

KA Pro of Kirin Optical Platform


麒麟光学互换平台之KA Pro

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The background image shows a modern interior space, likely a showroom or office. It features large glass panels with dark frames, some of which have a textured, stone-like pattern. Track lighting is mounted on the ceiling, and a black reception desk is visible in the foreground. The overall aesthetic is clean and professional.

Why did HercuLux develop the KA Pro series of lenses?

The KA Pro is a major upgrade on the calculus-based technology. Compared to the KA series, the KA pro offers a significant increase in main center light intensity and efficiency.

KA Pro Series



Using the calculus technology, spot uniformity and cut-off

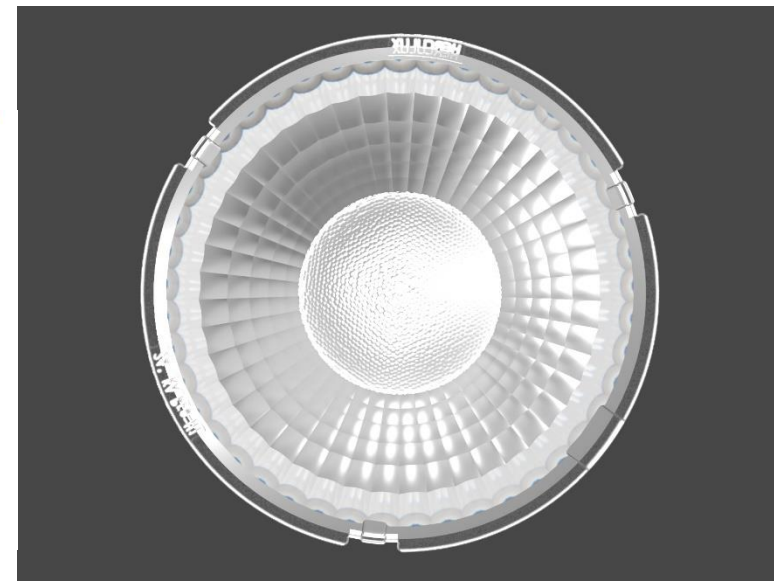
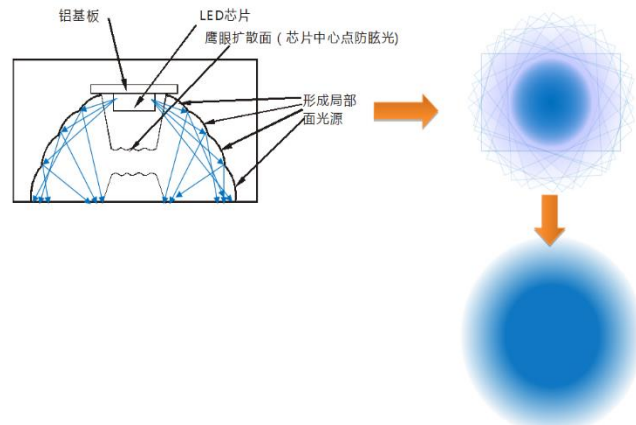
High CBCP

Higher Efficiency

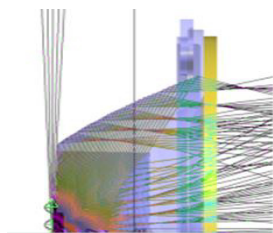
What is calculus technology?

Differential: light emitted by the light source, through the reflective surface of the scales for the division of differential processing, the formation of a number of sub-light sources (light source differential).

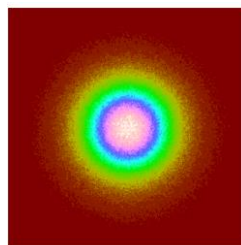
Integration: The light energy of several energy regions, after passing through the lens exit surface, the center overlap, rotating and superimposed as a main light spot.



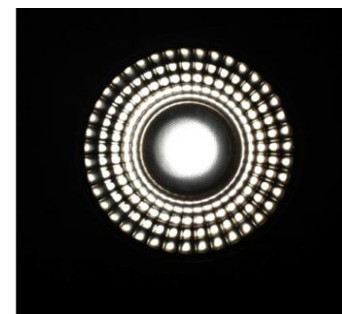
KA Pro



The light comes out in a rotating pattern.



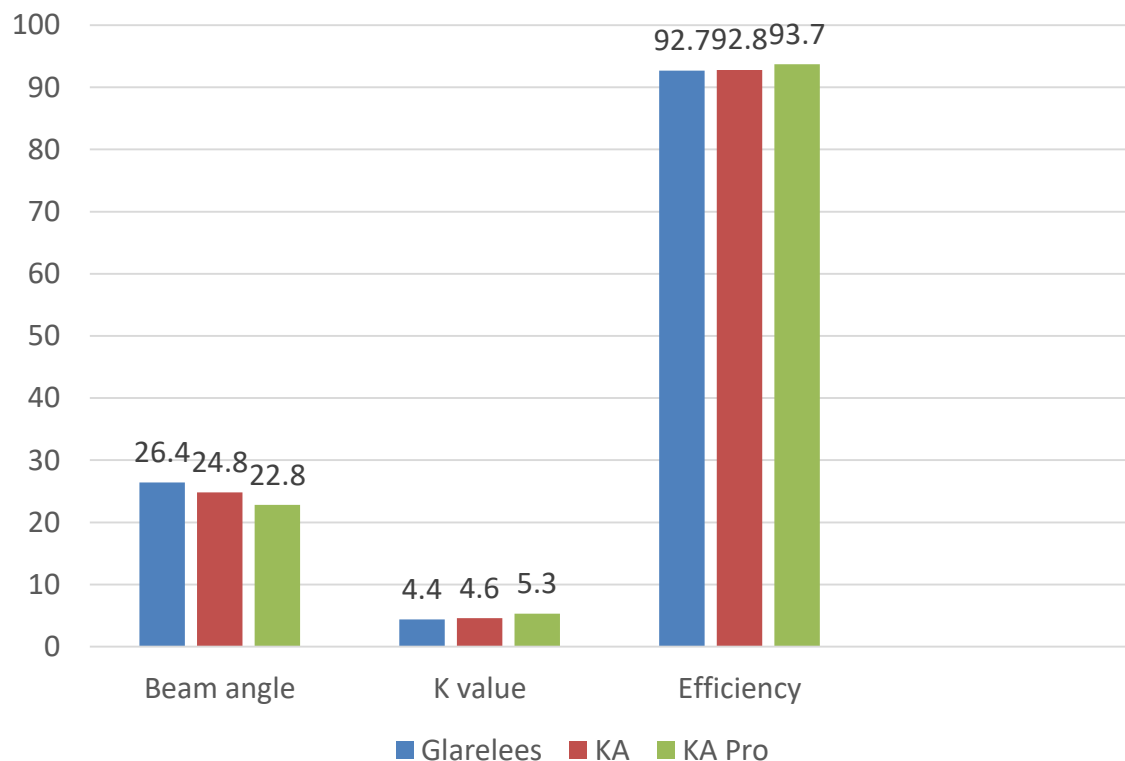
Uniform light spot.



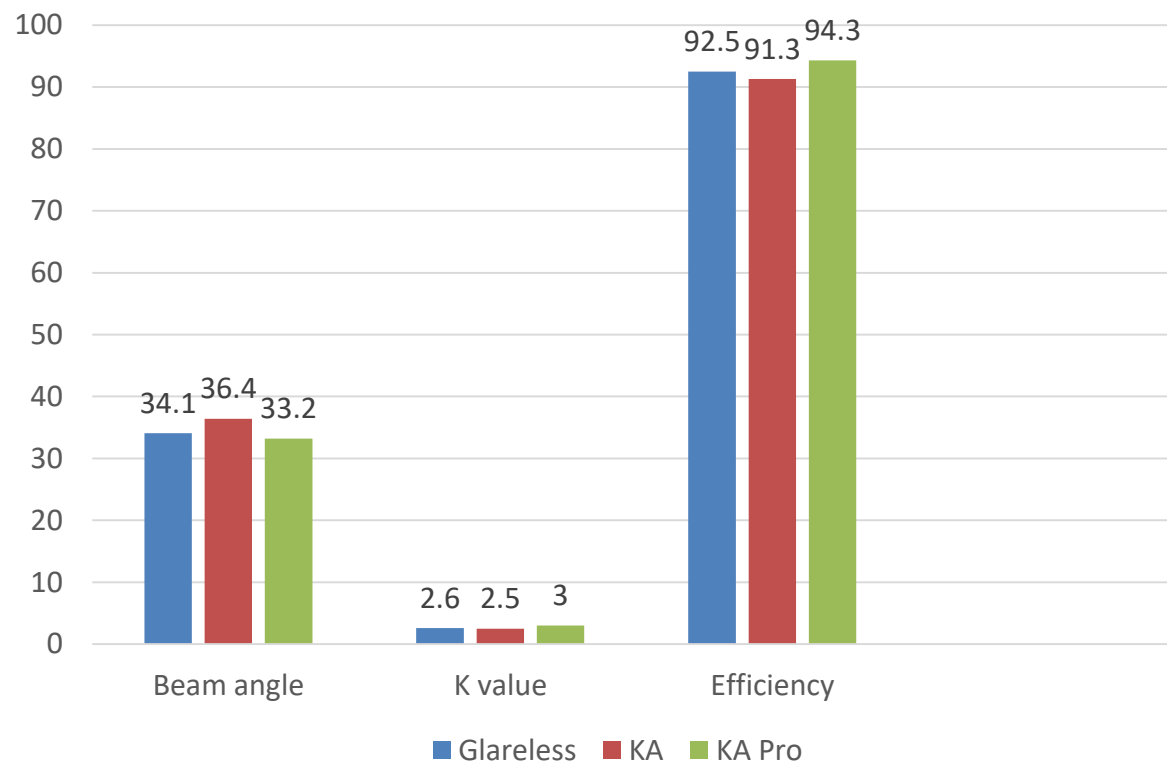
Large lighting surface, good anti-glare effect.

KA Pro has been optimized by Calculus technology to improve the K-value and efficiency, and the following are the actual test results.

About the test:



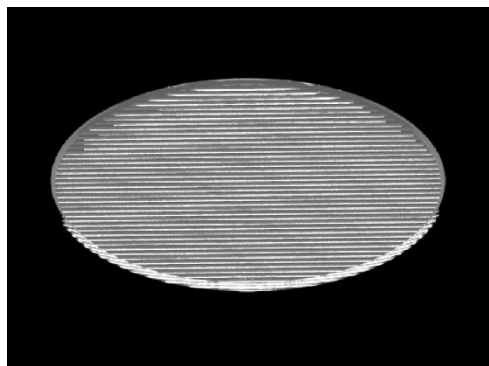
Optics	LES	Material	Beam angle	K value	Efficiency(with white lens holder)
KA-Pro 50@24-24° (NEW)	D9	PMMA	22.8	5.3	93.7%
KA 50@25-24°	D9	PMMA	24.8	4.6	92.8%
Glareless 50@24-24°	D9	PMMA	26.4	4.4	92.7%



Optics	LES	Material	Beam angle	K value	Efficiency(with white lens holder)
KA-Pro50@24-36° (NEW)	D9	PMMA	33.2°	3.0	94.3%
KA 50@25-36°	D9	PMMA	36.4°	2.5	91.3%
Glareless 50@24-36°	D9	PMMA	34.1°	2.6	92.5%

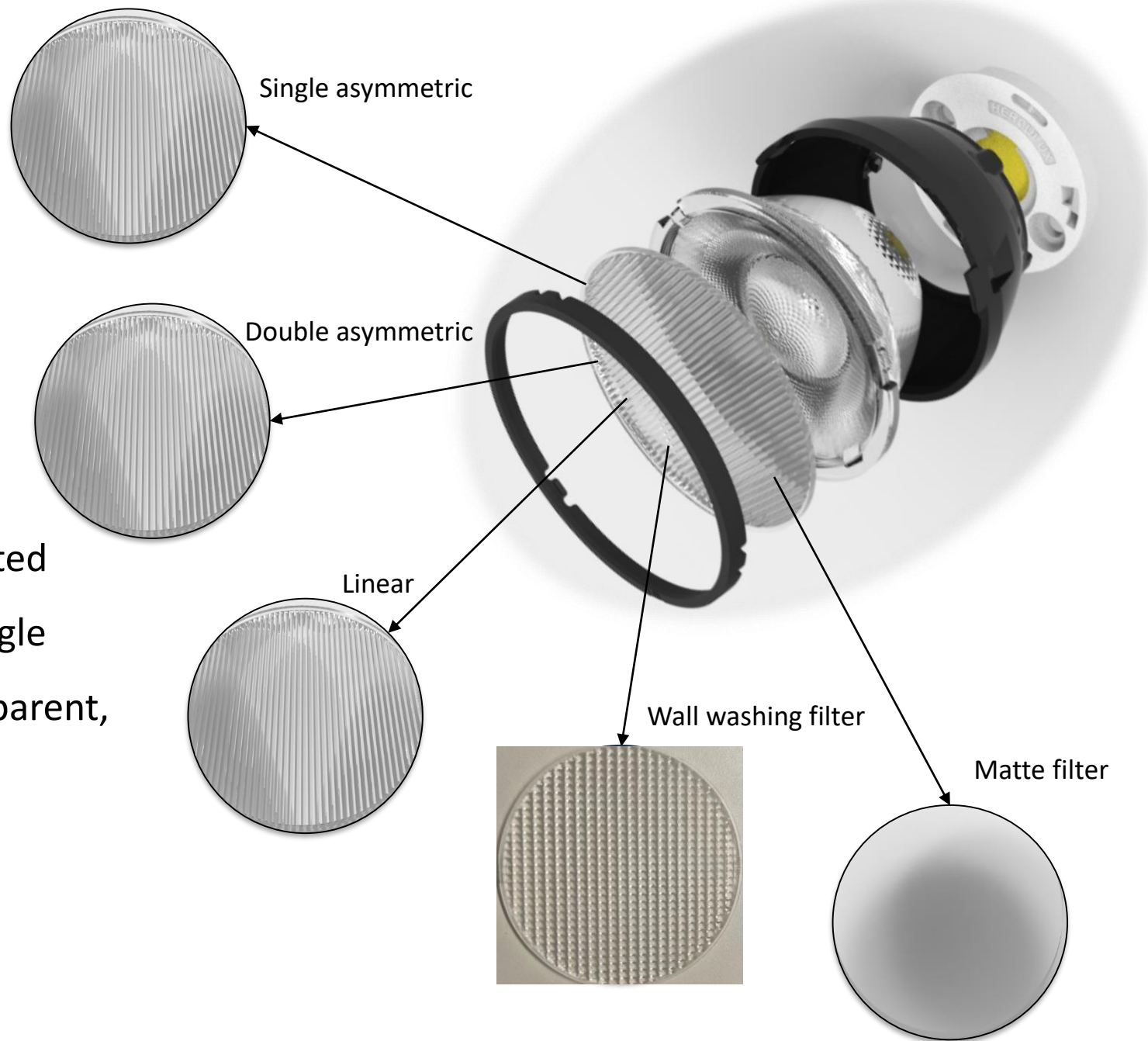
Kirin Optical Platform - Indoor lighting

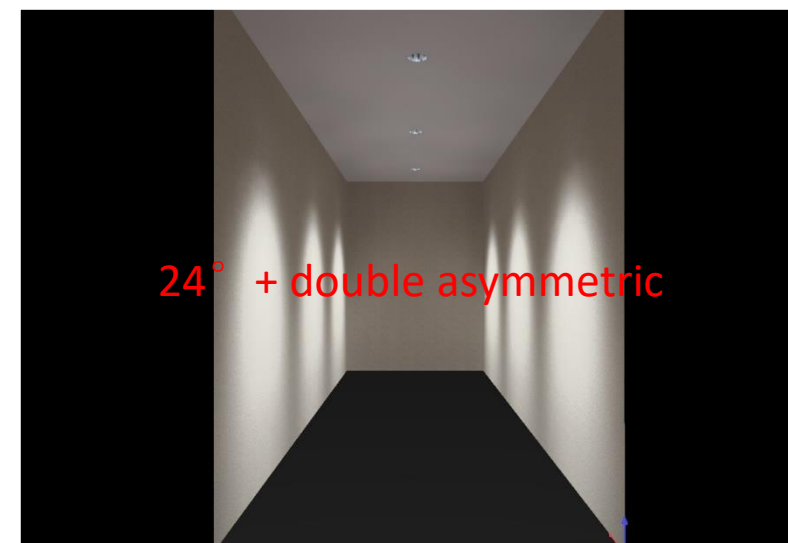
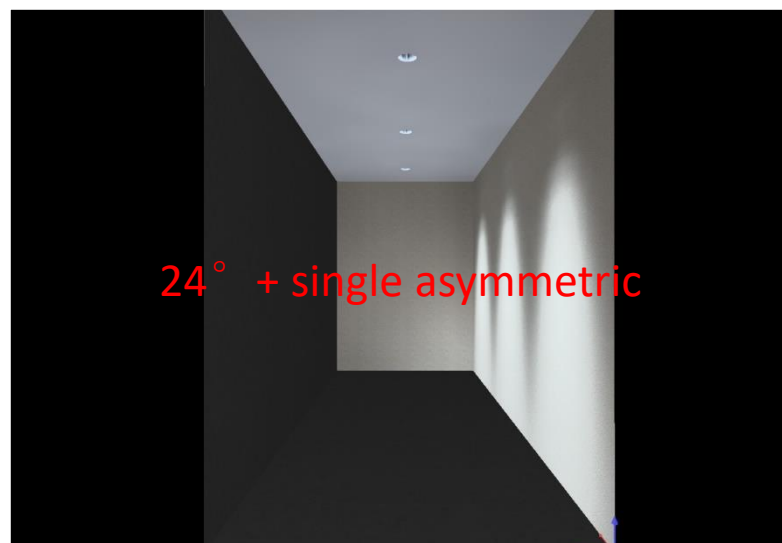
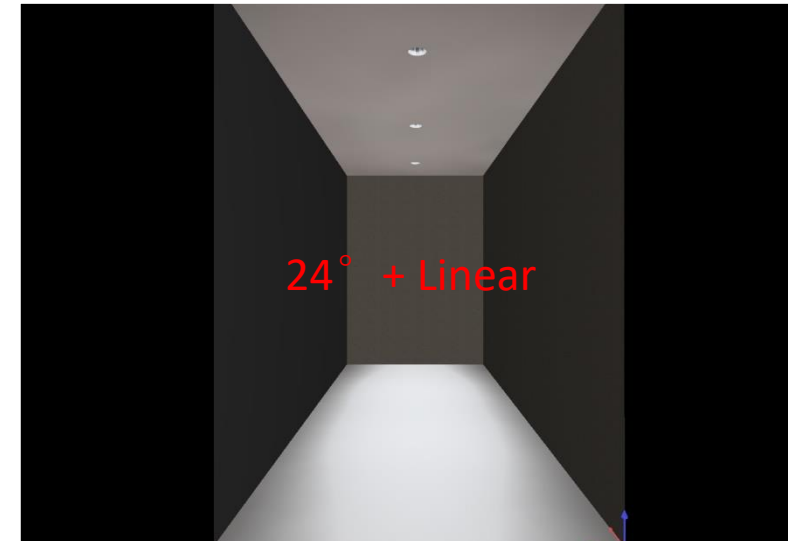
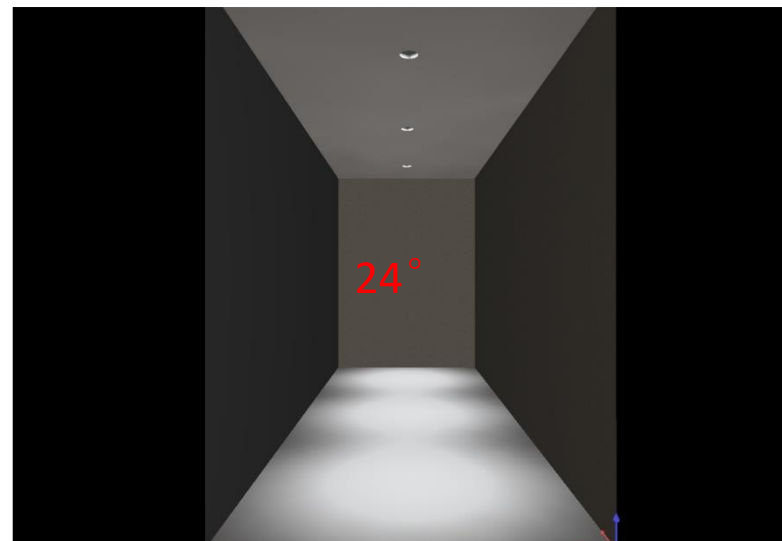
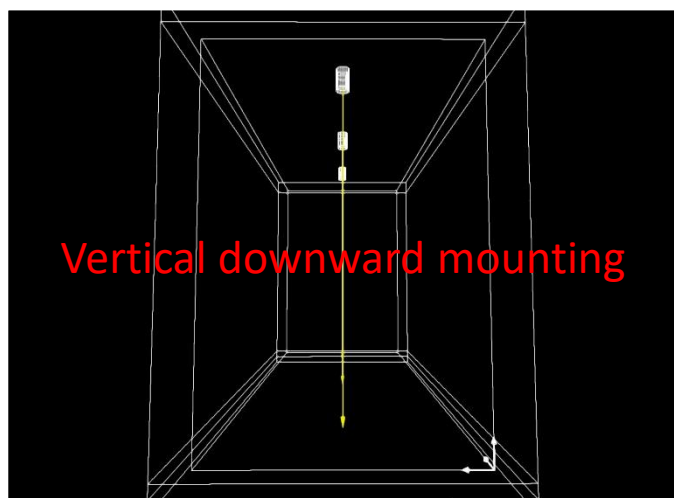




Light Filter

KAPRO series, matched with different variegated lenses to achieve different lighting effects, single asymmetric, double asymmetric, linear, transparent, matte filter.

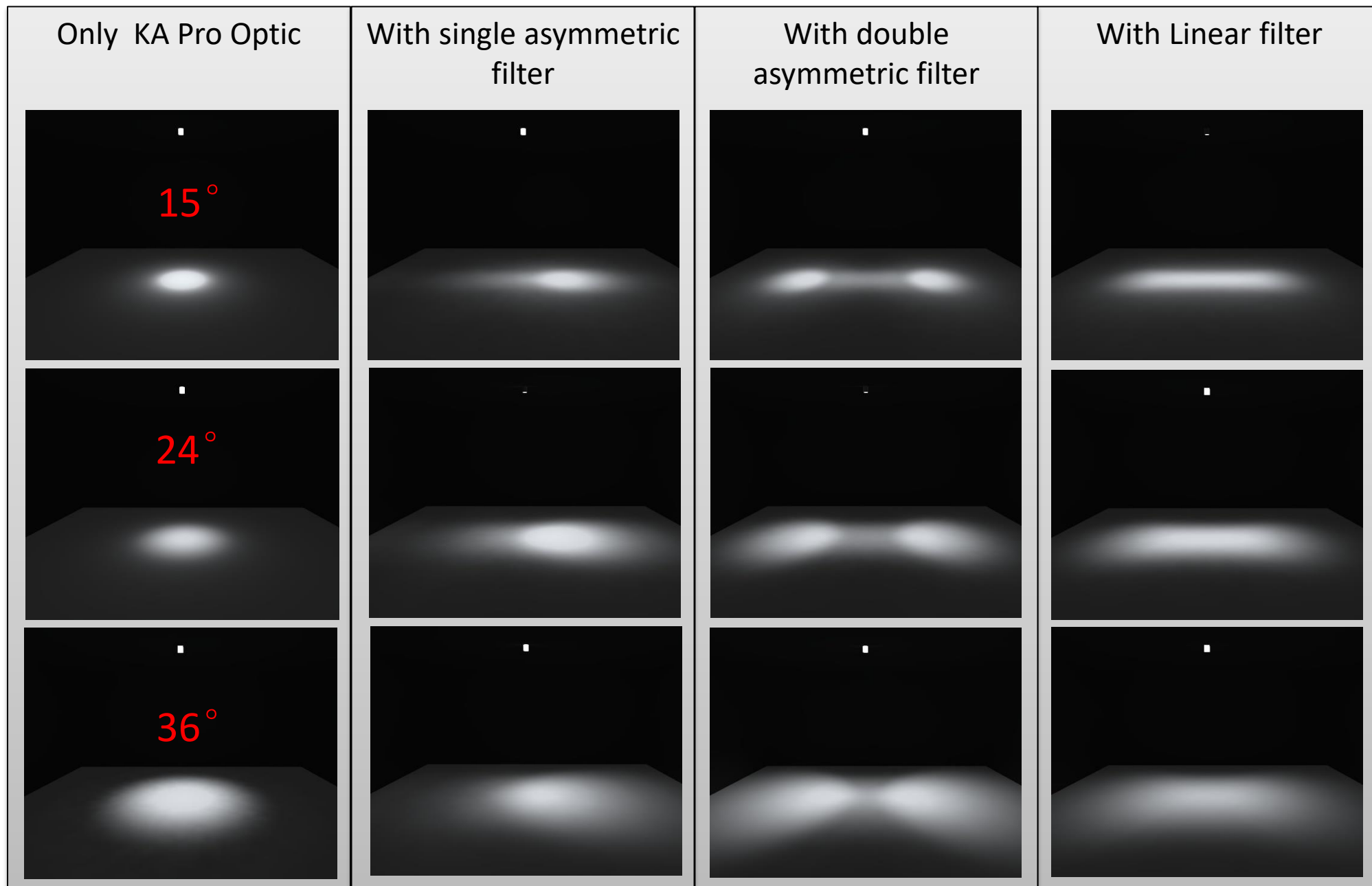




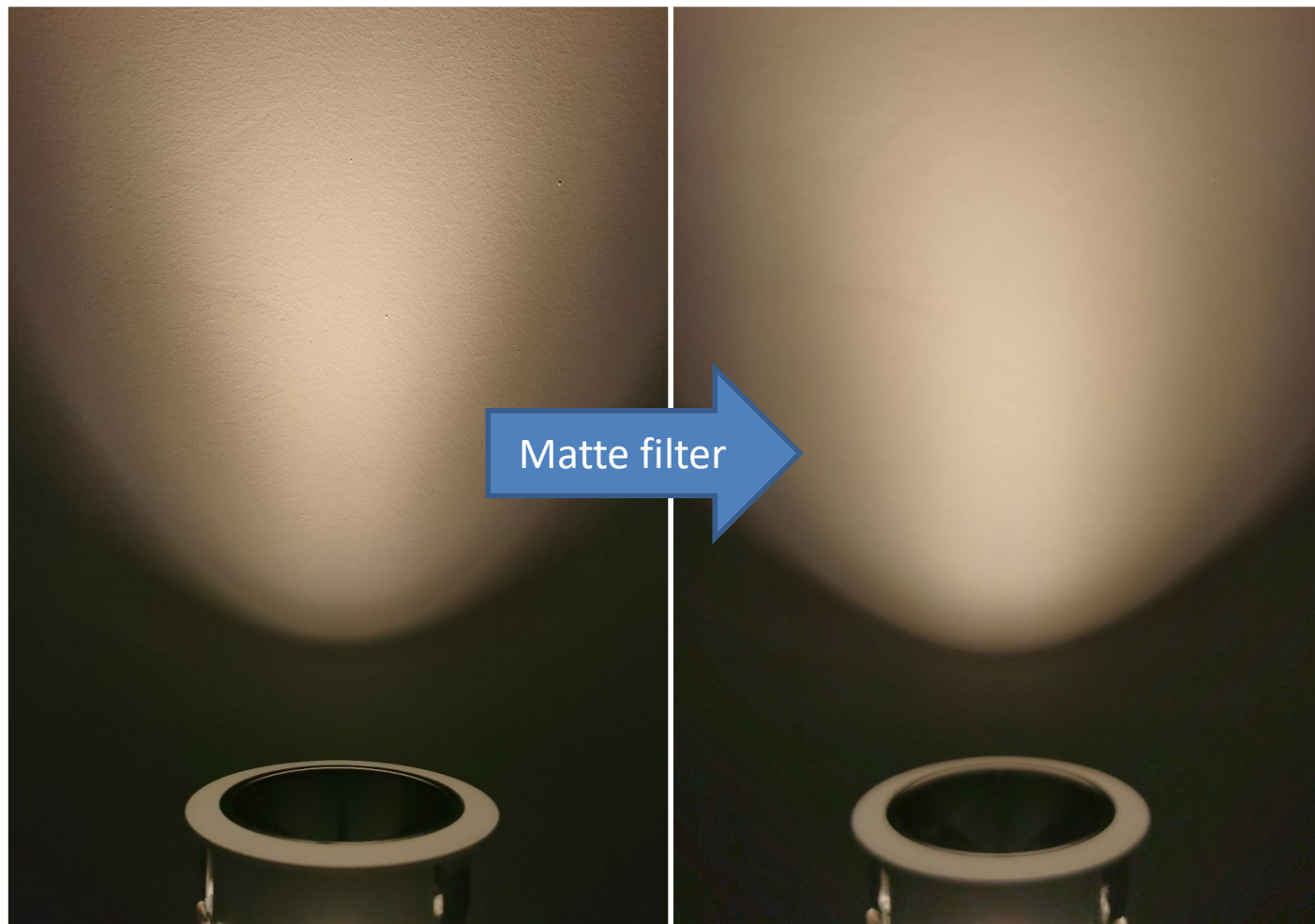
Different angles

Different
light filters

Different effects

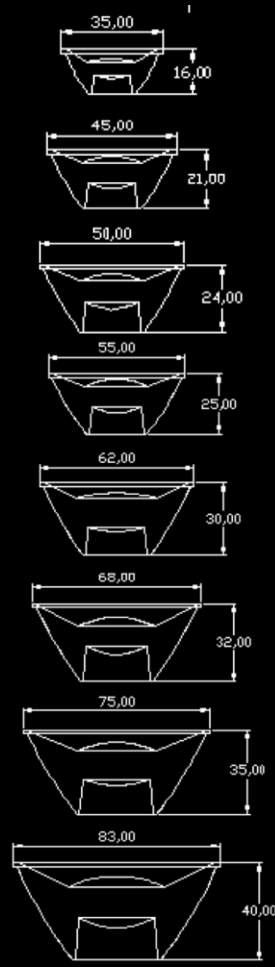


Matte filter, soften the light spot, solve the problem of wall washing delamination



Ka Pro-Specifications

Diameter	Height	Beam angle			
35	12	15°	24°	36°	50°
40	13	15°	24°	36°	50°
45	16	15°	24°	36°	50°
50	16	15°	24°	36°	50°
55	21	15°	24°	36°	50°
62	24	15°	24°	36°	50°
68	25	15°	24°	36°	50°
75	30	15°	24°	36°	50°
83	32	15°	24°	36°	50°



Recommended Application Luminaires





sales@hkoptics.com

THANK YOU

