Driving in the Dark









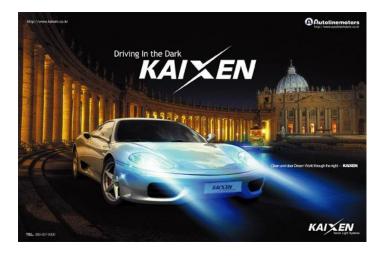
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XENON LIGHT SYSTEM KASER XENON XE 54 KAXEN HIGH GUALITY & LOW PRICE

High Intensity Discharge

Coming By







1. 회사개요

회사명	오토라인
대표이사	공학박사 丁豊起
설립연도 및 자본금	1998.04 (유)오토라인 설립
사업장 소재지	전북 전주시 덕진구 팔복동 2가 265-1(산업 1공단)
사원규모	관리 및 생산 36명
연락처	대표전화: +82-63-221-4040 Fax:+82-63-227-1881
홈페이지 / 관리메일	www.Kaixen.co.kr / kaixen@korea.com

2. 생산 설비현황

UCD램프 제조라인	아르곤 상태하 초진공 크린룸 자동설비구축
자동제어시스템	생산 및 검수라인 자동시스템
램프연간 생산량 / 제품	200만개 이상가능-35W, 50W
안정기 및 생산량	200만개 이상가능-전자식 UCD전용 12V~24V겸용 직류안정기(7.5V~30V)
캔슬러 생산	5여종의 HID전용 캔슬러 개발공급
검사장비	에이징머신/비젼램프자동검수기/항온항습기 및 적분구/광도측정기 등 다수보유
A/S 순회점검 차량	A/S차량 소유 및 전문 관리팀 전국 순회 정기점검 운영























What is H.I.D ?

HID stands for High Intensity Discharge.

It refers to lighting technology that relies on an electrical charge to ignite xenon gas contained in a sealed bulb.

The technology of HID automotive lamps is similar to that of common vapor-filled street lamps.

HID lighting doesn't have a filament but instead creates light by igniting an arc between two electrodes.

HID lights get their name from the intense white light produced by the electrical discharge.

HID lamps are also called xenon lamps, referring to a gas inside the lamps.

HID general lighting has been used for years in sports arenas and stadiums around the country.



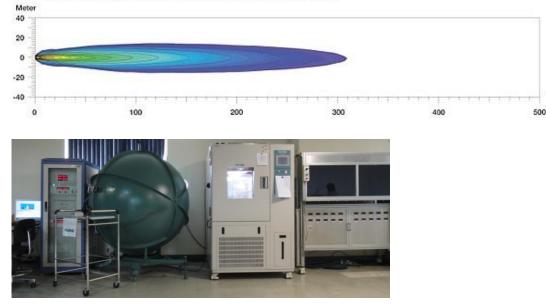


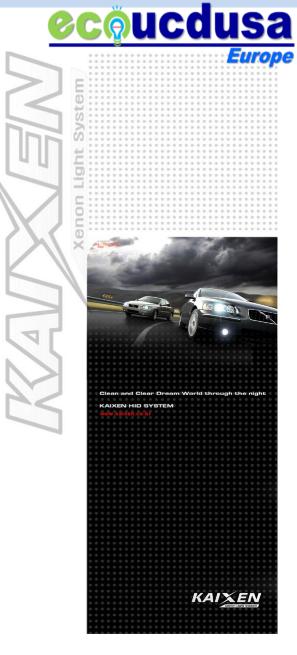
Why H.I.D ?

Some auto experts cite the almost complete darkness on isolated highways as a reason for why HID lighting is becoming popular. HID lights promote safety by providing a better overall view of the roadway and the ability to see upcoming objects quickly and more clearly.

For example, road signs and objects on the road are easier to see when illuminated by HID headlights.

Isolux-Diagramm DE Xenon Fernscheinwerfer





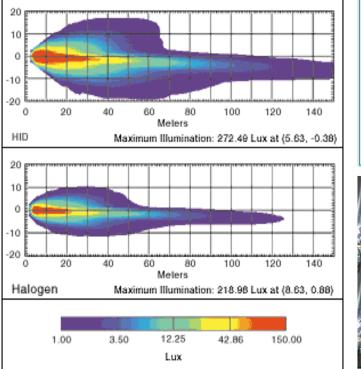
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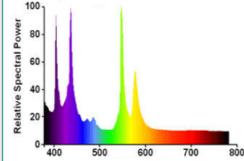


How is HID Different?

HID lighting provides about three times the light output of standard halogen headlights while using less energy.

HID lights are designed to last up to ten times longer than standard halogen lamps. Graphic depicts the performance levels of standard HID (4,100K) versus standard halogen light in a low beam application













What about HID's color ?

The color of the light source is expressed as its color temperature. As the color temperature increases, the color of the light moves from yellow to white to blue-white. HID headlights provide light at a higher color temperature than standard halogen headlights, which gives them a crisp white appearance. The table below shows the color temperature of various light sources. As a reference, sunlight at noon is 5250°K.

		KAD	ton Light System	platinum	Xenon,Gold	Halogen	Lamp
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8000K	7000K	6000K	5000K	4000K	3500K	3000K	2500K



6,000K





Are HID headlights better, brighter, safer?

HID lighting provides the brightest illumination available. The more intense, higher color temperature light results in three times the output of standard halogen lighting, which means improved peripheral vision and enhanced down-road visibility.

The end result is safer driving for everyone on the road.







Comparison H.I.D Lamp with Halogen Lamp

Divide	Halogen	Normal H.I.D	KAIXEN H.I.D
Candela	20,000 cd	60,000 cd	200,000 cd
Consumption	12V / 55W	12V / 35W	12V / 35W
Lumen/W	28 Lm/W	70 Lm/W	88 Lm/W
Kelvin	2,800K	3600~6500K	4,000~8,500K
Longevity(hr)	400hr	1,300hr	2,500hr
Bulb Product	None	Normal	Vacuum(Argon)





Information



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KAIXEN HID Products

KAIXEN High Intensity Discharge lighting represents a new dimension in driving - a technological breakthrough uniting a passion for automotive lighting performance and a commitment to safety.

It is the new standard, delivering more light while requiring less maintenance.

KAIXEN is true HID, the innovative illumination that was once the exclusive domain of high-end imports.

KAIXEN HID is brilliant. It is legal. And it is here now.







Light Artist - KAIXEN

Splendid Light World! World renowned Light system! It's the KAIXEN

No dazzling white! Only a light of brilliant white, you can't imagine the true color of KAIXEN. There is no light but has some faults except for KAIXEN. It's what we call PERFECT. KAIXEN is the world best car light system

■ The merits of H.I.D (*KAIXEN*)

Safety	If you can see more clearly, you will be a safer driver. You will also find night driving far less tiring. It really is like driving in sunlight. Other drivers will also see you coming sooner
Efficiency	Kaixen H.I.D systems draw only 35 watts compared to 55 watts of the standard system. Less wasteful by far!
Longevity	Kaixen H.I.D bulbs last up to ten times as long as halogen
U/V Safety	Kaixen H.I.D systems emit no harmful UV rays. (Can-bus System)







Just KAIXEN can make you feel the real speed through the shadows of night

It's the beginning of white and promising word with KAIXEN. Well-known H.I.D KAIXEN, for the domestic and Imported cars! Many sided base kits, colors and intensity of illumination: crystal purple, white & blue. Very proud releasing the world famous H.I.D KAIXEN.

KAIXEN Product

Туре	Model	Color	OEM Lamp	OEM Ballast
Single Type	H1,H3,H4S,H7,H11,H13,H27(881) 9004, 9005, 9006, 9007.	Crystal Yellow (4000K) Crystal Natural (5000K)	D2C(R/S)	
Double Type	H4D(9003D/HB2D), H13D(9008D), 9004D(HB1D), 9007D(HB5D)	Crystal White (6000K) Crystal Purple (6500K) Crystal Blue (8500K)	D1C(R/S) D4C(R/S)	D1C



Halogen Lamp



CRYSTAL WHITE / 6,000K



CRYSTAL PURPLE / 6,500K



CRYSTAL BLUE / 8,500K





The manufacturing characteristics of KAIXEN

Division	Main Characteristics
Manufacturing Environment	 The first established latest factory(1998.04) 100% environment manufacture of Argon and vacuum
Equipment	○ The best capsule facility instruction from Germany & Japan
Quality and Inspection	 The two steps Aging test of All products Shipping Inspection : Sampling test by random







The special features of KAIXEN and comparison against other products

Division	KAIXEN H.I.D	Others H.I.D
Bulb (Capsule)	 Established the newest factory and facility introduction(1998.04) The first completion of the KAIXEN capsule facilities-KAIXEN capsule has improved initial lighting system, clear focus and better arc lamp which are the world first Ballast and Bulb durability, for KAIXEN capsule switches on a lamp at 18,000V The largest amount stockpile-10,000 per month, Max 20,000 	 Manufactured by the capsule and initial lighting at 23,000V ±5,000V different voltage than the KAIXEN Delayed initial lighting system
Ballast	 Distinguished Ballast in Domestic (Korea) Equal quality with Hella (Germany) Operated 12~24VCombination(7.5V~30V) / -40°C ~120°C / Built-in Canbus function(Optional-Canceller) 	Products which made in China and Taiwan (No inspection products in Korea) Low priced goods
Cable	 Using a high voltage cable certified by UL & CE Using high voltage connector housing certified by KS and the application of a special design Using a high voltage silicon wiring kit to protect the conduction current. 	To use the non-standardized products (Substandard with UL, CE, KS)
Bulb Base	 Using a high voltage PPS quality Base to protect both the outflow of high voltage and conduction 	To use the common polyurethane quality (Weak in the high voltage)

* The specification of Others H.I.D is followed by ordinary H.I.D product's details. (There may be some points of differences in specific products.)





KAIXEN H.I.D Lamp Test Result

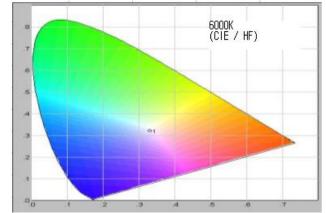
6,000K	Elect	ronic Spec.		Light Spec		Colo	r(HF)
(Average)	V	mA	W	К	Lm	Х	Y
(**************************************	85.25	407.6	35.29	5,621	2,513	0.3302	0.3206
	82.76	417.6	34.54	5,468	2,547	0.333	0.3237

* Report No.:AUTO-3627-1

- * Description : LAMP (85V 35W)
- * Lot Size : 210 PCS
- * Sample Size : 2 PCS

* Test Voltage : 13.5V

* Inspection Date : 2010.7.4



7,000K	Elect	Electronic Spec. Light Spec Color(I		Light Spec		r(HF)	
(Average)	V	mA	W	К	Lm	Х	Y
	87.01	393.9	34.32	6,810	2,164	0.2998	0.3667
	87.25	407.6	35.29	6,542	2,108	0.301	0.382

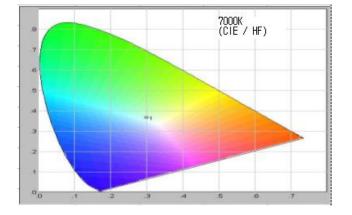
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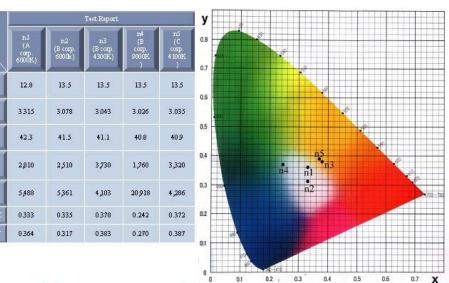


KAIXEN H.I.D Ballast "license"

Ibnit

Input. Watt.(W



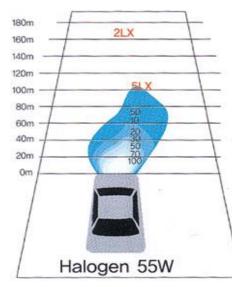




KAIXEN Ballast Manufactured goods & License

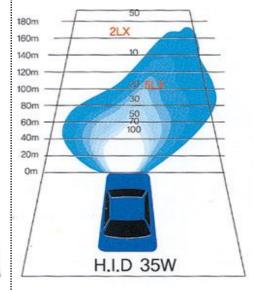


Lamp durability of Halogen Lamp & H.I.D system



Halogen beam

HID Xenon beam







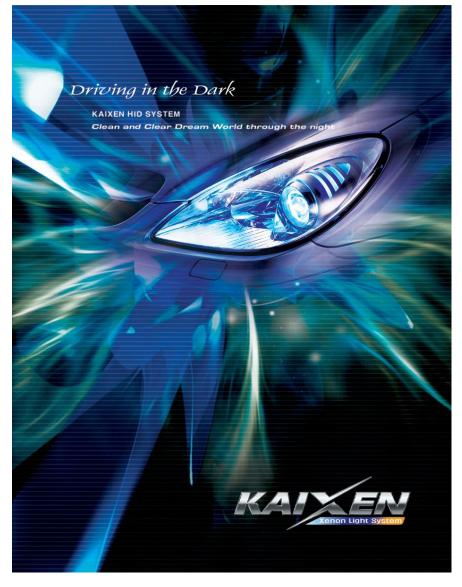






Products





Next Pages



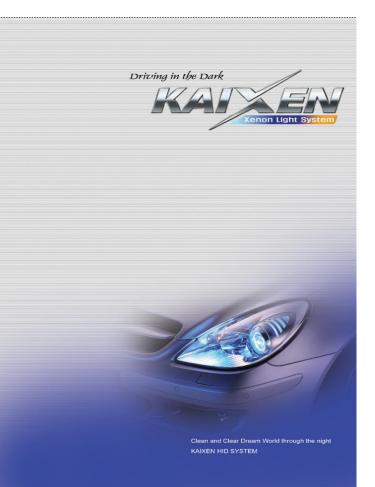
KAIXEN Composition



Sample : H7

□ Box Size : 315 x 263 x 68mm
□ Weight : Average of 1 BOX
- Single type : 1,180g
- Double type : 1,450g











KAIXEN H.I.D Explanation



• The inner part of KAIXEN Ballast is very resistant both vibration and damp proof owing to filled with an insulator.

• KAIXEN Bulb is produced by the perfect vacuum condition (Argon).

Remark

- Oxygen : Bulb made from less than 0.1 PPM condition.
- Hydrogen : Keep the clean condition less than 0.1 PPM.
- KAIXEN H.I.D has a strong point in comparison to other company in that KAIXEN has a high watts to light up.

















KAIXEN Attach Sample 2













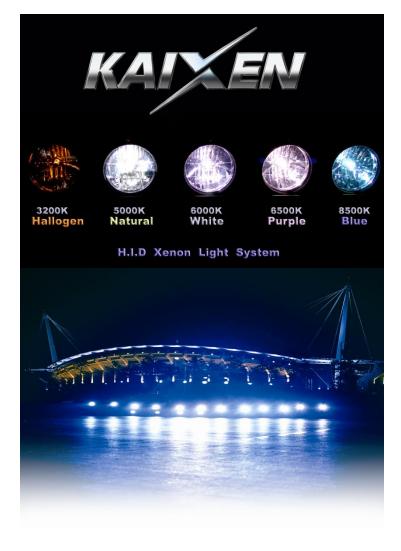


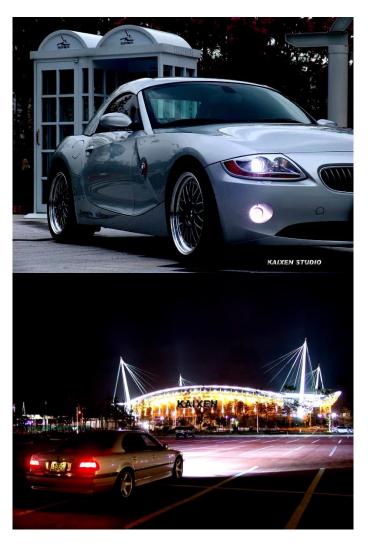
Europe

ec@ucdusa



Light Beam Pattern

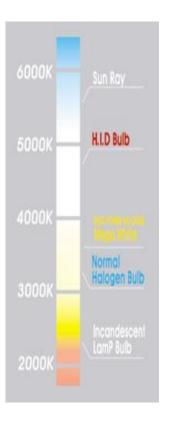








Get the latest and brightest technology available anywhere - for your vehicle.



HID Light stimulates driver concentration and makes night time driving less tiring and it reflects much better on road markings and signs, further contributing to safety and comfort.

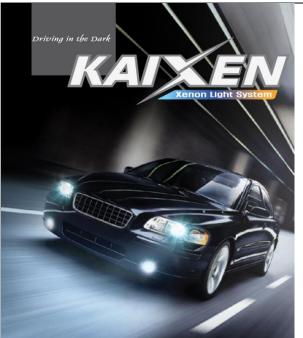
They are produced to the very lightest standards of reliability and quality specification that have made HID lighting the number one choice of discerning drivers everywhere.



D2C-6,500K







Clean and Clear Dream World through the night KAIXEN HID SYSTEM



"KAIXEN" Xenon Light system is the world renowned and perfect quality light system, which improves the weak points of other H.I.D system.

By

ecoucdusa

Europe

Thank you.!



