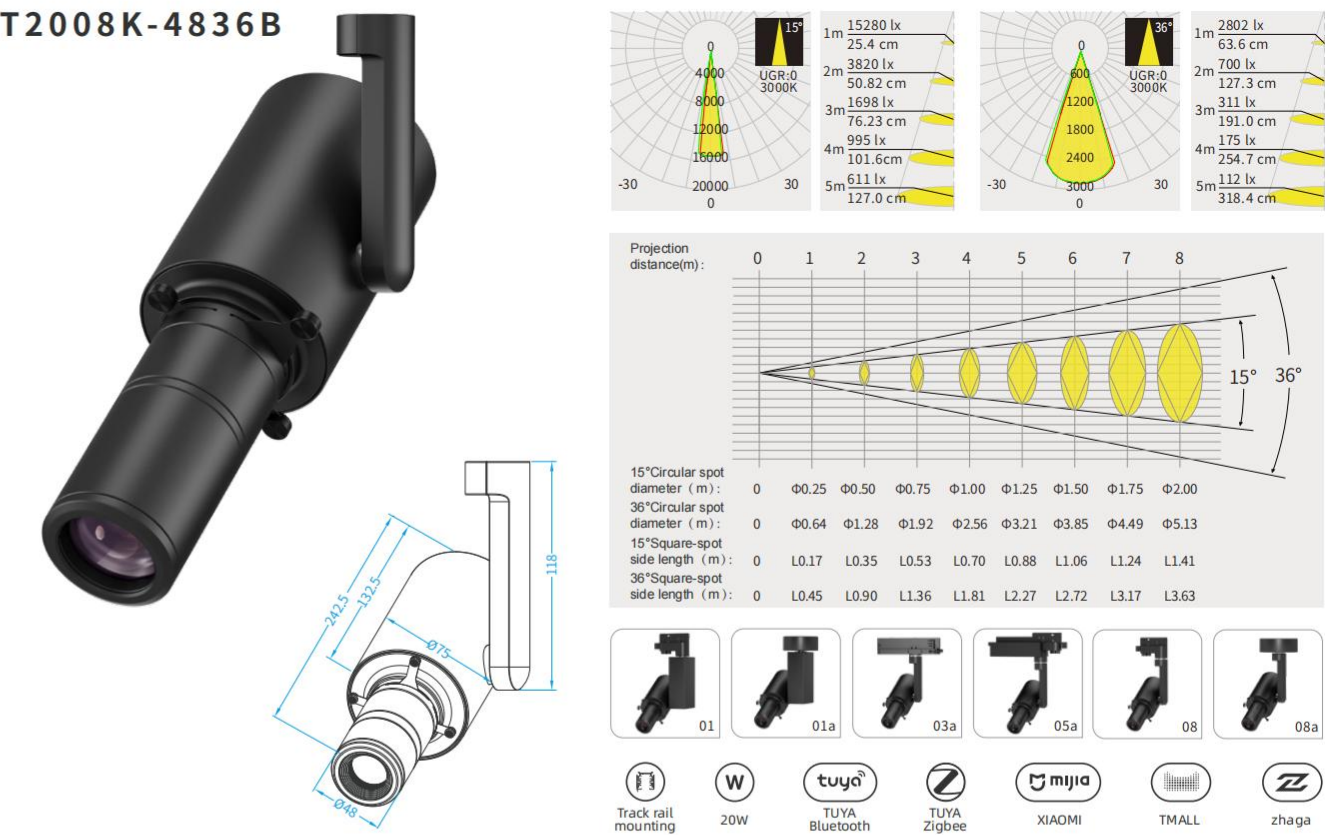
Spot effect



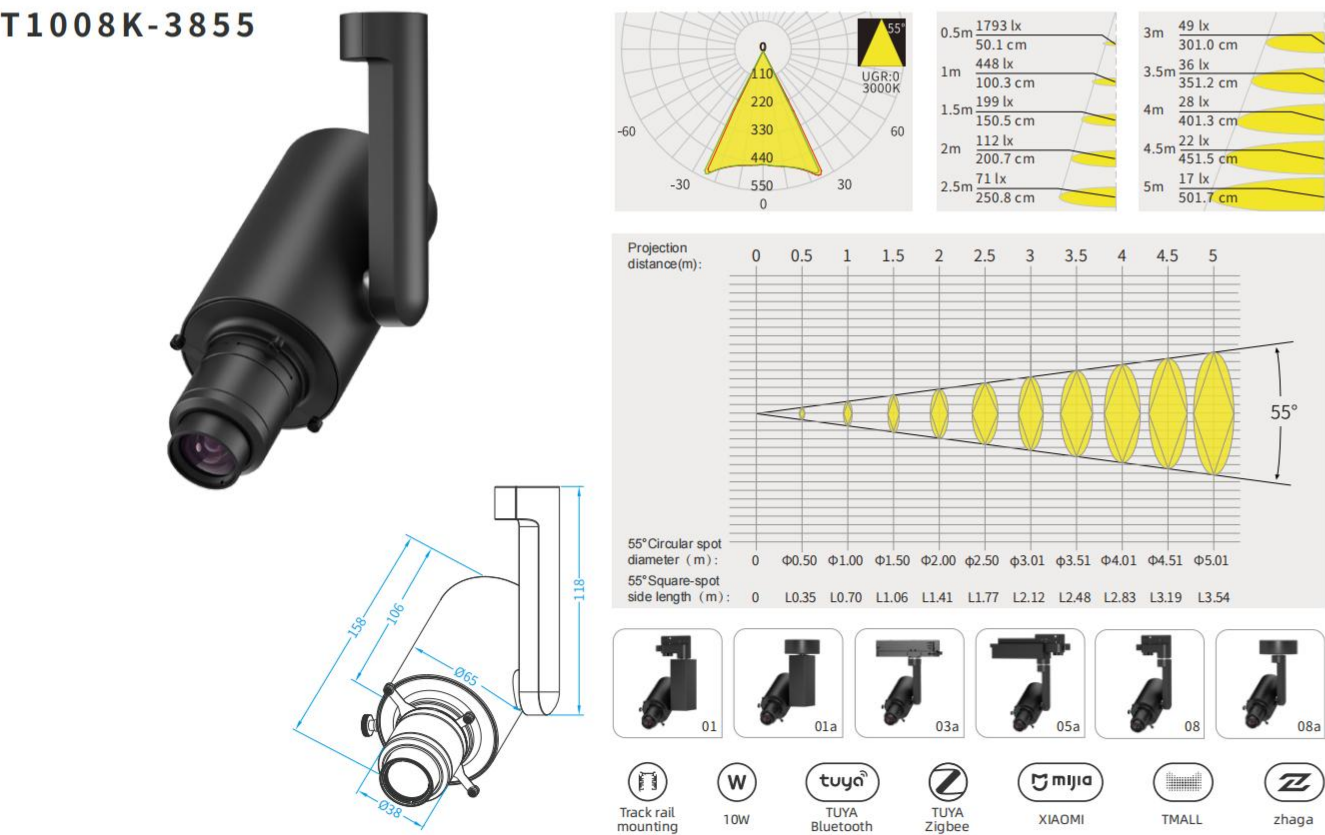
T1008K-3836B



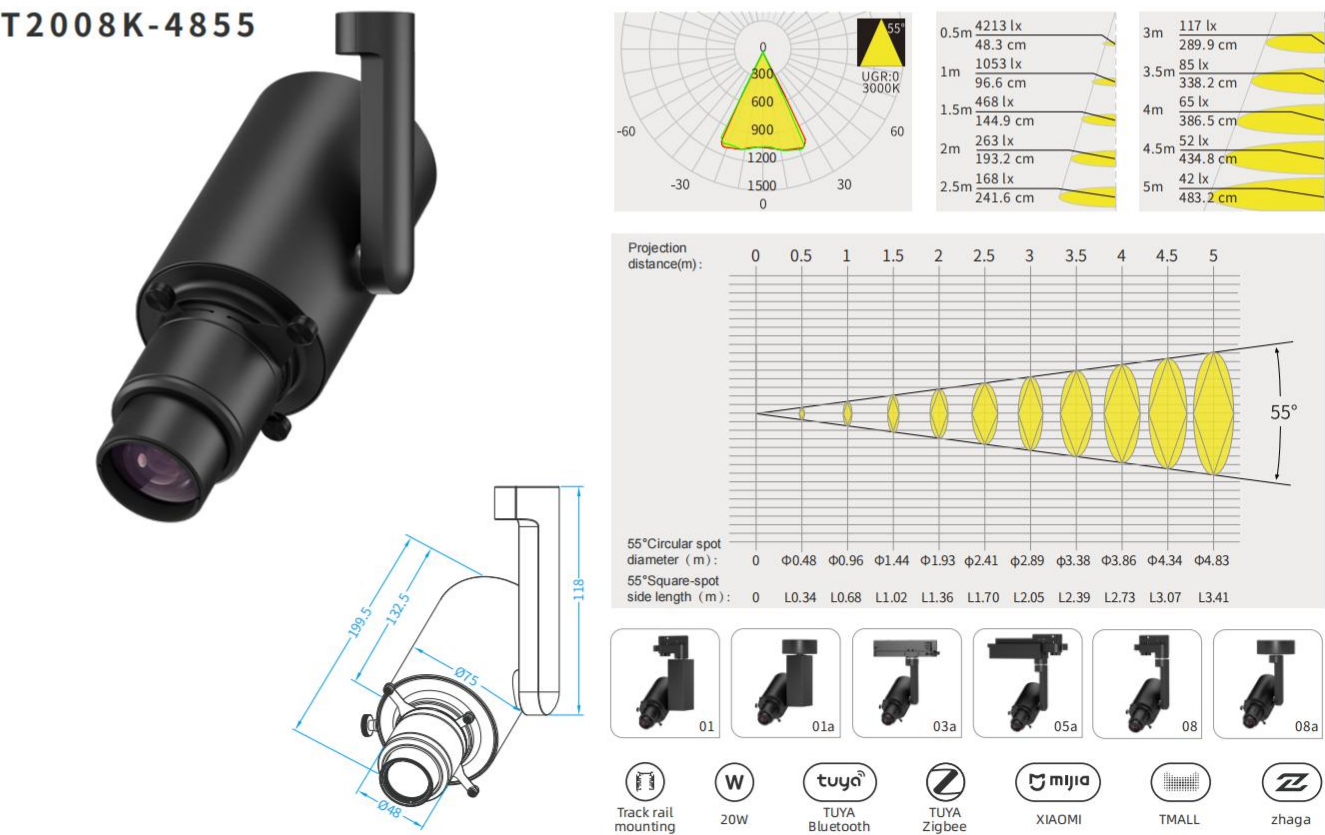
T2008K-4836B



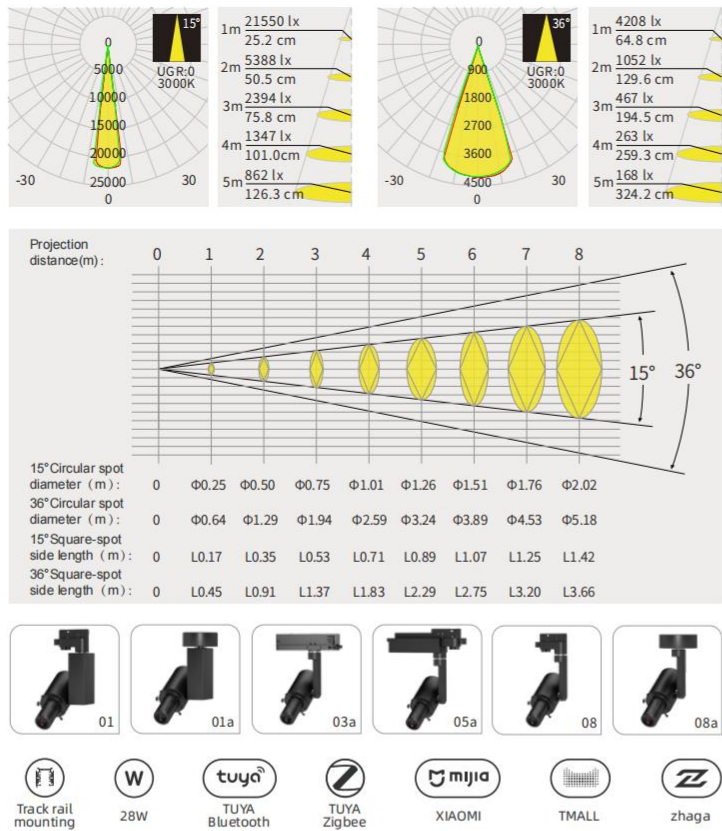
T1008K-3855



T2008K-4855

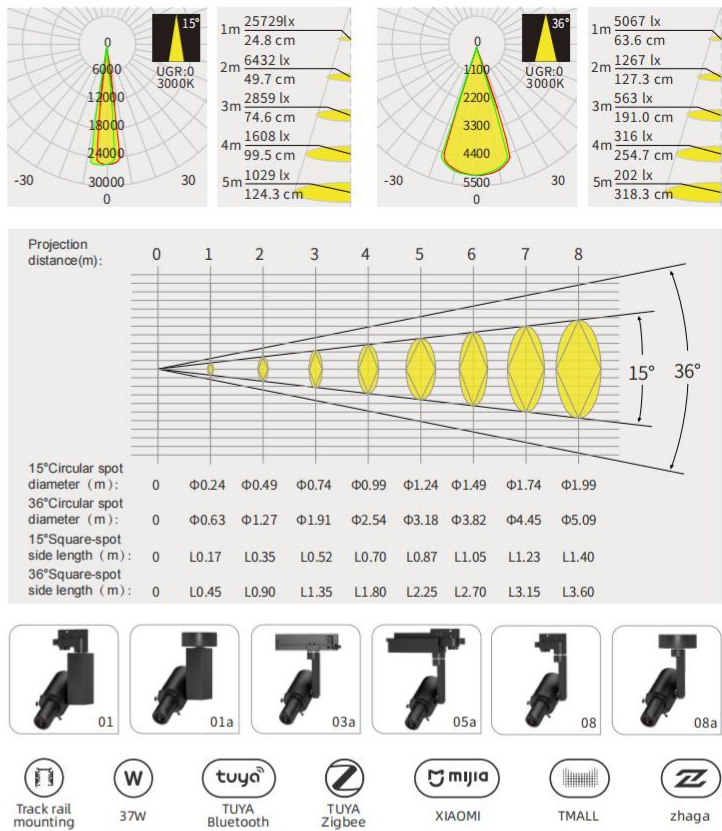


T3008K-5836B



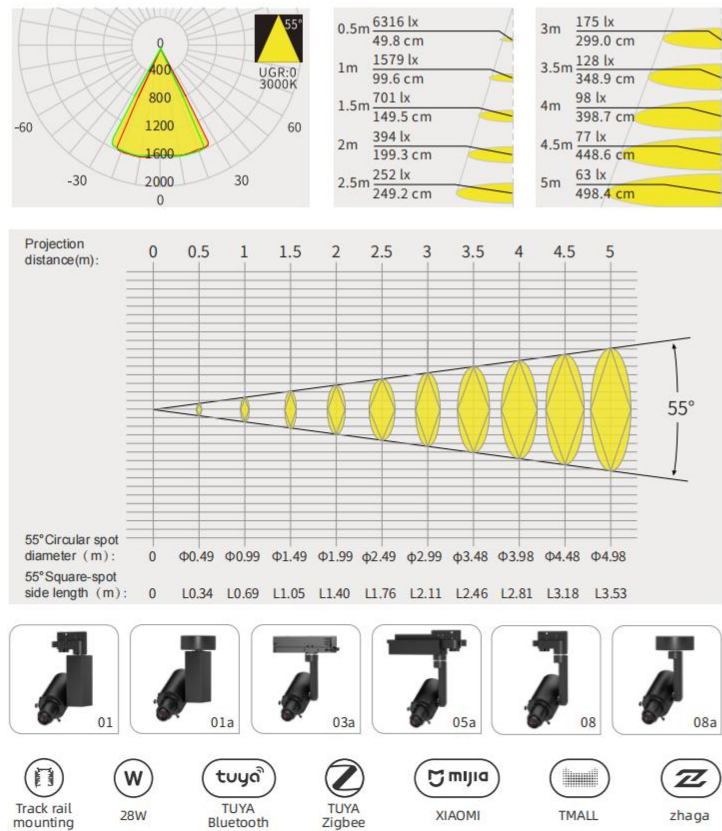
Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	Casing color
T3008K	28W	1100~1300LM	Ra≥97	2700K/3000K/4000K	15°~36°	Support	Black/white

T4008K-5836B



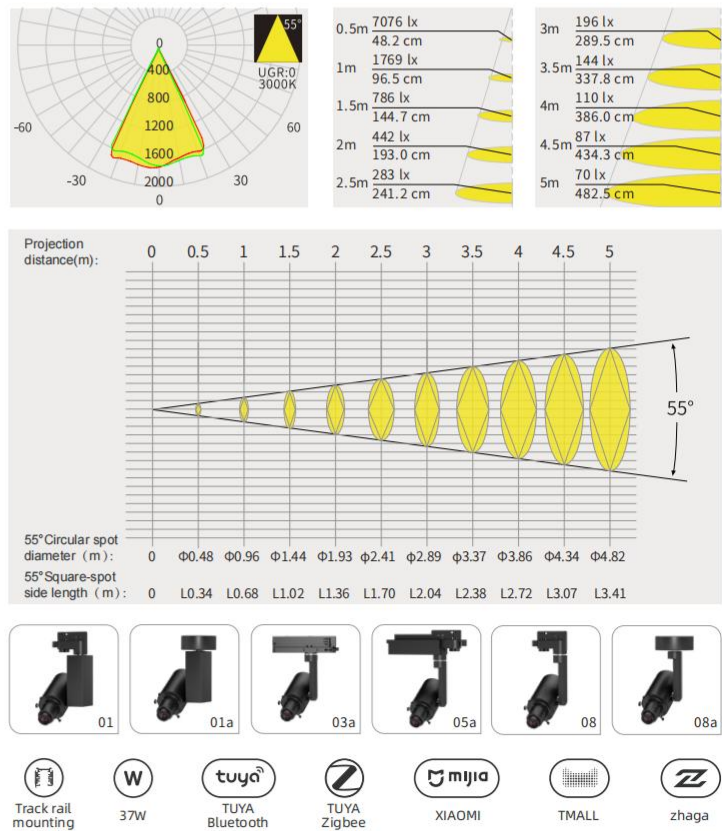
Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	Casing color
T4008K	37W	1400~1550LM	Ra≥97	2700K/3000K/4000K	15°~36°	Support	Black/white

T3008K-5855



Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	Casing color
T3008K	28W	1100~1200LM	Ra≥97	2700K/3000K/4000K	55°	Support	Black/white

T4008K-5855



Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	Casing color
T4008K	37W	1350~1450LM	Ra≥97	2700K/3000K/4000K	55°	Support	Black/white



BESUN 倍晟[®]
DQ series shapeable track light

From the spiritual level, human metaphors and pursuits for light appear countless times in those great paintings, pieces of literature, film, television, and sculpture. They become the precious spiritual wealth of mankind. If light can be used to tell a story, then the only limitation is the imagination of the storyteller himself.

DQ zoom shapeable track light. Frame size 1:0.65

DQ fixed-focus shapeable track light. Frame size 1:1



DQ zoom shapeable track light. Frame size 1:0.65

DQ fixed-focus shapeable track light. Frame size 1:1



(fixed-focus version)



(Zoom version)

Industrial Grade Optical Filters

It can match a variety of industrial-grade optical filters and support the customization of special narrowband and ultra narrowband optical filters. Some filter functions can be superimposed, such as HD UV+color filter, HD UV+soft filter, amongst others.



Diffuser



ND filter



Color filter



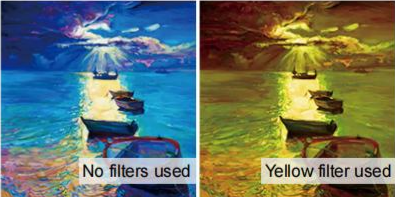
CPL filter



UV filter

GND filter

Color filter



The luminous color of the lamp can be adjusted according to your needs.

ND filter



With electronic dimming, the small-angle illumination can be reduced to less than 75LUX, which is generally used for authentic lighting.

UV filter



It can effectively filter UV rays in LED lamps and lanterns, thus protecting the illuminated object. It delivers superior performance in silk products lighting and cultural relics lighting.

CPL filter



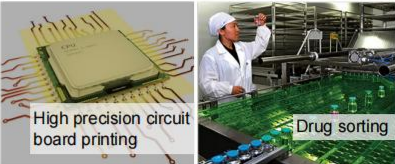
It can eliminate the reflection of the object's surface so that the object in a high luminosity environment can also display its original appearance.

GND filter



GND filter are used to alter the light ratio into the lens. For example, in illuminating the oblique side of the square position of the object, the use of gradient filters allows the even and constant illumination of the object.

Other filter



Various filters in special bands can be customized according to your actual needs. They can be used in various unique places, such as wafer cutting, high-precision circuit board printing, and drug sorting.

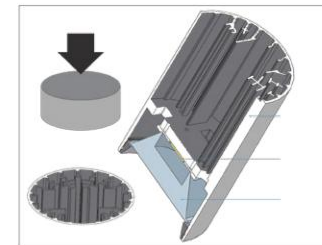
DQ zoom shapeable track light. Frame size 1:0.65
DQ fixed-focus shapeable track light. Frame size 1:1



① Cold forging integrated radiator design

A radiator made of 1070#pure aluminum and molded by molding pressure. It has high thermal conductivity, low-temperature differences, low light failure, and long service life.

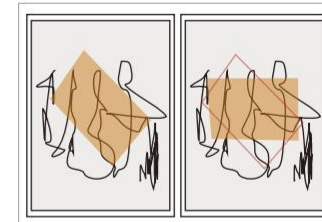
Thermal conductivity 226W/m.K



② 360° manual rotation design

Loosen the manual screw and turn the lens to achieve the 360° spot rotation adjustment function.

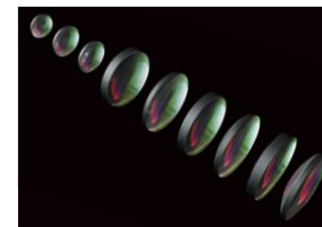
A device to solve the 360° rotation of the projection and light spot.



③ High-definition optical lens design

It is formed by a plurality of high-definition coated optical lenses. The whole lamp has the characteristics of high luminous efficiency, high spot uniformity, minor distortion, extensive linear zoom range, good spot cut-off line, etc..

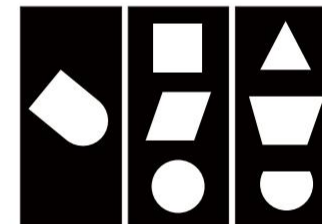
A new optical path specially designed for COB light sources.



④ Optical-grade variable aperture design

An optical diaphragm made of high-precision special material with no blurring and freezing.

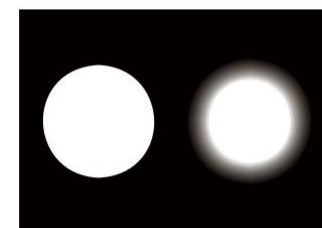
Manual insertion and removal of the light cutting device can freely change the shape of the spot.



⑤ Multi-layer dry damping design

The invention is a focusing device not requiring the application of lubricating oil and has a silky feel. It is stable, reliable, wear-resistant, resistant to high temperatures, and does not wear off after extended use.

Rotating the device can change the sharpness of the spot.



⑥ Bidirectional stepless linear zoom design

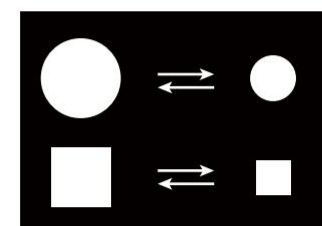
Short stroke, considerable focal length, high short-focus and long-focus recognition, visible to the naked eye, linear zoom is enhanced and more convenient.

Rotate the device to adjust the spot size.



Maximum angle

Minimum angle



⑦ VIP exclusive custom collar

Support VIP exclusive collar customization. The color can be customized according to customer preferences.

Available in Chinese red, crystal blue, dark night black, and ivory white.



Chinese red

Crystal blue

Dark night black

Ivory white

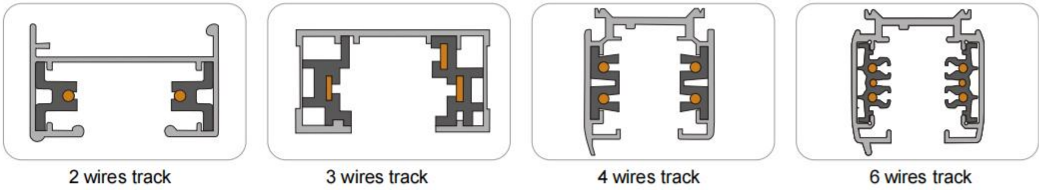
DQ series shapeable track light



DQ series shapeable light is a multi-functional product integrating light shape, zoom, projection and intelligent control. It is a product with completely independent intellectual property rights and global patents, which can adjust the shape, size and sharpness of the spot; the shape of the spot can be adjusted arbitrarily by blocking the light for imaging.



Track Support



Installation effect



Spot effect



DIP color temperature coupled with the single lamp knob dimming design can easily achieve single lamp dimming, spot shaping and color temperature adjustment. It can be used alone or can alternatively be equipped with other dimming devices.



Control support

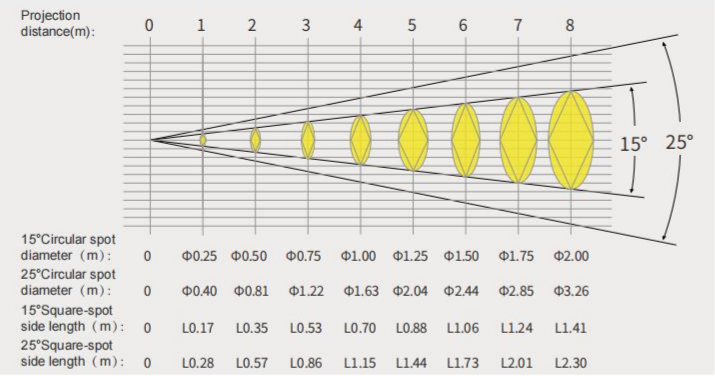
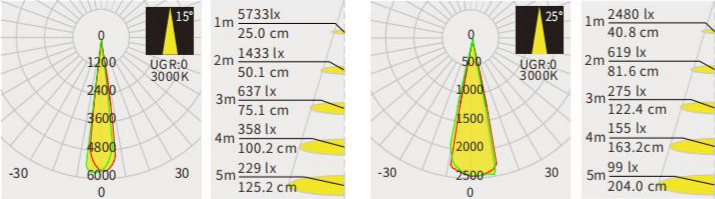


Support 1-10V, DMX, DALI, ZIGBEE, and other mainstream control. Can also be connected with Tuya, Amazon, Google, and other smart AI control systems.

Projection support

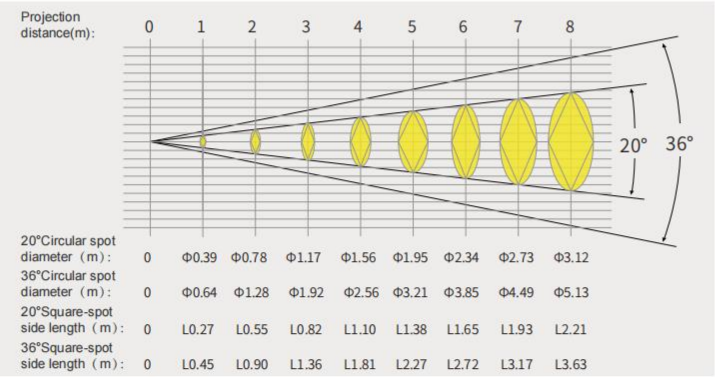
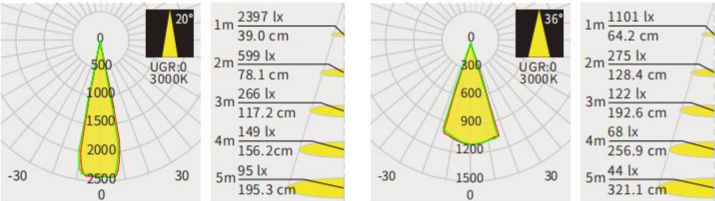


T1008S-4525SE



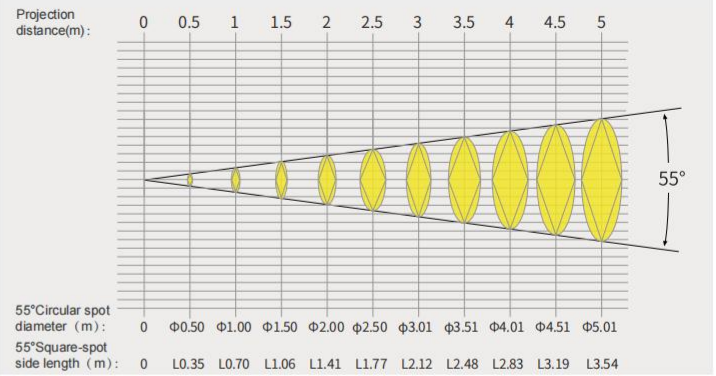
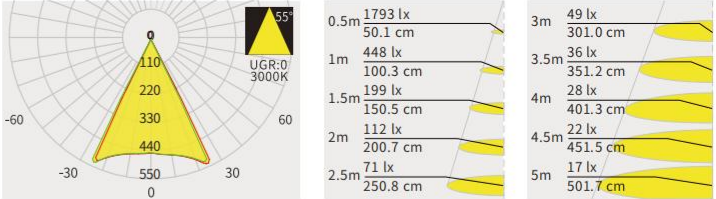
Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T1008S	10W	300~350LM	Ra≥97	2700K/3000K/4000K	15°~25°	Support	0.68Kg	37mm	Black/white

T1008S-4536SE



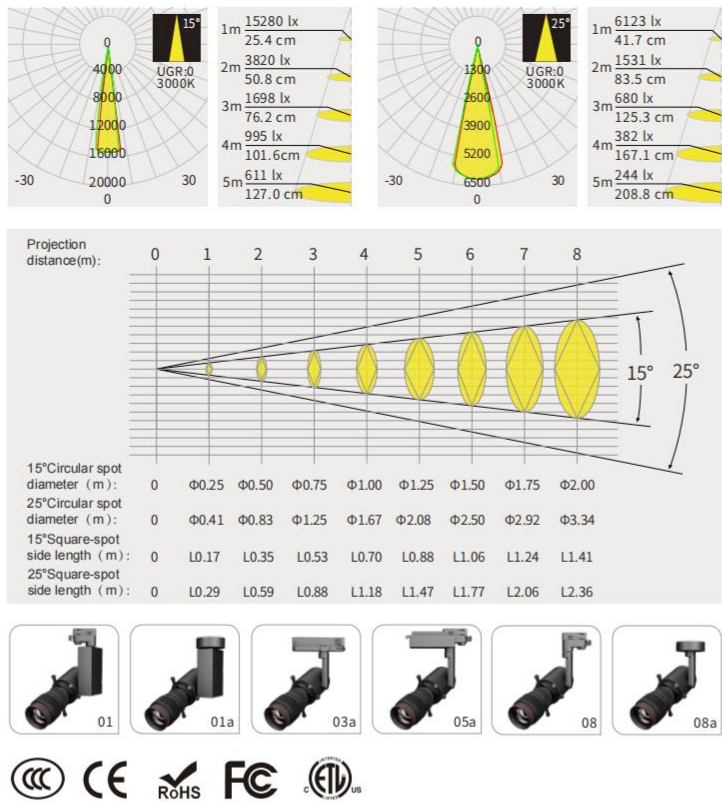
Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T1008S	10W	300~350LM	Ra≥97	2700K/3000K/4000K	20°~36°	Support	0.68Kg	37mm	Black/white

T1008S-4555



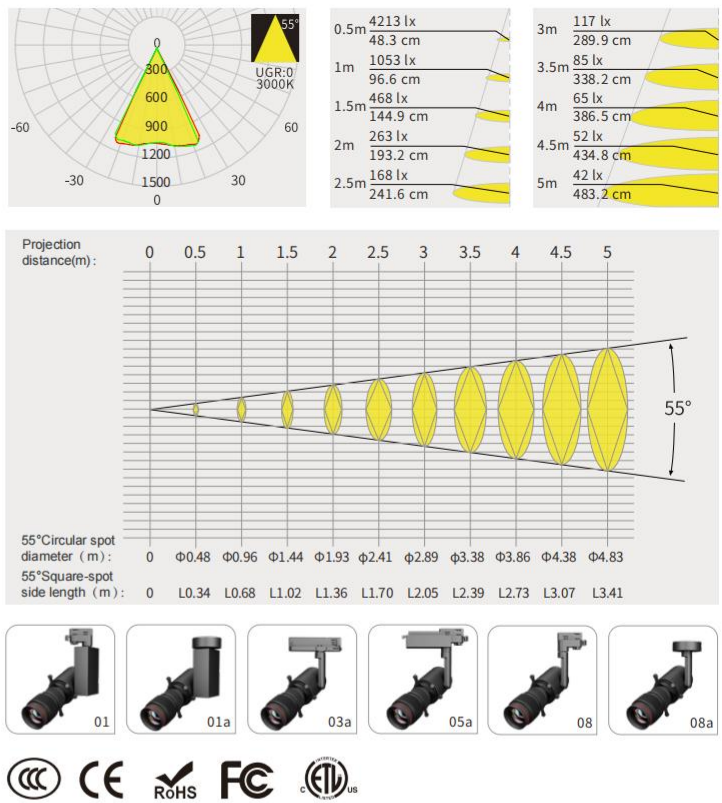
Model	Power	Luminous flux	Ra	Color temperature	Angle	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T1008S	10W	300~350LM	Ra≥97	2700K/3000K/4000K	55°	Support	0.67Kg	37mm	Black/white

T2008S-7525SE



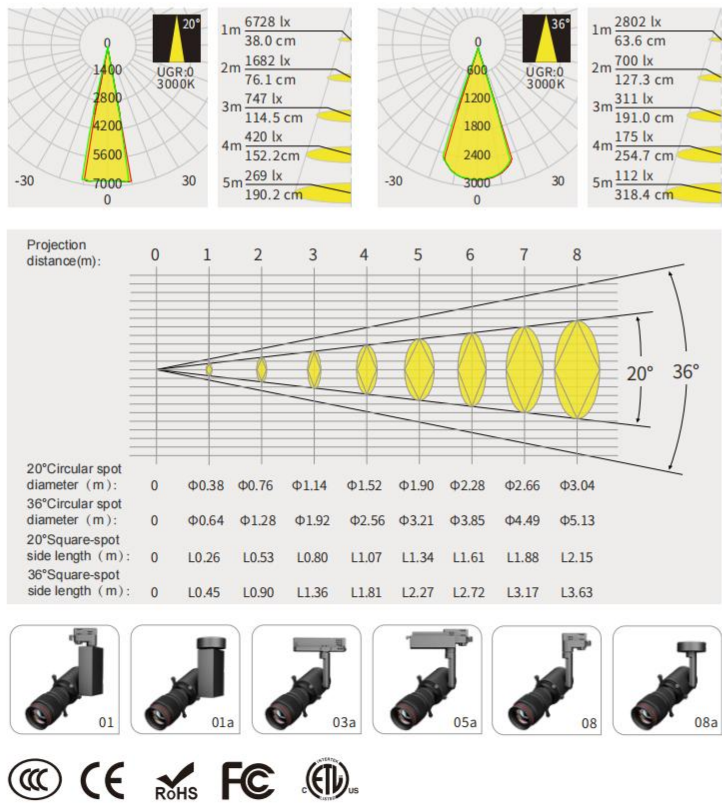
Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T2008S	20W	900~950LM	Ra≥97	2700K/3000K/4000K	15°~25°	Support	1.43Kg	67mm	Black/white

T2008S-7555



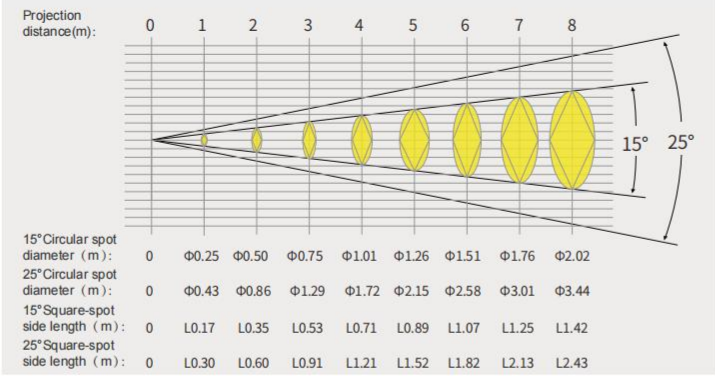
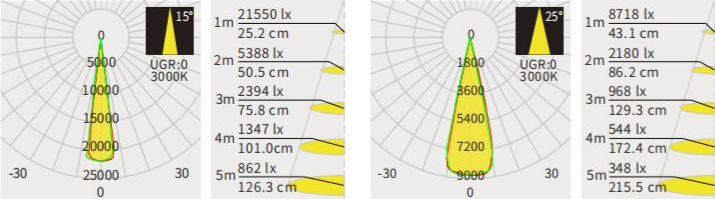
Model	Power	Luminous flux	Ra	Color temperature	Angle	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T2008S	20W	800~850LM	Ra≥97	2700K/3000K/4000K	55°	Support	1.41Kg	67mm	Black/white

T2008S-7536SE



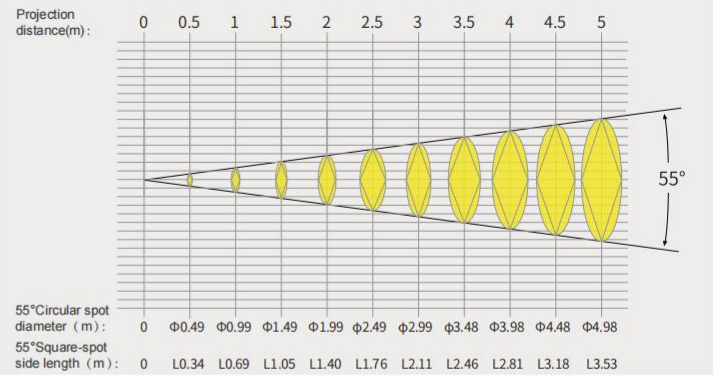
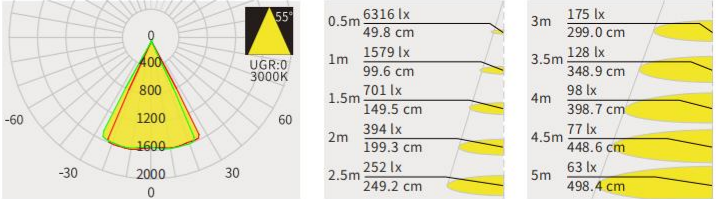
Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T2008S	20W	900~950LM	Ra≥97	2700K/3000K/4000K	20°~36°	Support	1.43Kg	67mm	Black/white

T3008S-7525SE



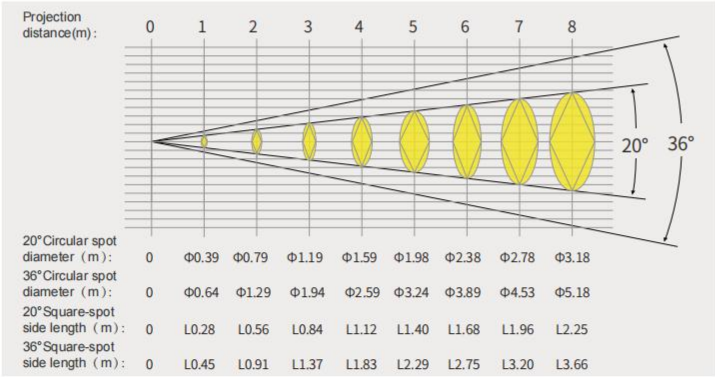
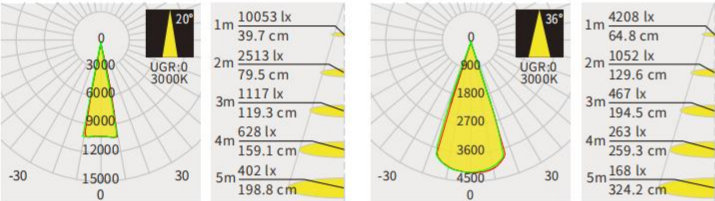
Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T3008S	28W	1100~1300LM	Ra≥97	2700K/3000K/4000K	15°~25°	Support	1.58Kg	67mm	Black/white

T3008S-7555



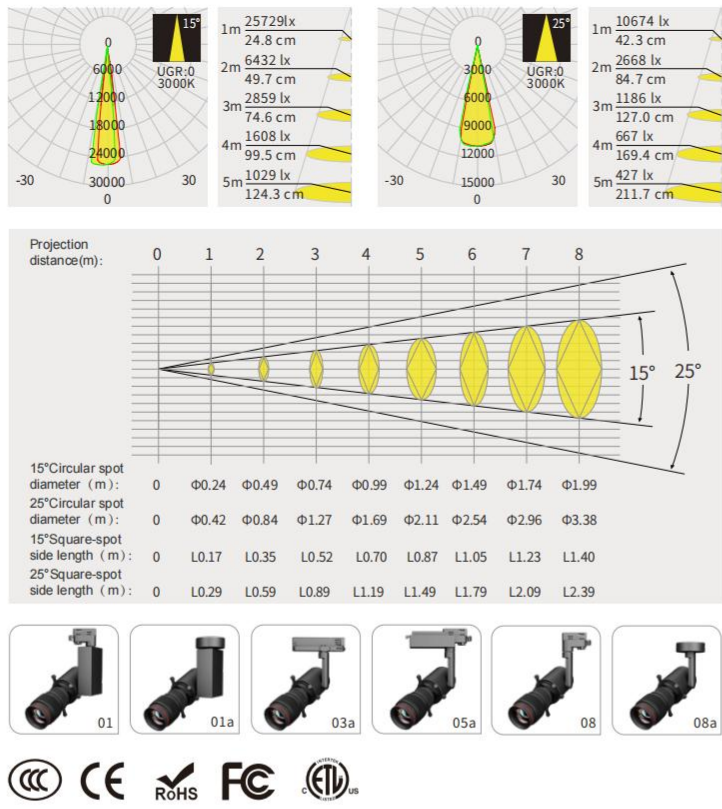
Model	Power	Luminous flux	Ra	Color temperature	Angle	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T3008S	28W	1100~1200LM	Ra≥97	2700K/3000K/4000K	55°	Support	1.56Kg	67mm	Black/white

T3008S-7536SE



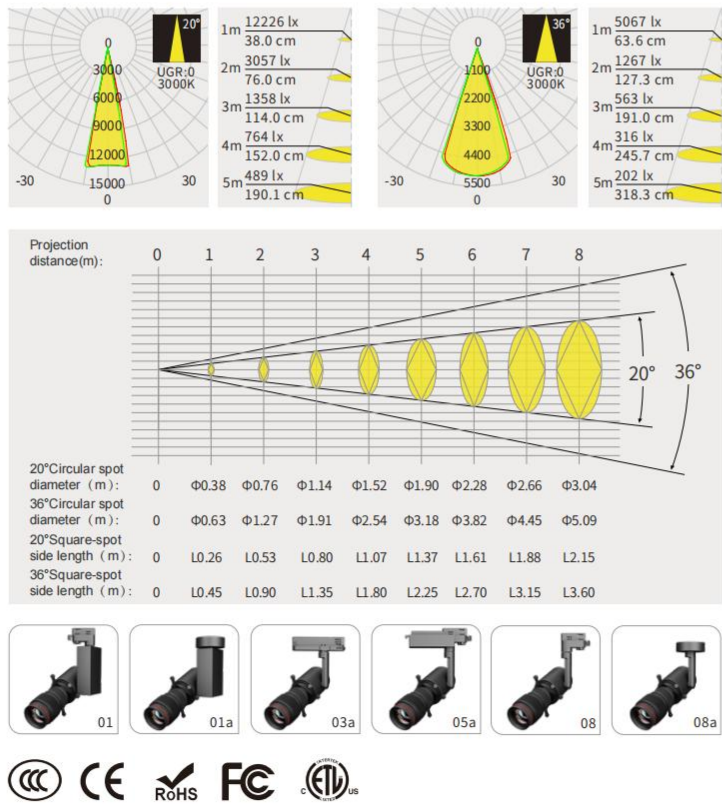
Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T3008S	28W	1100~1300LM	Ra≥97	2700K/3000K/4000K	20°~36°	Support	1.58Kg	67mm	Black/white

T4008S-7525SE



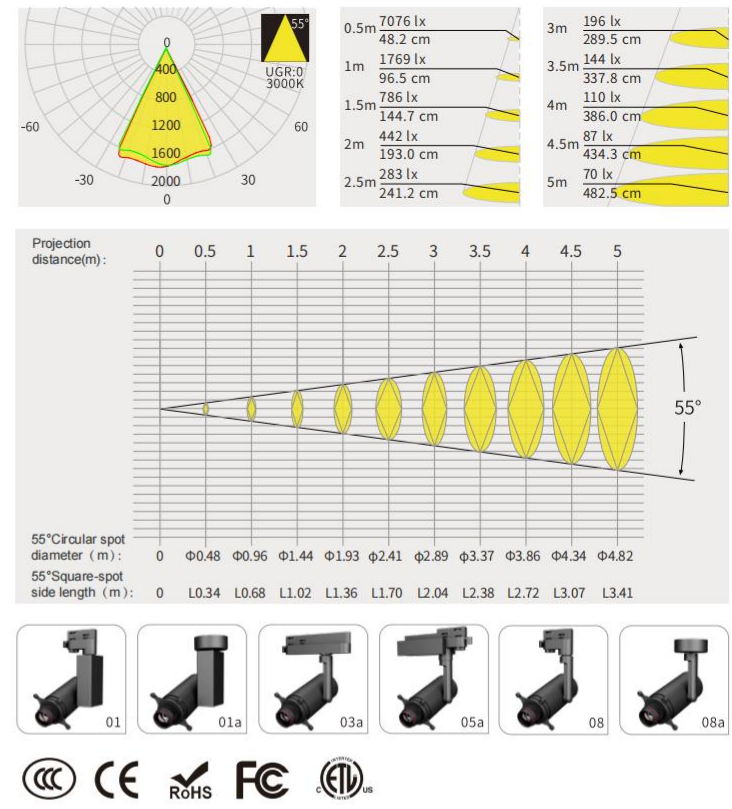
Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T4008S	37W	1400~1550LM	Ra≥97	2700K/3000K/4000K	15°~25°	Support	1.67Kg	67mm	Black/white

T4008S-7536SE

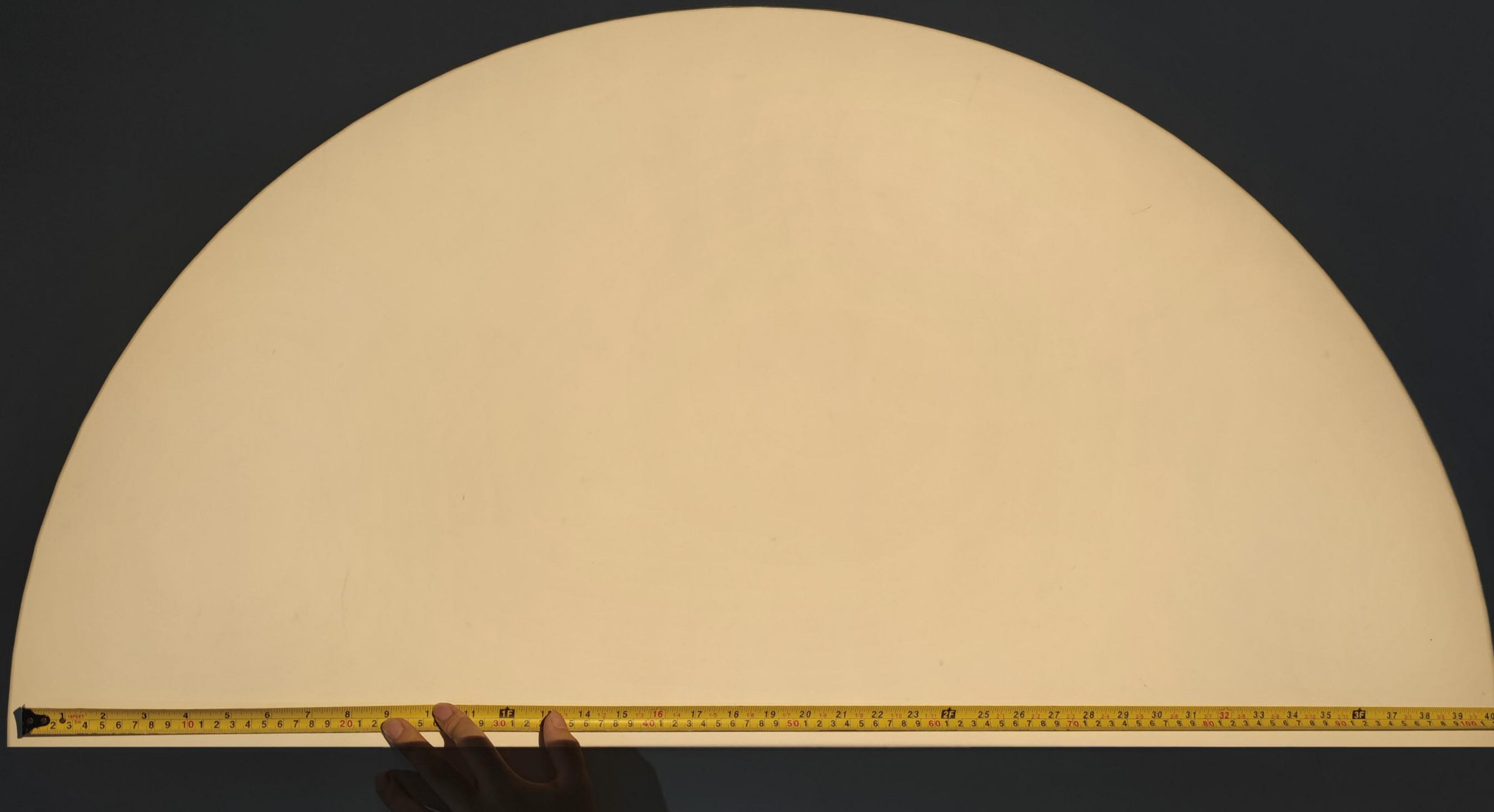


Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T4008S	37W	1400~1550LM	Ra≥97	2700K/3000K/4000K	20°~36°	Support	1.67Kg	67mm	Black/white

T4008S-7555



Model	Power	Luminous flux	Ra	Color temperature	Angle	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T4008S	37W	1350~1450LM	Ra≥97	2700K/3000K/4000K	55°	Support	1.65Kg	67mm	Black/white



BESUN 倍晟[®]
XQ series shapeable track light

**No blue edge, no distortion,
wide-angle spot shaping.
Frame Size 1:1**

We tend to think of round things as natural, organic, fluid, and soft, while square or angular things as technical, rational, digital, and hard. Light, especially straightforward light, reveals the material composition and surface state of matter and conveys the object's color, shape, and other information. Now, let's consider the shape of the illuminated space, the arrangement of objects, and their position with the space in terms of the dimensions of the square and circle.

No blue edge, no distortion,
wide-angle spot shaping.
Frame Size 1:1



Diffuser



Color filter



ND filter



CPL filter



UV filter

GND filter

UV filter



It can effectively filter UV rays in LED lamps and lanterns, thus protecting the illuminated object. It delivers superior performance in silk products lighting and cultural relics lighting.

CPL filter



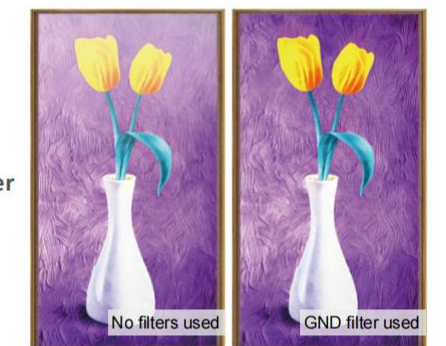
It can eliminate the reflection of the CPL filter so that the object in a high luminosity environment can also display its original appearance.

ND filter



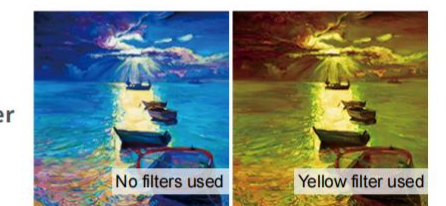
With electronic dimming, the small-angle illumination can be reduced to less than 75LUX, which is generally used for authentic lighting.

GND filter



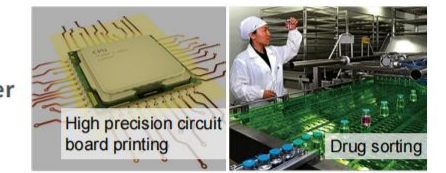
GND filter are used to alter the light ratio into the lens. For example, in illuminating the oblique side of the square position of the object, the use of gradient filters allows the even and constant illumination of the object.

Color filter



The luminous color of the lamp can be adjusted according to your needs.

Other filter



Various filters in special bands can be customized according to your actual needs. They can be used in various unique places, such as wafer cutting, high-precision circuit board printing, and drug sorting.

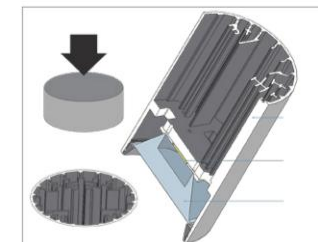
No blue edge, no distortion,
wide-angle spot shaping.
Frame Size 1:1



① Cold forging integrated radiator design

A radiator made of 1070#pure aluminum and molded by molding pressure. It has high thermal conductivity, low-temperature differences, low light failure, and long service life.

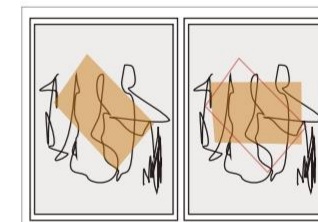
Thermal conductivity 226W/m.K



② 360° manual rotation design

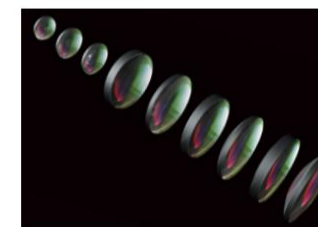
Loosen the manual screw and turn the lens to achieve the 360° spot rotation adjustment function.

Device to solve the 360° rotation of the projection and light spot.



③ High-definition optical lens design

It is formed by a plurality of high-definition coated optical lenses. The whole lamp has the characteristics of high luminous efficiency, high spot uniformity, minor distortion, extensive linear zoom range, good spot cut-off line, etc..
A new optical path specially designed for COB light sources.



④ Optical-grade variable aperture design

An optical diaphragm made of high-precision special material with no blurring and freezing.

Manual insertion and removal of the light cutting device can freely change the shape of the spot.



⑤ Bidirectional stepless linear zoom design

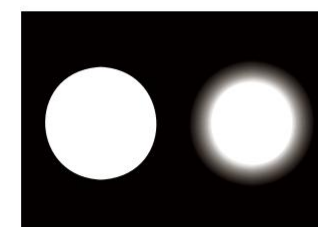
Short stroke, considerable focal length, high short-focus and long-focus recognition, visible to the naked eye, linear zoom is enhanced and more convenient.

Rotating the device can change the sharpness of the spot.



contraction state

Tensile state



⑥ VIP exclusive custom collar

Support VIP exclusive collar customization. The color can be customized according to customer preferences.

Available in Chinese red, crystal blue, dark night black, and ivory white.



Chinese red

Crystal blue

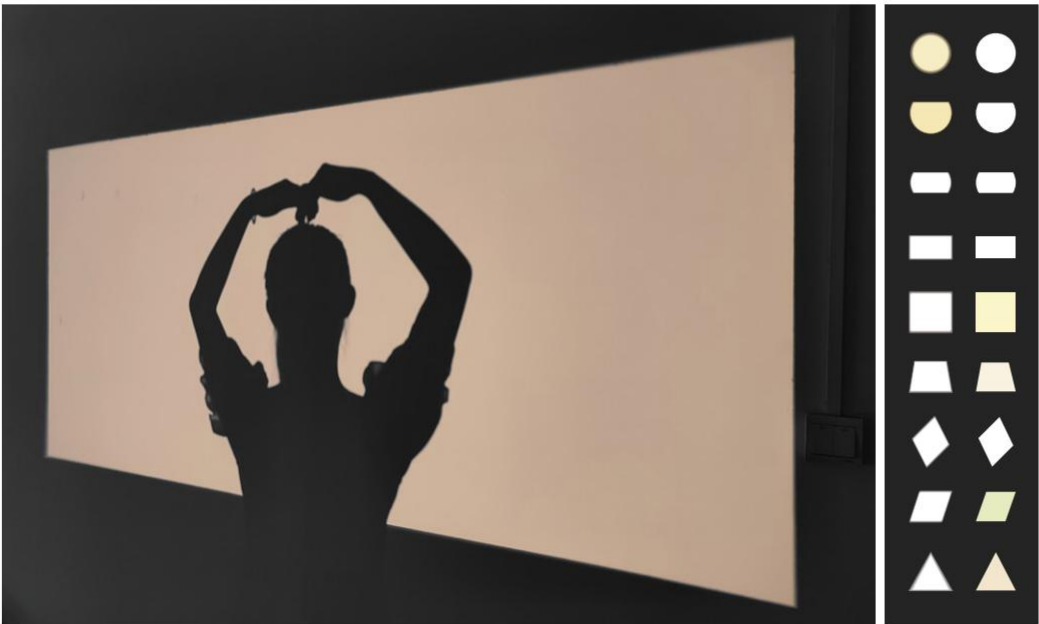
Dark night black

Ivory white

XQ series shapeable track light



XQ series shapeable track light is very powerful. Any of its functions is close to perfection. 55° sizeable wide-angle, no distortion, no blue edge, no color difference. It supports 4K high-definition projection. Equipped with EF bayonet, it can easily switch 55°. Equipped with a 3D dimmable diaphragm, No blue edge, no distortion, wide-angle spot shaping. .



DIP color temperature coupled with the single lamp knob dimming design can easily achieve single lamp dimming, spot shaping and color temperature adjustment. It can be used alone or can alternatively be equipped with other dimming devices.

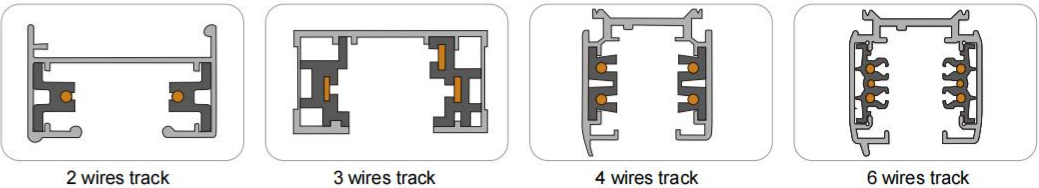


Control support

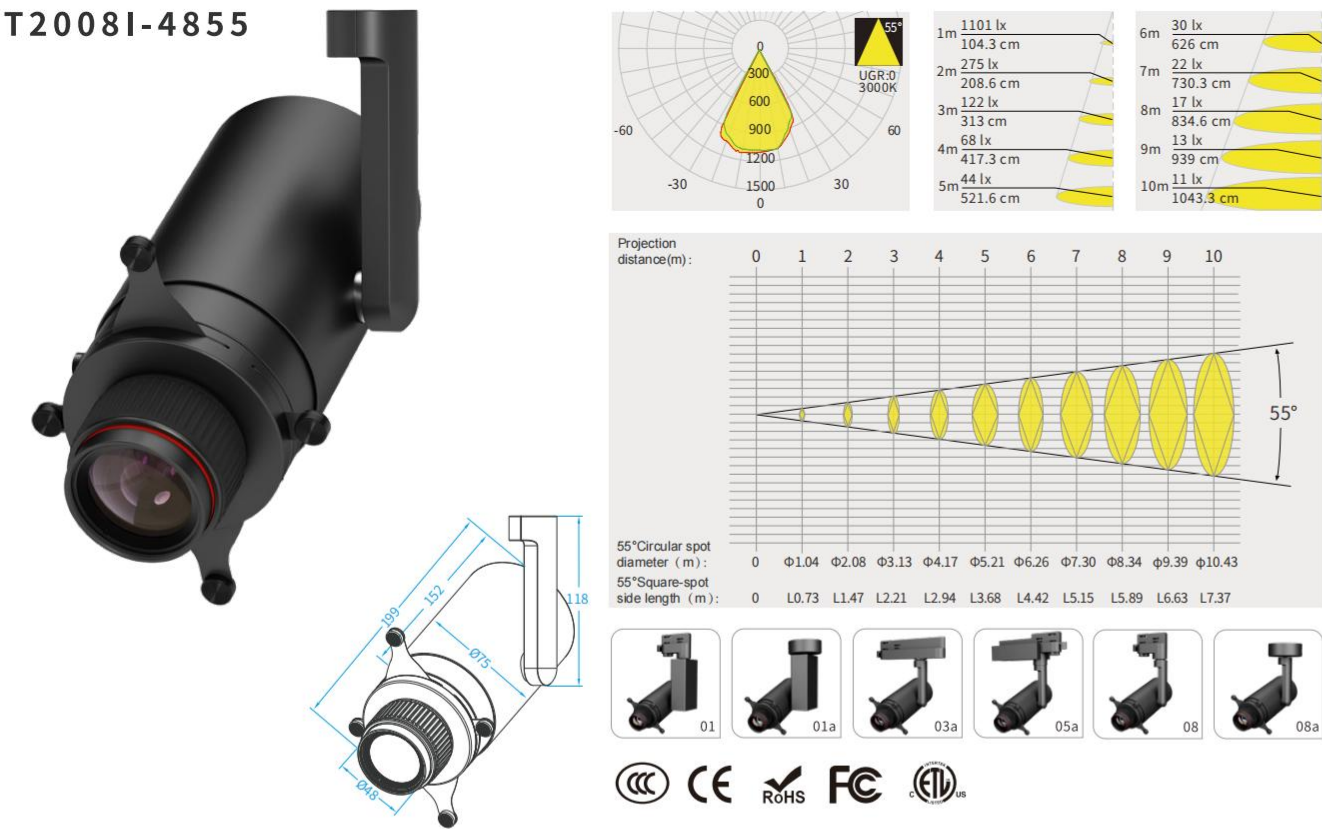


Support 1-10V, DMX, DALI, ZGEBI, and other mainstream control. Can also be connected with Huawei, Tuya, Xiaomi, Tmall Elf, Amazon, Google, and other smart AI control systems.

Track Support

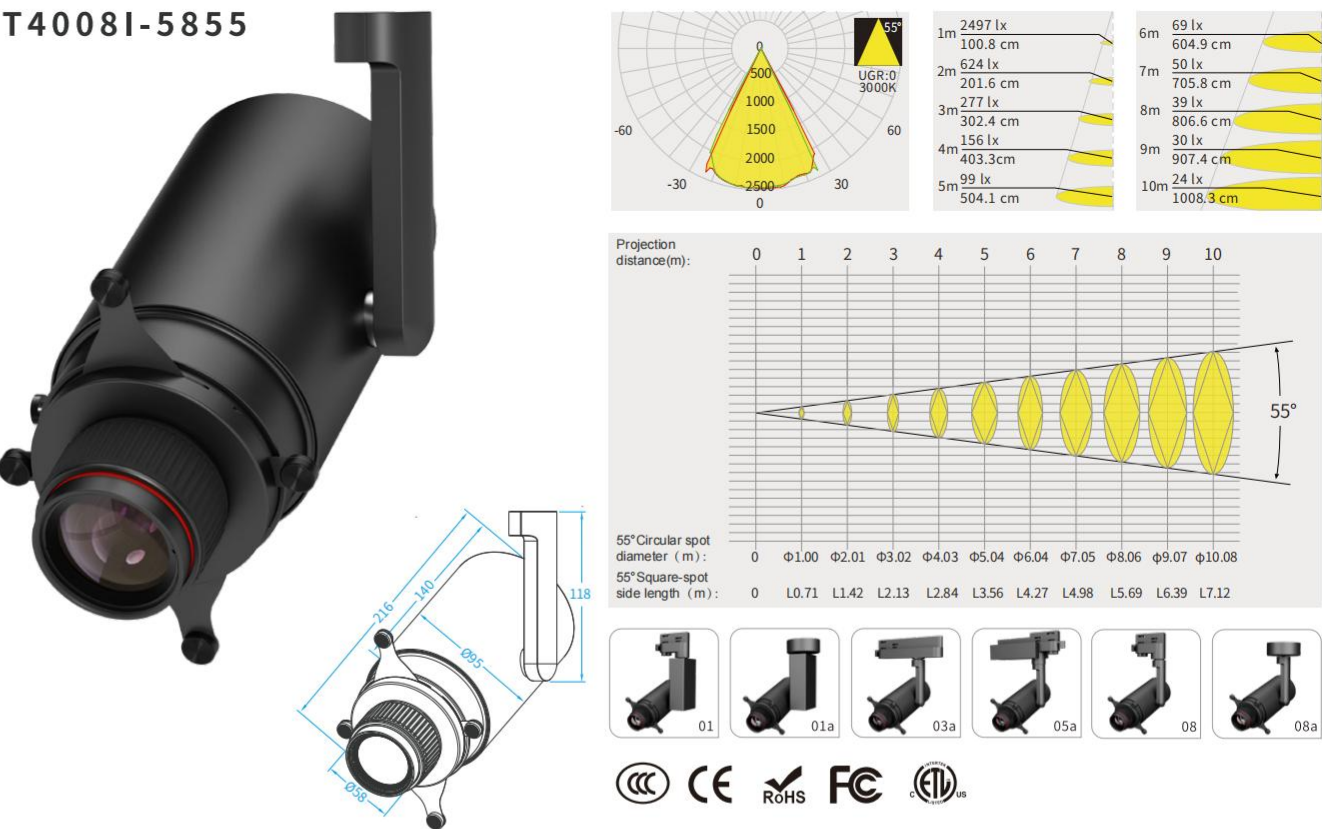


T2008I-4855



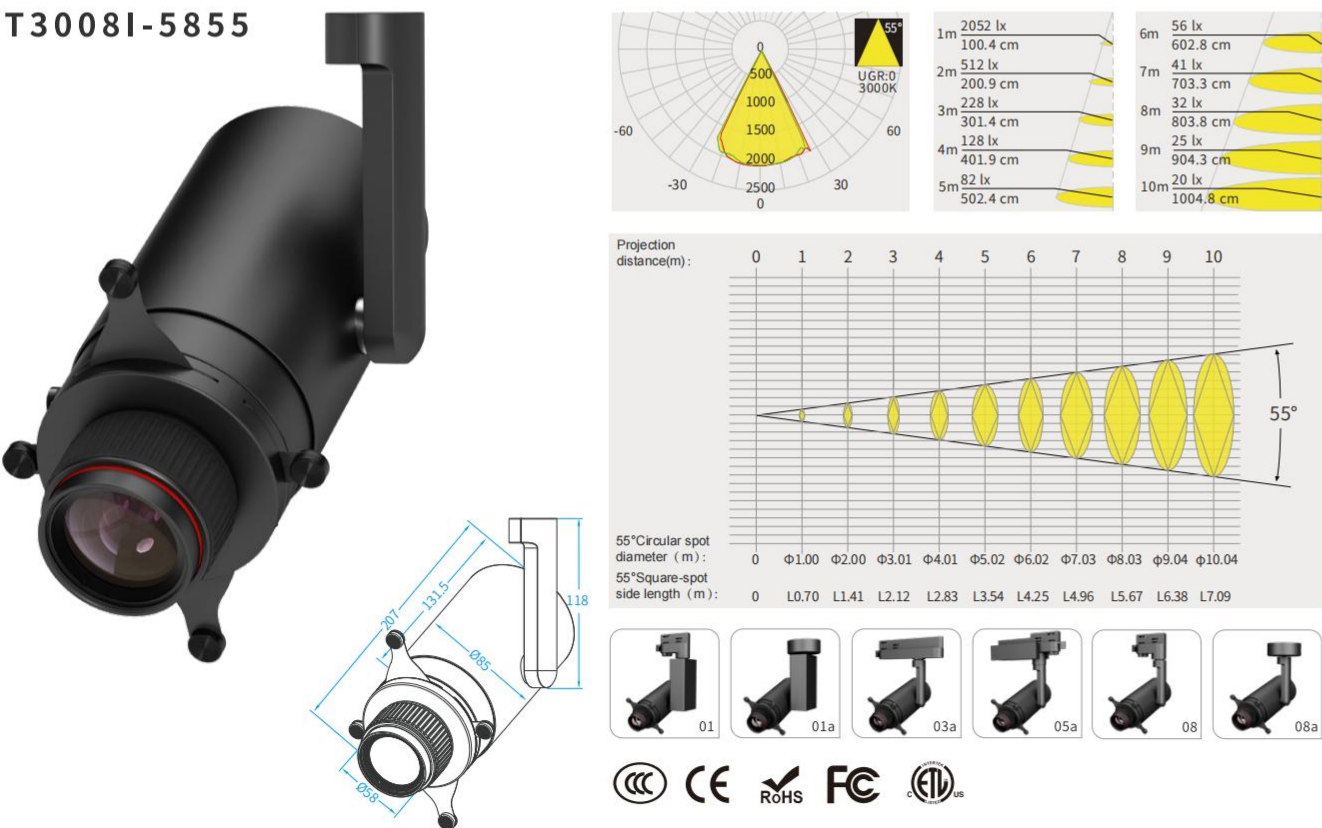
Model	Power	Luminous flux	Ra	Color temperature	angle	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T2008I	20W	650~800LM	Ra≥97	2700K/3000K/4000K	55°	Support	0.94Kg	40.5mm	Black/white

T4008I-5855



Model	Power	Luminous flux	Ra	Color temperature	angle	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T4008I	37W	1600~1800LM	Ra≥97	2700K/3000K/4000K	55°	Support	1.46Kg	49mm	Black/white

T3008I-5855



Model	Power	Luminous flux	Ra	Color temperature	angle	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T3008I	28W	1200~1500LM	Ra≥97	2700K/3000K/4000K	55°	Support	1.29Kg	49mm	Black/white