



IATF 16949 : 2016



ISO 14001 : 2015



BioLight

All about automotive lighting
Creation, Always come from actions

Automotive light bulb manufacturer
(Halogen Bulb, Xenon Bulb, LED Bulb)



Halo[™]
Automotive Light

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All about automotive lighting Creation, Always come from actions

Introducing BIOLIGHT Co., Ltd.

BIOLIGHT Co., Ltd. was established on January 11, 1993, and has been mainly manufacturing automotive halogen bulbs. BIOLIGHT exports excellent quality products to the global market through continuous quality innovation efforts, and supplied the products to the finished car maker OEM in 2006 for the first time in Korea.

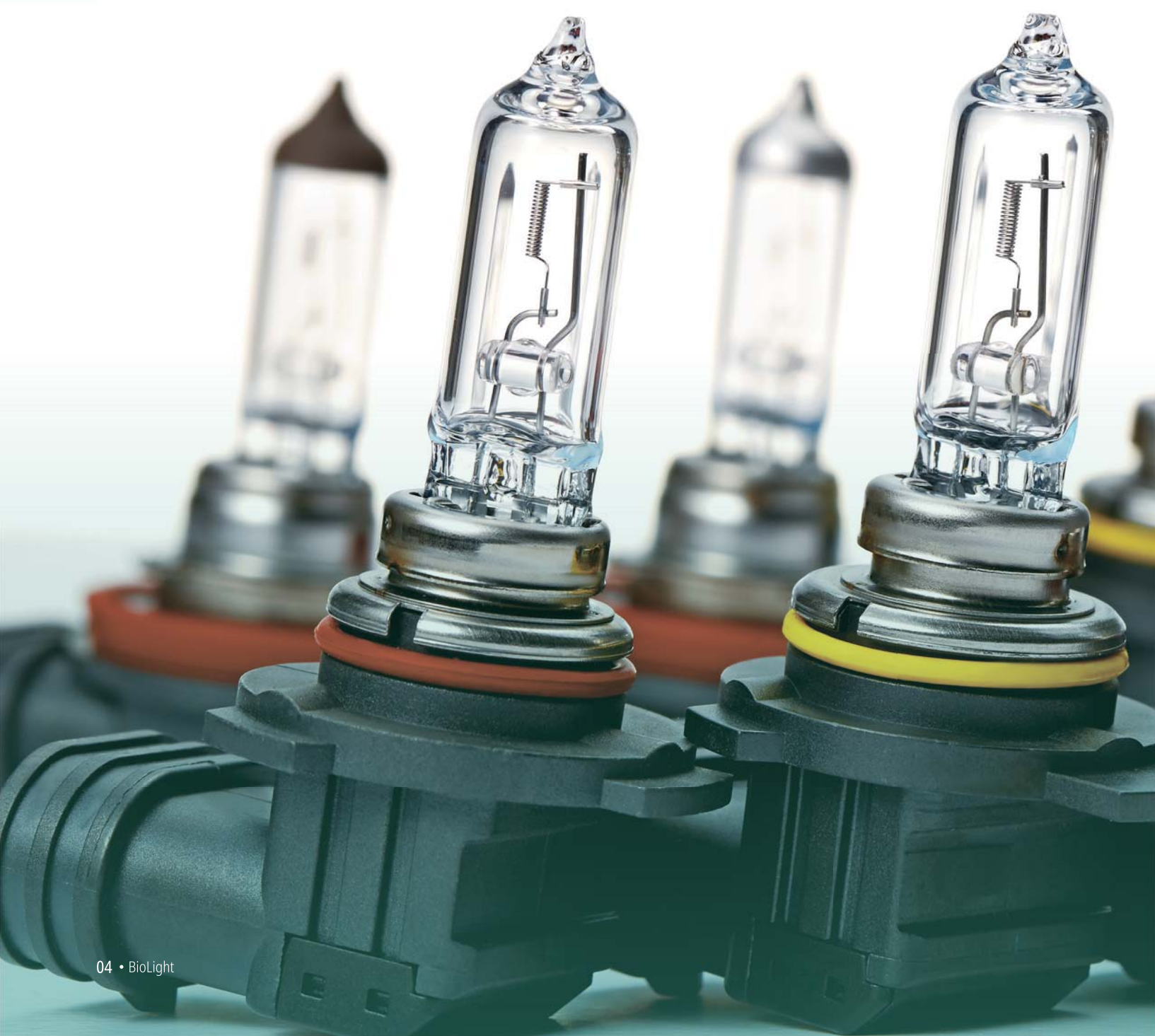
All production lines are operated by internally-developed state-of-the-art automation systems, and the inspection equipment is also strictly controlled using an internally-developed vision computer control program.

The products acquired the world's best quality approval according to the international standard of automotive light bulbs (E1 certification in Europe in accordance with ECE Regulation 37 and DOT certification in the U.S.), and each manufacturing process in the plant is managed by the ISO 14001/IATF 16949 system.

BIOLIGHT will constantly challenge for the utmost in customer satisfaction by continuously carrying out research and development on automobile lighting systems in stride with changes in the global market.



BIOLIGHT,
Specialized company for halogen bulb







BIOLIGHT Automotive Product description



STANDARD (STD)

- Global standard products
- Mixing the highest light output and stability
- Trusted by car manufacturers, and pursuing comfort and stability

* [Complying with global standards \(ECE Regulation 37\)](#)

* Available types are : H1, H3, H4, HS1, H7, H8, H9, H11, H8B, H9B, H11B, H10, H13(9008), H16, H18, H19, HB3(9005), HB4(9006), HB5(9007), HIR1(9011), HIR2(9012), H27W/1(880), H27W/2(881)



PREMIUM VISION (PV)

- Providing up to 50% more brightness
- Excellent cost-effectiveness
- High-quality highly-tolerant car lamps
- Providing high-performance light at a very competitive price

* [Complying with global standards \(ECE Regulation 37\)](#)

* Available types are : H1, H3, H4, H7, H8, H9, H11





LONG LIFE (LL)

- 2 times longer life, less need for replacement
- Stable performance
- Up to 2 times longer life than commonly used bulbs
- Eco-friendly owing to infrequent replacement
- Best mix of durability and light output
- Suitable for all drivers who frequently drive with their lights on

* Complying with global standards (ECE Regulation 37)

* Available types are : H1, H3, H4, H7, H8, H9, H11, H8B, H9B, H11B, H10, H16, H18, H19, HB3(9005), HB4(9006)



SUPER LONG LIFE (SLL)

- 3 times longer life, less need for replacement
- Up to 3 times longer life than commonly used bulbs, providing the best durability (life)
- Eco-friendly owing to the longest replacement cycle
- Suitable for all professional drivers and daytime driving systems

* Complying with global standards (ECE Regulation 37)

* Available types are : H1, H7





HYPER LONG LIFE (HLP)

- Providing up to 30% more brightness, excellent light distribution
- Excellent cost-effectiveness
- High-quality highly-tolerant car lamps, providing excellent light performance
- Trusted by car manufacturers, and pursuing comfort and stability

* Complying with global standards (ECE Regulation 37)

* Available types are : HB3(9005)

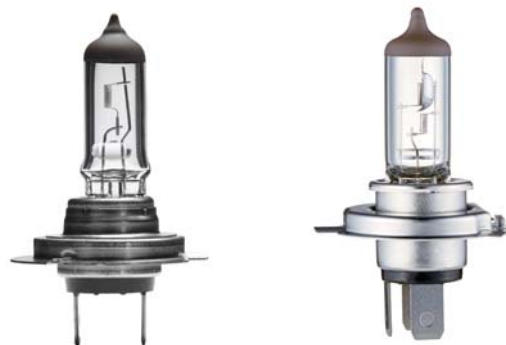


V- FORCE (VF)

- Strong lamps tolerating up to 10G vibration resistance
- Bulbs with improved strong vibration resistance
- Provides all the advantages of commonly used bulbs
- Perfect bulbs for normal use when road conditions are not good

* Complying with global standards (ECE Regulation 37)

* Available types are : H1, H3, H4, H7, H11





V- FORCE LONG LIFE (VFL)

- Strong lamps tolerating up to 10G vibration resistance
- Bulbs specialized in strong vibration resistance with 2 times longer life
- Perfect light bulbs for frequent use in bad road conditions
- Maximized replacement cost savings

* Complying with global standards (ECE Regulation 37)

* Available types are : H1, H3, H4, H7, H11



RALLY (RA)

- Up to 50% brighter than the standard version and higher reliability with high power
- The most powerful bulb
- Providing maximized lighting for off-road races and motorsports

* Available types are : H1, H3, H4, H7, H8, H9, H11, H8B, H9B, H11B, H13(9008), HB3(9005), HB4(9006), HB3A(9005XS), HB4A(9006XS), HB5(9007), HIR2(9012)



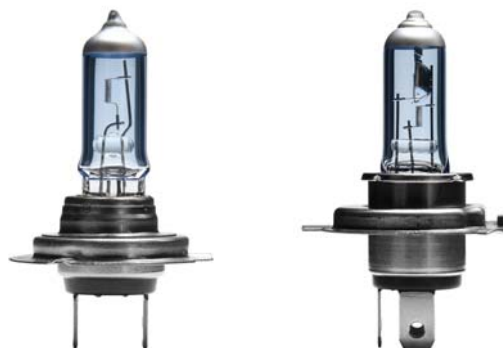


SUPER WHITE (SW)

- White effect
- The brightest and most powerful lighting on the road compared to commonly used bulbs

* Complying with global standards (ECE Regulation 37)

* Available types are : H1, H3, H4, HS1, H7, H8, H9, H11, H8B, H9B, H11B, H10, H13(9008), H16, H18, H19, HB3(9005), HB4(9006), HB5(9007), HIR1(9011), HIR2(9012), H27W/1(880), H27W/2(881)



SUPER WHITE PLUS (SWP)

- Excellent white effect up to 4300 Kelvin
- Providing excellent driving comfort with good visibility
- Ensuring ultra-white effect and strong lights with up to 4300 Kelvin color temperature owing to new coating methods
- This product presents the whitest atmosphere on the road

* Available types are : H1, H3, H4, HS1, H7, H8, H9, H11, H8B, H9B, H11B, H10, H13(9008), H15, H16, H18, H19, HB3(9005), HB4(9006), HB3A(9005XS), HB4A(9006XS), HB5(9007), HIR1(9011), HIR2(9012), H27W/1(880), H27W/2(881)





YELLOW (YE)

- Maximized performance in bad weather
- Better visibility in foggy, snowy and rainy weather
- Reduced color temperature to decrease fog reflection
- Pursuing improved visibility and increased driver safety by reducing surface light absorption in bad weather

* Complying with global standards (ECE Regulation 37)

* Available types are : H1, H3, H4, HS1, H7, H8, H9, H11, H8B, H9B, H11B, H10, H13(9008), H16, H18, H19, HB3(9005), HB4(9006), HB5(9007), HIR1(9011), HIR2(9012), H27W/1(880), H27W/2(881)



ALL WEATHER (AW)

- Improved visibility on foggy, snowy and rainy days
- Light bulbs suitable for all weather conditions
- Slightly yellowish color due to special coating
- Presenting maximized light with minimal glare and reflection
- Suitable for professional and style-oriented drivers

* Complying with global standards (ECE Regulation 37)

* Available types are : H1, H3, H4, HS1, H7, H8, H9, H11, H8B, H9B, H11B, H10, H13(9008), H16, H18, H19, HB3(9005), HB4(9006), HB5(9007), HIR1(9011), HIR2(9012), H27W/1(880), H27W/2(881)





SUPER VISION (SV)

- Providing up to 90% more intensity of radiation on the road
- Presenting white light with special blue coating
- Longer beam than commonly used bulbs
- Maximized performance with high color temperature
- Providing comfort for the driver who wants to combine perfect visibility and vision

* Complying with global standards (ECE Regulation 37)

* Available types are : H1, H3, H4, H7, H11, HB3(9005), HB4(9006)



SUPER VISION PLUS (SVP)

- Providing up to 100% more intensity of radiation on the road
- Blue Xenon effect of the headlight with special blue coating, light color similar to HID
- Suitable for the driver who wants to increase the contrast of objects on the road and wants the perfect appearance of the vehicle

* Complying with global standards (ECE Regulation 37)

* Available types are : H1, H4, H7, H11, HB3(9005), HB4(9006)



SUPER ULTRA VISION (SUV)

- Providing up to 130% more intensity of radiation on the road
- Best-in-class for brighter light durability for better contrast and visibility
- Driving assistance for the driver by making the driver see farther and react faster

* [Complying with global standards \(ECE Regulation 37\)](#)

* Available types are : H1, H4, H7, H11, HB3(9005), HB4(9006)



SUPER ULTRA VISION PLUS (SUVP)

- Providing up to 140% more intensity of radiation on the road
- Best-in-class for brighter light durability for better contrast and visibility
- Driving assistance for the driver by making the driver see farther and react faster, when driving at a high speed

* [Complying with global standards \(ECE Regulation 37\)](#)

* Available types are : H4, H7, H11, HB3(9005), HB4(9006)





SUPER ULTRA RACING (SUR)

- Providing up to 150% more intensity of radiation on the road
- Optimized for winter lighting conditions with optimized performance, and by enabling the driver to see further and react faster
- The performance of the headlight must be reliable when driving at high speeds on a dark road
- Reaction time is essential when faced with an unexpected dangerous situation
- Even 1/10th of a second can affect safety
- Superior beam performance of the headlights helps the driver to identify dangerous situations and fully control the vehicle regardless of road conditions



* [Complying with global standards \(ECE Regulation 37\)](#)

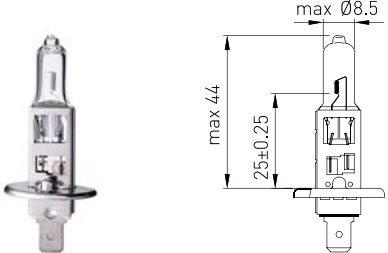
* Available types are : H4, H7, H11, HB3(9005), HB4(9006)



BIOLIGHT Automotive Halogen Bulb List

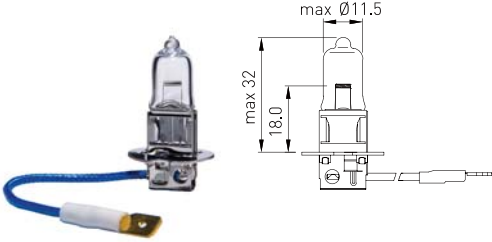
H1



Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE
	H00101	H1	STD	12	55	P14.5s	•
	H00102	H1	PV	12	55	P14.5s	•
	H00103	H1	LL	12	55	P14.5s	•
	H00104	H1	SLL	12	55	P14.5s	•
	H00105	H1	VF	12	55	P14.5s	•
	H00106	H1	VFLL	12	55	P14.5s	•
	H00107	H1	SW	12	55	P14.5s	•
	H00108	H1	SWP	12	55	P14.5s	•
	H00109	H1	YE	12	55	P14.5s	•
	H00110	H1	AW	12	55	P14.5s	•
	H00111	H1	SV	12	55	P14.5s	•
	H00112	H1	SVP	12	55	P14.5s	•
	H00113	H1	SUV	12	55	P14.5s	•
	H00114	H1	RA	12	100	P14.5s	
	H00115	H1	STD	24	70	P14.5s	•
	H00116	H1	LL	24	70	P14.5s	•
	H00117	H1	RA	24	100	P14.5s	

H3



Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE
	H00301	H3	STD	12	35	PK22s	
	H00302	H3	STD	12	55	PK22s	•
	H00303	H3	PV	12	55	PK22s	•
	H00304	H3	LL	12	55	PK22s	•
	H00305	H3	VF	12	55	PK22s	•
	H00306	H3	VFLL	12	55	PK22s	•
	H00307	H3	SW	12	55	PK22s	•
	H00308	H3	SWP	12	55	PK22s	
	H00309	H3	YE	12	55	PK22s	•
	H00310	H3	AW	12	55	PK22s	•
	H00311	H3	SV	12	55	PK22s	•
	H00312	H3	RA	12	100	PK22s	
	H00313	H3	STD	24	35	PK22s	
	H00314	H3	STD	24	55	PK22s	
	H00315	H3	STD	24	70	PK22s	•
	H00316	H3	LL	24	70	PK22s	•
	H00317	H3	RA	24	100	PK22s	

Bulb range legend


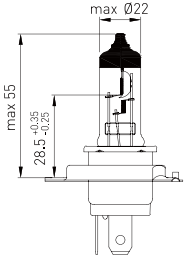
- STD : Standard
- VF : V- FORCE
- SWP : Super White Plus
- SUV : Super Ultra Vision
- SG : SINGLE
- VFLL : V-FORCE Long Life
- YE : Yellow
- SUVP : Super Ultra Vision Plus
- PV : Premium Vision
- HLP : HL+
- AW : All Weather
- SUR : Super Ultra Racing
- LL : Long Life
- RA : Rally
- SV : Super Vision
- SLL : Super Long Life
- SW : Super White
- SVP : Super Vision Plus



BIOLIGHT Automotive Halogen Bulb List


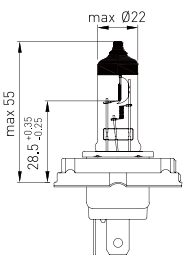
H4 (9003/HB2)



Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE
 	H00401	H4	STD	12	60/55	P43t	•
	H00402	H4	PV	12	60/55	P43t	•
	H00403	H4	LL	12	60/55	P43t	•
	H00404	H4	VF	12	60/55	P43t	•
	H00405	H4	VFLL	12	60/55	P43t	•
	H00406	H4	SW	12	60/55	P43t	•
	H00407	H4	SWP	12	60/55	P43t	•
	H00408	H4	YE	12	60/55	P43t	•
	H00409	H4	AW	12	60/55	P43t	•
	H00410	H4	SV	12	60/55	P43t	•
	H00411	H4	SVP	12	60/55	P43t	•
	H00412	H4	SUV	12	60/55	P43t	•
	H00413	H4	SUVP	12	60/55	P43t	•
	H00414	H4	SUR	12	60/55	P43t	•
	H00415	H4	RA	12	75/75	P43t	•
	H00416	H4	RA	12	100/90	P43t	•
	H00417	H4	RA	12	130/100	P43t	•
	H00418	H4	STD	24	75/70	P43t	•
	H00419	H4	LL	24	75/70	P43t	•
	H00420	H4	VF	24	75/70	P43t	•
	H00421	H4	VFLL	24	75/70	P43t	•
	H00422	H4	RA	24	100/90	P43t	•
	H00423	H4	RA	24	130/100	P43t	•


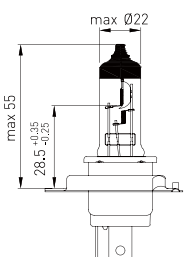
H4 (9003/HB2)



Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE
 	H00450	H4	STD	12	60/55	P45t	•
	H00451	H4	SW	12	60/55	P45t	•
	H00452	H4	SWP	12	60/55	P45t	•
	H00453	H4	YE	12	60/55	P45t	•
	H00454	H4	AW	12	60/55	P45t	•
	H00455	H4	RA	12	100/90	P45t	•
	H00456	H4	RA	12	130/100	P45t	•
	H00457	H4	STD	24	75/70	P45t	•
	H00458	H4	RA	24	100/90	P45t	•
	H00459	H4	RA	24	130/100	P45t	•

HS1



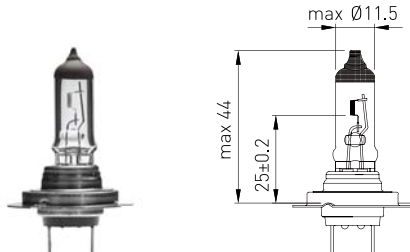
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 	H00490	HS1	STD	12	35/35	PX43t	•
	H00491	HS1	SW	12	35/35	PX43t	•
	H00492	HS1	SWP	12	35/35	PX43t	•
	H00493	HS1	YE	12	35/35	PX43t	•
	H00494	HS1	AW	12	35/35	PX43t	•

Bulb range legend

- STD : Standard
- VF : V- FORCE
- SWP : Super White Plus
- SUV : Super Ultra Vision
- SG : SINGLE
- VFLL : V-FORCE Long Life
- YE : Yellow
- SUVP : Super Ultra Vision Plus
- PV : Premium Vision
- HLP : HL+
- AW : All Weather
- SUR : Super Ultra Racing
- LL : Long Life
- RA : Rally
- SV : Super Vision
- SLL : Super Long Life
- SW : Super White
- SVP : Super Vision Plus

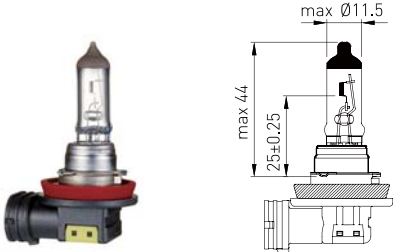
H7



Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE
	H00701	H7	STD	12	55	PX26d	●
	H00702	H7	PV	12	55	PX26d	●
	H00703	H7	LL	12	55	PX26d	●
	H00704	H7	SLL	12	55	PX26d	●
	H00705	H7	VF	12	55	PX26d	●
	H00706	H7	VFLL	12	55	PX26d	●
	H00707	H7	SW	12	55	PX26d	●
	H00708	H7	SWP	12	55	PX26d	●
	H00709	H7	YE	12	55	PX26d	●
	H00710	H7	AW	12	55	PX26d	●
	H00711	H7	SV	12	55	PX26d	●
	H00712	H7	SVP	12	55	PX26d	●
	H00713	H7	SUV	12	55	PX26d	●
	H00714	H7	SUVP	12	55	PX26d	●
	H00715	H7	SUR	12	55	PX26d	●
	H00716	H7	RA	12	80	PX26d	●
	H00717	H7	RA	12	100	PX26d	●
	H00718	H7	STD	24	70	PX26d	●
	H00719	H7	SG	24	70	PX26d	●
	H00720	H7	LL	24	70	PX26d	●
	H00721	H7	VF	24	70	PX26d	●
	H00722	H7	VFLL	24	70	PX26d	●
	H00723	H7	SW	24	70	PX26d	●
	H00724	H7	SWP	24	70	PX26d	●
	H00725	H7	YE	24	70	PX26d	●
	H00726	H7	AW	24	70	PX26d	●
	H00727	H7	RA	24	100	PX26d	●

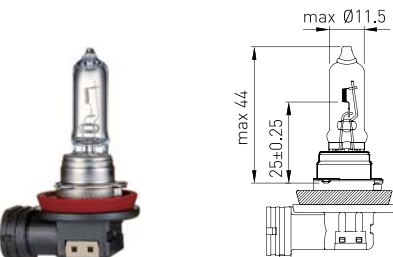
H8



Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE
	H00801	H8	STD	12	35	PGJ19-1	●
	H00802	H8	LL	12	35	PGJ19-1	●
	H00803	H8	SW	12	35	PGJ19-1	●
	H00804	H8	SWP	12	35	PGJ19-1	●
	H00805	H8	AW	12	35	PGJ19-1	●
	H00806	H8	YE	12	35	PGJ19-1	●
	H00807	H8	RA	12	55	PGJ19-1	●

H9

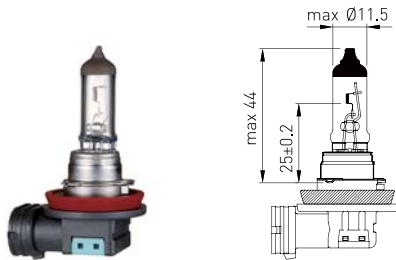


Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE
	H00901	H9	STD	12	65	PGJ19-5	●
	H00902	H9	LL	12	65	PGJ19-5	●
	H00903	H9	SW	12	65	PGJ19-5	●
	H00904	H9	SWP	12	65	PGJ19-5	●
	H00905	H9	YE	12	65	PGJ19-5	●
	H00906	H9	AW	12	65	PGJ19-5	●
	H00907	H9	RA	12	100	PGJ19-5	●



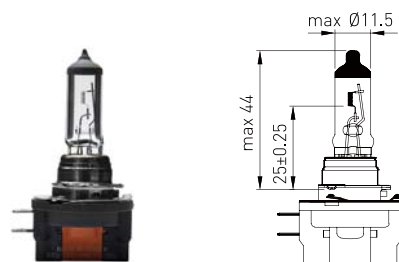
BIOLIGHT Automotive Halogen Bulb List

H11



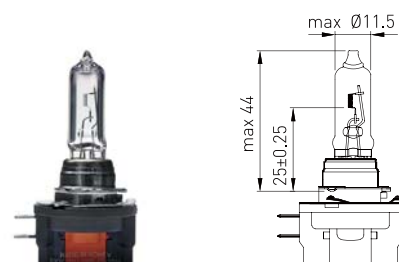
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	H01101	H11	STD	12	55	PGJ19-2	•
	H01102	H11	LL	12	55	PGJ19-2	•
	H01103	H11	VF	12	55	PGJ19-2	•
	H01104	H11	VFLL	12	55	PGJ19-2	•
	H01105	H11	SW	12	55	PGJ19-2	•
	H01106	H11	SWP	12	55	PGJ19-2	•
	H01107	H11	YE	12	55	PGJ19-2	•
	H01108	H11	AW	12	55	PGJ19-2	•
	H01109	H11	SV	12	55	PGJ19-2	•
	H01110	H11	SVP	12	55	PGJ19-2	•
	H01111	H11	SUV	12	55	PGJ19-2	•
	H01112	H11	SUVP	12	55	PGJ19-2	•
	H01113	H11	SUR	12	55	PGJ19-2	•
	H01114	H11	RA	12	80	PGJ19-2	•
	H01115	H11	RA	12	100	PGJ19-2	•
	H01116	H11	STD	24	70	PGJ19-2	•
	H01117	H11	SG	24	70	PGJ19-2	•
	H01118	H11	LL	24	70	PGJ19-2	•
	H01119	H11	VF	24	70	PGJ19-2	•
	H01120	H11	VFLL	24	70	PGJ19-2	•
	H01121	H11	SW	24	70	PGJ19-2	•
	H01122	H11	SWP	24	70	PGJ19-2	•
	H01123	H11	YE	24	70	PGJ19-2	•
	H01124	H11	AW	24	70	PGJ19-2	•

H8B



Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE
	H00850	H8B	STD	12	35	PGJY19-1	•
	H00851	H8B	LL	12	35	PGJY19-1	•
	H00852	H8B	SW	12	35	PGJY19-1	•
	H00853	H8B	SWP	12	35	PGJY19-1	•
	H00854	H8B	YE	12	35	PGJY19-1	•
	H00855	H8B	AW	12	35	PGJY19-1	•
	H00856	H8B	RA	12	55	PGJY19-1	•

H9B




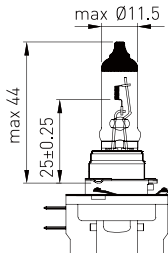
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	H00950	H9B	STD	12	65	PGJY19-5	•
	H00951	H9B	LL	12	65	PGJY19-5	•
	H00952	H9B	SW	12	65	PGJY19-5	•
	H00953	H9B	SWP	12	65	PGJY19-5	•
	H00954	H9B	YE	12	65	PGJY19-5	•
	H00955	H9B	AW	12	65	PGJY19-5	•
	H00956	H9B	RA	12	100	PGJY19-5	•

Bulb range legend

- STD : Standard
- VF : V- FORCE
- SWP : Super White Plus
- SUV : Super Ultra Vision
- SG : SINGLE
- VFLL : V-FORCE Long Life
- YE : Yellow
- SUVP : Super Ultra Vision Plus
- PV : Premium Vision
- HLP : HL+
- AW : All Weather
- SUR : Super Ultra Racing
- LL : Long Life
- RA : Rally
- SV : Super Vision
- SLL : Super Long Life
- SW : Super White
- SVP : Super Vision Plus


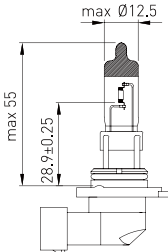
H11B



Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE
 	H01150	H11B	STD	12	55	PGJY19-2	•
	H01151	H11B	LL	12	55	PGJY19-2	•
	H01152	H11B	SW	12	55	PGJY19-2	•
	H01153	H11B	SWP	12	55	PGJY19-2	•
	H01154	H11B	YE	12	55	PGJY19-2	•
	H01155	H11B	AW	12	55	PGJY19-2	•
	H01156	H11B	RA	12	80	PGJY19-2	•
	H01157	H11B	RA	12	100	PGJY19-2	•


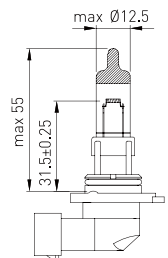
H10 (9145)



Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE
 	H01001	H10(9145)	STD	12	42	PY20d	•
	H01002	H10(9145)	SW	12	42	PY20d	•
	H01003	H10(9145)	SWP	12	42	PY20d	•
	H01004	H10(9145)	YE	12	42	PY20d	•
	H01005	H10(9145)	AW	12	42	PY20d	•
	H01006	9140	STD	12	40	P20d/40A	•
	H01007	9155	STD	12	55	P20d/55A	•


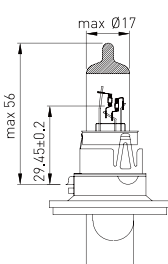
H12 (9055)



Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE
 	H01201	H12(9055)	STD	12	53	PZ20d	•
	H01202	9040	STD	12	40	P20d/40T	•
	H01203	9045	STD	12	45	P20d/45T	•

H13 (9008)



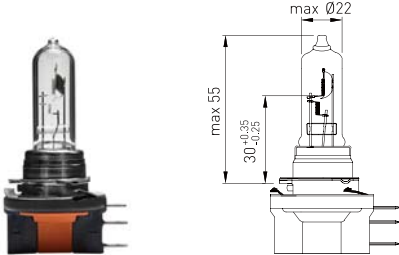
Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE
 	H01301	H13(9008)	STD	12	60/55	P26.4t	•
	H01302	H13(9008)	SW	12	60/55	P26.4t	•
	H01303	H13(9008)	SWP	12	60/55	P26.4t	•
	H01304	H13(9008)	YE	12	60/55	P26.4t	•
	H01305	H13(9008)	AW	12	60/55	P26.4t	•
	H01306	H13(9008)	RA	12	100/80	P26.4t	•



BIOLIGHT Automotive Halogen Bulb List

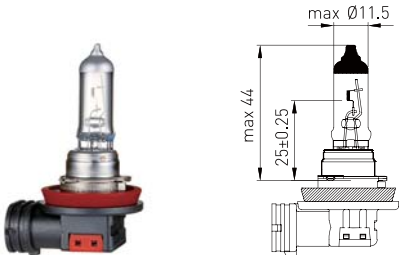
H15



Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE
	H01501	H15	STD	12	15/55	PGJ23t-1	
	H01502	H15	SW	12	15/55	PGJ23t-1	
	H01503	H15	SWP	12	15/55	PGJ23t-1	
	H01504	H15	YE	12	15/55	PGJ23t-1	
	H01505	H15	AW	12	15/55	PGJ23t-1	

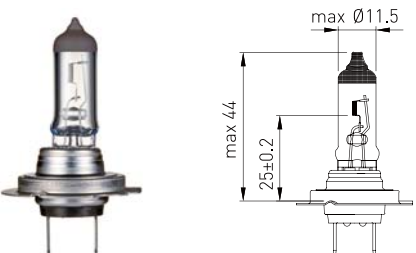
H16



Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE
	H01601	H16	STD	12	19	PGJ19-3	●
	H01602	H16	LL	12	19	PGJ19-3	●
	H01603	H16	SW	12	19	PGJ19-3	●
	H01604	H16	SWP	12	19	PGJ19-3	
	H01605	H16	YE	12	19	PGJ19-3	●
	H01606	H16	AW	12	19	PGJ19-3	●

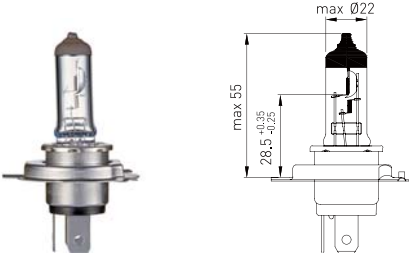
H18



Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE
	H01801	H18	STD	12	65	PY26d-1	●
	H01802	H18	LL	12	65	PY26d-1	●
	H01803	H18	SW	12	65	PY26d-1	●
	H01804	H18	SWP	12	65	PY26d-1	
	H01805	H18	YE	12	65	PY26d-1	●
	H01806	H18	AW	12	65	PY26d-1	●

H19




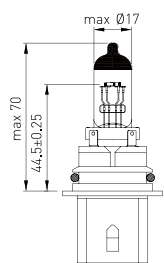
Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE
	H01901	H19	STD	12	60/55	PU43t-3	●
	H01902	H19	LL	12	60/55	PU43t-3	●
	H01903	H19	SW	12	60/55	PU43t-3	●
	H01904	H19	SWP	12	60/55	PU43t-3	
	H01905	H19	YE	12	60/55	PU43t-3	●
	H01906	H19	AW	12	60/55	PU43t-3	●

Bulb range legend

- STD : Standard
- VF : V- FORCE
- SWP : Super White Plus
- SUV : Super Ultra Vision
- SG : SINGLE
- VFLL : V-FORCE Long Life
- YE : Yellow
- SUVP : Super Ultra Vision Plus
- PV : Premium Vision
- HLP : HL+
- AW : All Weather
- SUR : Super Ultra Racing
- LL : Long Life
- RA : Rally
- SV : Super Vision
- SLL : Super Long Life
- SW : Super White
- SVP : Super Vision Plus


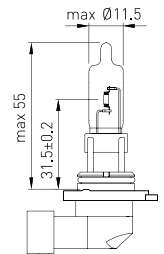
HB1 (9004)



Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE
 	H90401	HB1(9004)	STD	12	65/45	P29t	●
	H90402	HB1(9004)	SW	12	65/45	P29t	●
	H90403	HB1(9004)	SWP	12	65/45	P29t	●
	H90404	HB1(9004)	YE	12	65/45	P29t	●
	H90405	HB1(9004)	AW	12	65/45	P29t	●
	H90406	HB1(9004)	RA	12	100/80	P29t	●


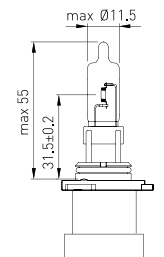
HB3 (9005)



Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE
 	H90501	HB3(9005)	STD	12	60	P20d	●
	H90502	HB3(9005)	LL	12	60	P20d	●
	H90503	HB3(9005)	HLP	12	60	P20d	●
	H90504	HB3(9005)	SW	12	60	P20d	●
	H90505	HB3(9005)	SWP	12	60	P20d	●
	H90506	HB3(9005)	YE	12	60	P20d	●
	H90507	HB3(9005)	AW	12	60	P20d	●
	H90508	HB3(9005)	SV	12	60	P20d	●
	H90509	HB3(9005)	SVP	12	60	P20d	●
	H90510	HB3(9005)	SUV	12	60	P20d	●
	H90511	HB3(9005)	SUVP	12	60	P20d	●
	H90512	HB3(9005)	SUR	12	60	P20d	●
	H90513	HB3(9005)	RA	12	100	P20d	●


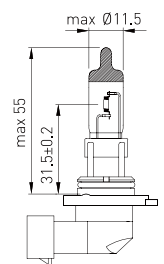
HB3A (9005XS)



Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE
 	H90550	HB3A(9005XS)	STD	12	60	P20d	●
	H90551	HB3A(9005XS)	SW	12	60	P20d	●
	H90552	HB3A(9005XS)	SWP	12	60	P20d	●
	H90553	HB3A(9005XS)	YE	12	60	P20d	●
	H90554	HB3A(9005XS)	AW	12	60	P20d	●
	H90555	HB3A(9005XS)	RA	12	100	P20d	●

HB4 (9006)



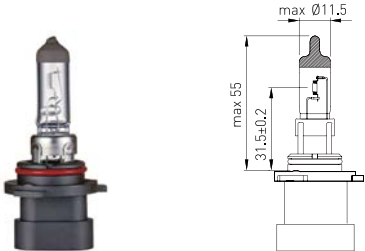
Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE
 	H90601	HB4(9006)	STD	12	51	P22d	●
	H90602	HB4(9006)	LL	12	51	P22d	●
	H90603	HB4(9006)	SW	12	51	P22d	●
	H90604	HB4(9006)	SWP	12	51	P22d	●
	H90605	HB4(9006)	YE	12	51	P22d	●
	H90606	HB4(9006)	AW	12	51	P22d	●
	H90607	HB4(9006)	SV	12	51	P22d	●
	H90608	HB4(9006)	SVP	12	51	P22d	●
	H90609	HB4(9006)	SUV	12	51	P22d	●
	H90610	HB4(9006)	SUVP	12	51	P22d	●
	H90611	HB4(9006)	SUR	12	51	P22d	●
	H90612	HB4(9006)	RA	12	80	P22d	●



BIOLIGHT Automotive Halogen Bulb List

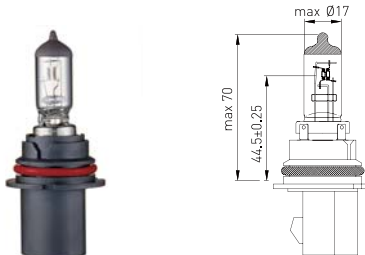
HB4A (9006XS)



Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE
	H90650	HB4A(9006XS)	STD	12	51	P22d	
	H90651	HB4A(9006XS)	SW	12	51	P22d	
	H90652	HB4A(9006XS)	SWP	12	51	P22d	
	H90653	HB4A(9006XS)	YE	12	51	P22d	
	H90654	HB4A(9006XS)	AW	12	51	P22d	
	H90655	HB4A(9006XS)	RA	12	80	P22d	

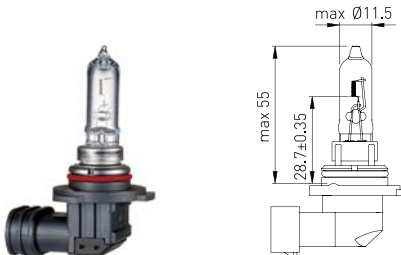
HB5 (9007)



Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE
	H90701	HB5(9007)	STD	12	65/55	PX29t	●
	H90702	HB5(9007)	SW	12	65/55	PX29t	●
	H90703	HB5(9007)	SWP	12	65/55	PX29t	
	H90704	HB5(9007)	YE	12	65/55	PX29t	●
	H90705	HB5(9007)	AW	12	65/55	PX29t	●
	H90706	HB5(9007)	RA	12	100/80	PX29t	

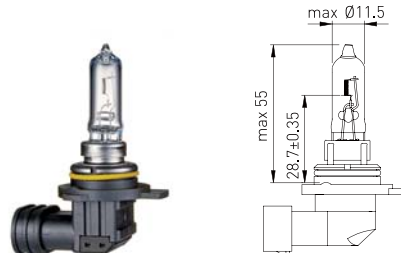
HIR1 (9011)



Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE
	H91101	HIR1(9011)	STD	12	65	PX20d	●
	H91102	HIR1(9011)	SW	12	65	PX20d	●
	H91103	HIR1(9011)	SWP	12	65	PX20d	
	H91104	HIR1(9011)	YE	12	65	PX20d	●
	H91105	HIR1(9011)	AW	12	65	PX20d	●

HIR2 (9012)




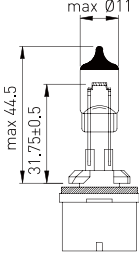
Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE
	H91201	HIR2(9012)	STD	12	55	PX22d	●
	H91202	HIR2(9012)	SW	12	55	PX22d	●
	H91203	HIR2(9012)	SWP	12	55	PX22d	
	H91204	HIR2(9012)	YE	12	55	PX22d	●
	H91205	HIR2(9012)	AW	12	55	PX22d	●
	H91206	HIR2(9012)	RA	12	100	PX22d	

Bulb range legend

- | | | | | |
|----------------------------|----------------------------------|----------------------------|---------------------|---------------------------|
| • STD : Standard | • SG : SINGLE | • PV : Premium Vision | • LL : Long Life | • SLL : Super Long Life |
| • VF : V- FORCE | • VFLL : V-FORCE Long Life | • HLP : HL+ | • RA : Rally | • SW : Super White |
| • SWP : Super White Plus | • YE : Yellow | • AW : All Weather | • SV : Super Vision | • SVP : Super Vision Plus |
| • SUV : Super Ultra Vision | • SUVP : Super Ultra Vision Plus | • SUR : Super Ultra Racing | | |


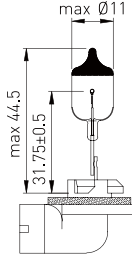
H27W/1 (880)



Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE
 	H88001	H27W/1(880)	STD	12	27	PG13	●
	H88002	H27W/1(880)	SW	12	27	PG13	●
	H88003	H27W/1(880)	SWP	12	27	PG13	●
	H88004	H27W/1(880)	YE	12	27	PG13	●
	H88005	H27W/1(880)	AW	12	27	PG13	●


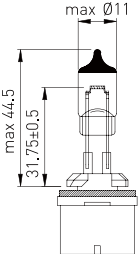
H27W/2 (881)



Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE
 	H88101	H27W/2(881)	STD	12	27	PGJ13	●
	H88102	H27W/2(881)	SW	12	27	PGJ13	●
	H88103	H27W/2(881)	SWP	12	27	PGJ13	●
	H88104	H27W/2(881)	YE	12	27	PGJ13	●
	H88105	H27W/2(881)	AW	12	27	PGJ13	●


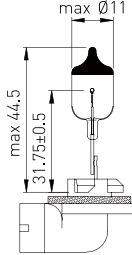
893 899



Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE
 	H89301	893	STD	12	37.5	PG13	
	H89901	899	STD	12	37.5	PG13	

896 898




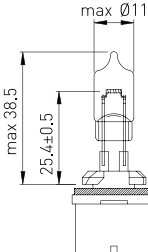
Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE
 	H89601	896	STD	12	37.5	PGJ13	
	H89801	898	STD	12	37.5	PGJ13	



BIOLIGHT Automotive Halogen Bulb List


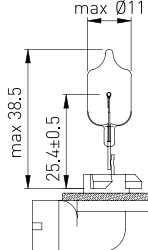
892 890



Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE
 	H89201	892	STD	12	16	PG13	
	H89001	890	STD	12	27	PGJ13	


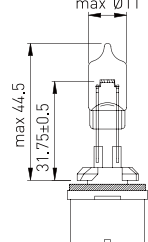
889



Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE
 	H88901	889	STD	12	27	PGJ13	


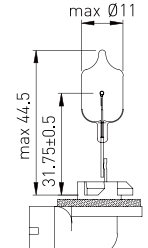
884 887 885



Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE
 	H88401	884	STD	12	27	PG13	
	H88701	887	STD	12	50	PG13	
	H88501	885	STD	12	50	PG13	

862 894 888 886



Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE
 	H86201	862	STD	12	37.5	PGJ13	
	H89401	894	STD	12	37.5	PGJ13	
	H88801	888	STD	12	50	PGJ13	
	H88601	886	STD	12	50	PGJ13	

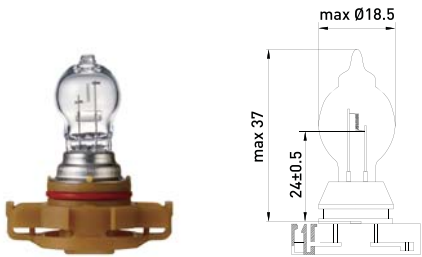
Bulb range legend

- STD : Standard
- VF : V- FORCE
- SWP : Super White Plus
- SUV : Super Ultra Vision
- SG : SINGLE
- VLL : V-FORCE Long Life
- YE : Yellow
- SUVP : Super Ultra Vision Plus
- PV : Premium Vision
- HLP : HL+
- AW : All Weather
- SUR : Super Ultra Racing
- LL : Long Life
- RA : Rally
- SV : Super Vision
- SLL : Super Long Life
- SW : Super White
- SVP : Super Vision Plus

PS19W



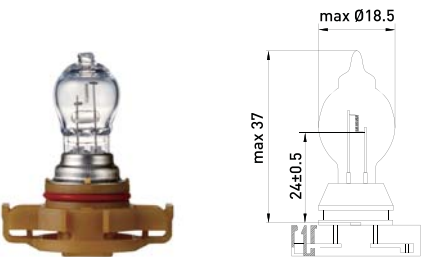
Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE
	P00001	PS19W	STD	12	19	PG20/1	



PS24W



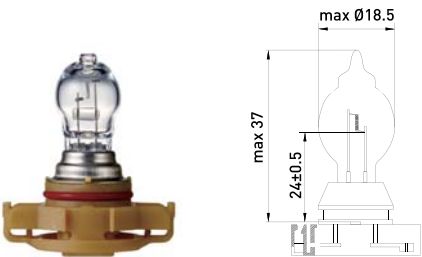
Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE
	P00002	PS24W	STD	12	24	PG20/3	



PSX24W



Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE
	P00003	PSX24W	STD	12	24	PG20/7	

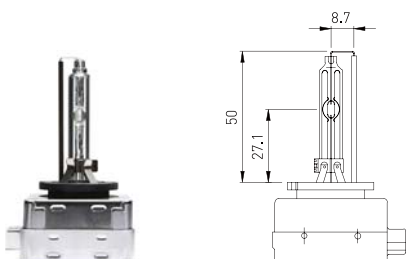




BIOLIGHT Automotive Xenon Bulb List

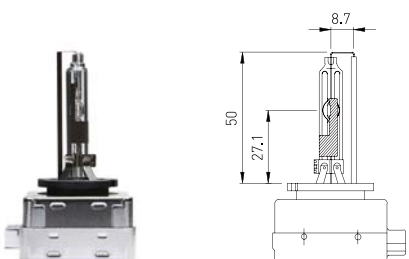
D1S



Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE	Kelvin
	D00101	D1S	YE	85	35	PK32d-2		3500K
	D00102	D1S	STD	85	35	PK32d-2	●	4300K
	D00103	D1S	WH	85	35	PK32d-2	●	5000K
	D00104	D1S	RW	85	35	PK32d-2		6000K
	D00105	D1S	BW	85	35	PK32d-2		8000K
	D00106	D1S	DB	85	35	PK32d-2		12000K

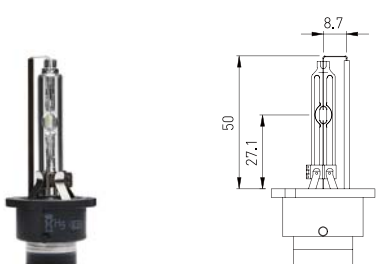
D1R



Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE	Kelvin
	D00150	D1R	YE	85	35	PK32d-3		3500K
	D00151	D1R	STD	85	35	PK32d-3		4300K
	D00152	D1R	WH	85	35	PK32d-3		5000K
	D00153	D1R	RW	85	35	PK32d-3		6000K
	D00154	D1R	BW	85	35	PK32d-3		8000K
	D00155	D1R	DB	85	35	PK32d-3		12000K

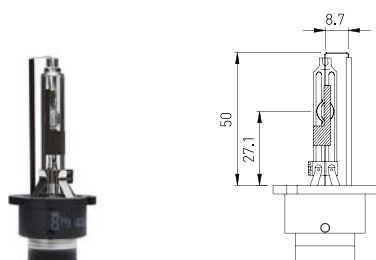
D2S



Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE	Kelvin
	D00201	D2S	YE	85	35	P32d-2		3500K
	D00202	D2S	STD	85	35	P32d-2	●	4300K
	D00203	D2S	WH	85	35	P32d-2	●	5000K
	D00204	D2S	RW	85	35	P32d-2		6000K
	D00205	D2S	BW	85	35	P32d-2		8000K
	D00206	D2S	DB	85	35	P32d-2		12000K

D2R



Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE	Kelvin
	D00250	D2R	YE	85	35	P32d-3		3500K
	D00251	D2R	STD	85	35	P32d-3	●	4300K
	D00252	D2R	WH	85	35	P32d-3	●	5000K
	D00253	D2R	RW	85	35	P32d-3		6000K
	D00254	D2R	BW	85	35	P32d-3		8000K
	D00255	D2R	DB	85	35	P32d-3		12000K

Bulb range legend


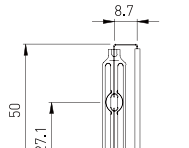
- YE : Yellow 3500k
- RW : Real White 6000k

- STD : Standard 4300k
- BW : Blue White 8000k

- WH : White 5000k
- DB : Deep Blue 12000k


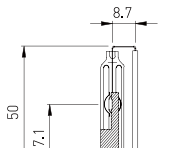
D3S



Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE	Kelvin
 	D00301	D3S	YE	42	35	PK32d-5		3500K
	D00302	D3S	STD	42	35	PK32d-5	●	4300K
	D00303	D3S	WH	42	35	PK32d-5	●	5000K
	D00304	D3S	RW	42	35	PK32d-5		6000K
	D00305	D3S	BW	42	35	PK32d-5		8000K
	D00306	D3S	DB	42	35	PK32d-5		12000K


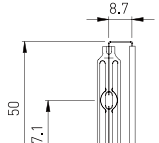
D3R



Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE	Kelvin
 	D00350	D3R	YE	42	35	PK32d-6		3500K
	D00351	D3R	STD	42	35	PK32d-6		4300K
	D00352	D3R	WH	42	35	PK32d-6		5000K
	D00353	D3R	RW	42	35	PK32d-6		6000K
	D00354	D3R	BW	42	35	PK32d-6		8000K
	D00355	D3R	DB	42	35	PK32d-6		12000K


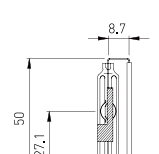
D4S



Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE	Kelvin
 	D00401	D4S	YE	42	35	PK32d-2		3500K
	D00402	D4S	STD	42	35	PK32d-2	●	4300K
	D00403	D4S	WH	42	35	PK32d-2	●	5000K
	D00404	D4S	RW	42	35	PK32d-2		6000K
	D00405	D4S	BW	42	35	PK32d-2		8000K
	D00406	D4S	DB	42	35	PK32d-2		12000K

D4R




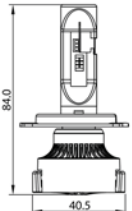
Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	ECE	Kelvin
 	D00450	D4R	YE	42	35	PK32d-3		3500K
	D00451	D4R	STD	42	35	PK32d-3		4300K
	D00452	D4R	WH	42	35	PK32d-3		5000K
	D00453	D4R	RW	42	35	PK32d-3		6000K
	D00454	D4R	BW	42	35	PK32d-3		8000K
	D00455	D4R	DB	42	35	PK32d-3		12000K



BIOLIGHT Automotive LED Bulb List


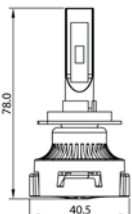
LED H4 [HL]



Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	lm	Kelvin
 	L00401	H4	RW	12	30	P43t	2400lm	6000K


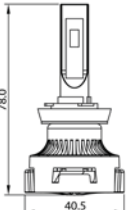
LED H7 [HL]



Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	lm	Kelvin
 	L00701	H7	RW	12	30	PX26d	2400lm	6000K


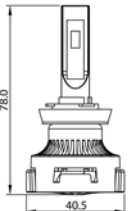
LED H8/H9/H11/16 [HL]



Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	lm	Kelvin
 	L00801	H8/H9/H11/H16	RW	12	30	PGJ19-1/2/3/5	2400lm	6000K


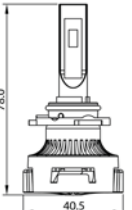
LED H8/H9/H11/16 [FOG]



Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	lm	Kelvin
 	L00802	H8/H9/H11/H16	RW	12	20	PGJ19-1/2/3/5	1600lm	6000K

LED HB3(9005)/HB4(9006) [HL]



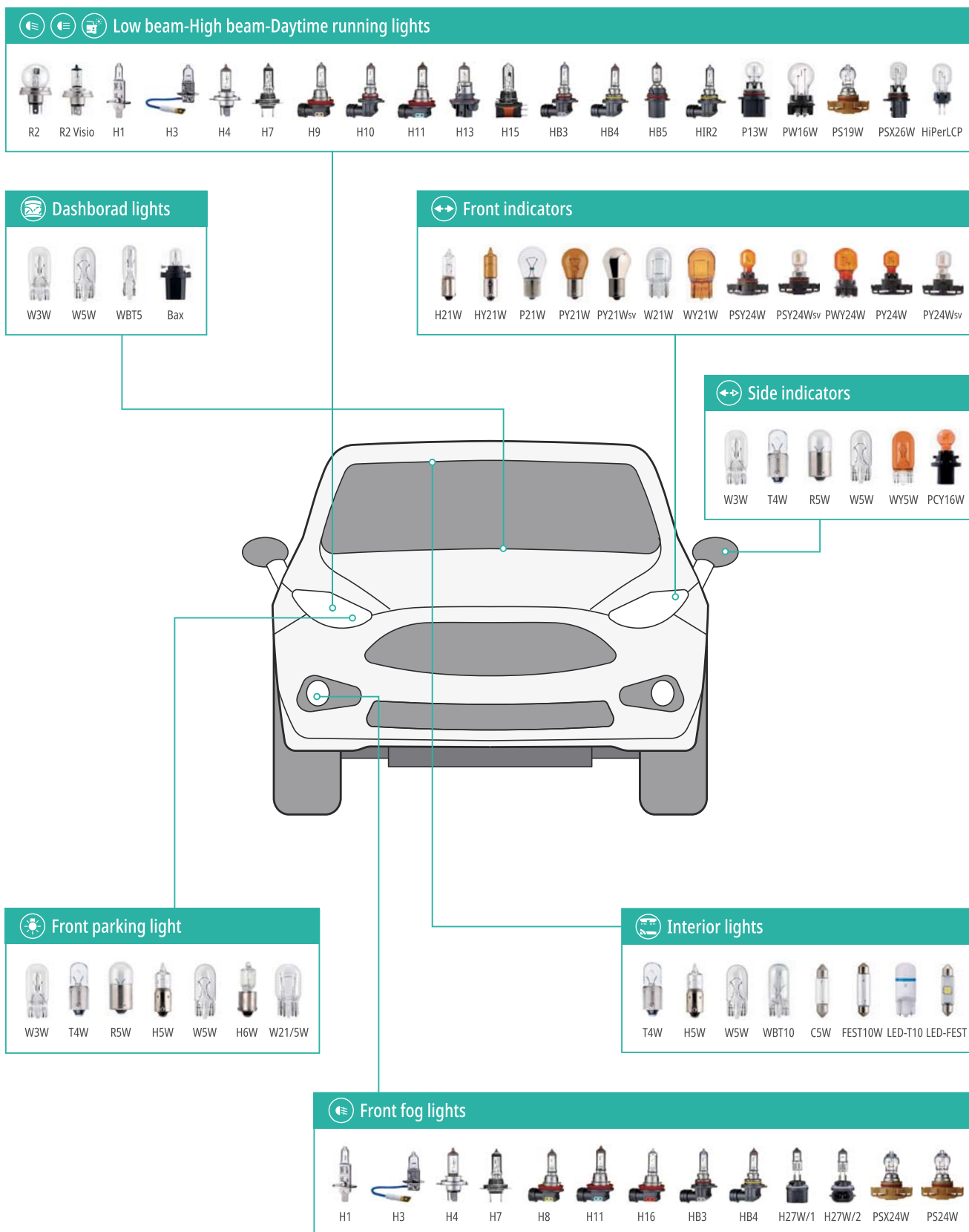
Product Image / Dimensions	Ordering number	Item	Range	V	W	Base	lm	Kelvin
 	L90501	HB3(9005)/HB4(9006)	RW	12	30	P20d/P22d	2400lm	6000K

Bulb range legend

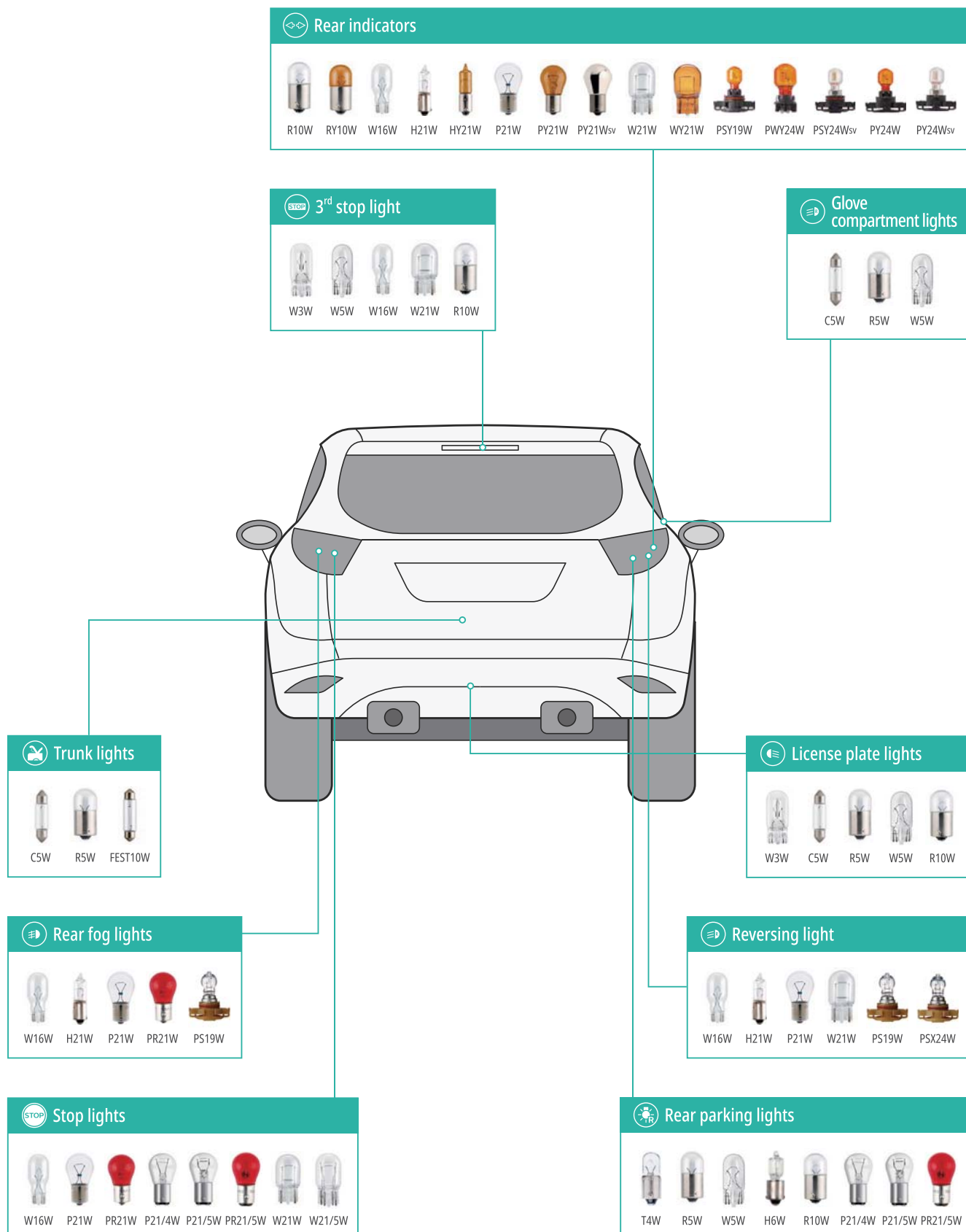
• RW : Real White 6000k

Bulb Application Table

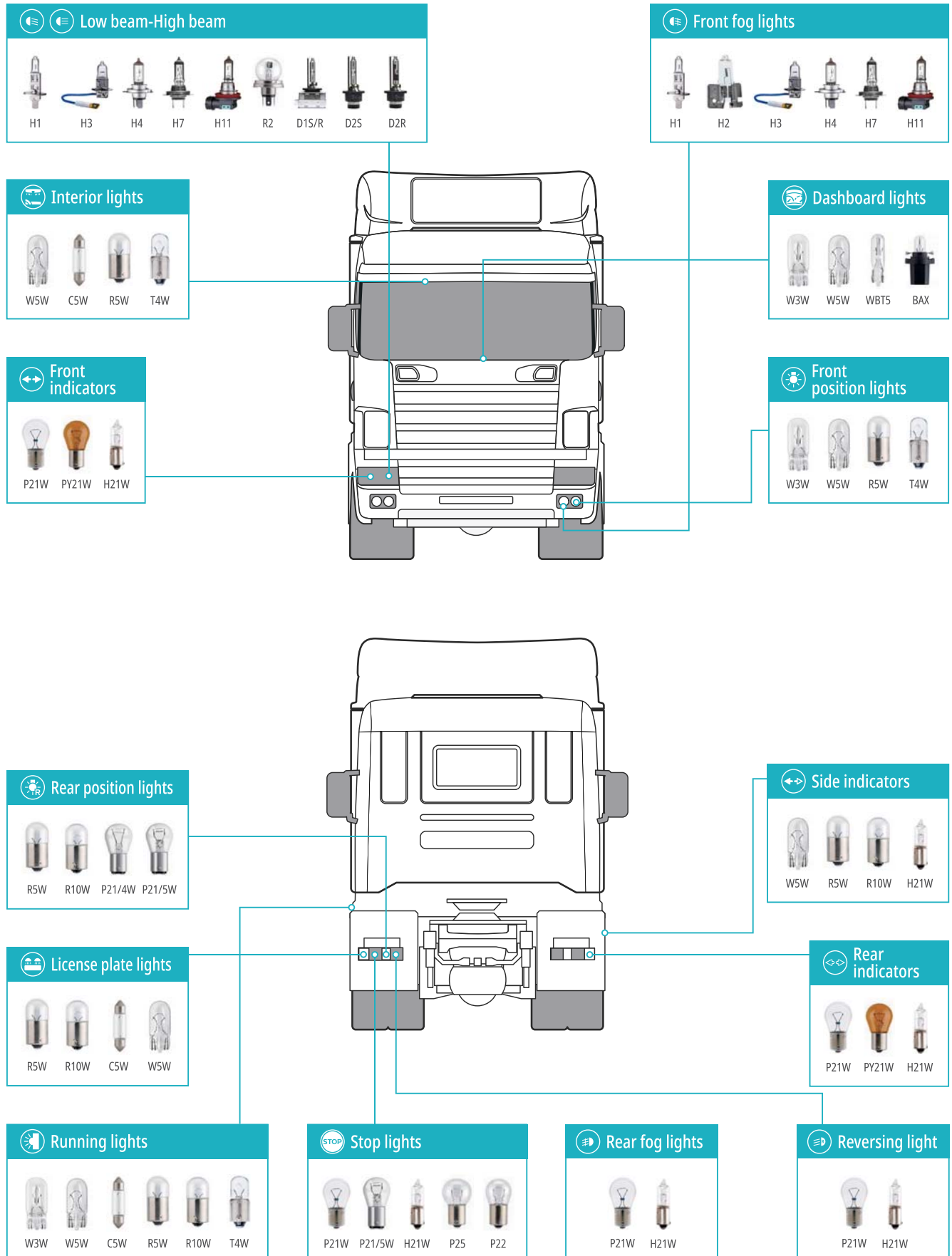
Passenger car



Bulb Application Table



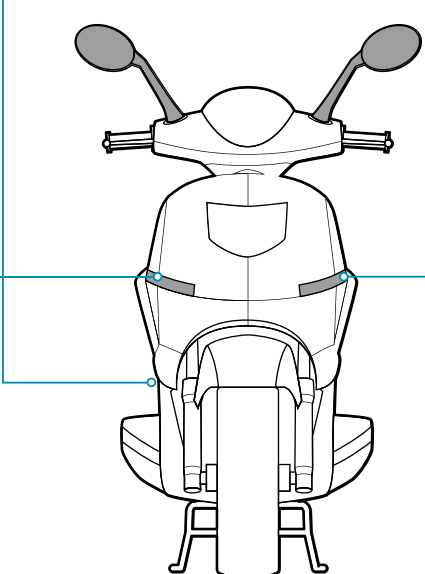
Commercial vehicle













Bulb Application Table









Motorcycle

Low beam-High beam



									
H1	H3	H4	H7	H11	HS1	HB4	R2	S2	S3

Front indicators

					
W5W	W16W	W21W	WY21W	WY5W	H21W
					
R5W	R10W	RY10W	P21W	PY21W	P21/5W

Front position light

				
T4W	R5W	R10W	H6W	W3W
				
W5W	W16W	T2W	T3W	

License plate light

						
W3W	W5W	T4W	R5W	R10W	H6W	C5W



Rear position light

							
W3W	W5W	W21/5W	T4W	R5W	R10W	P21W	P21/5W

Stop light

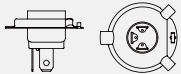
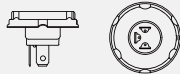
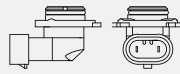
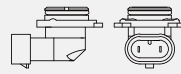
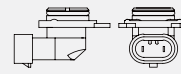
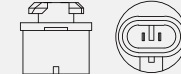
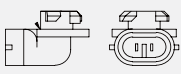
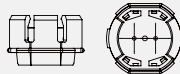


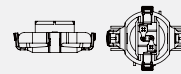
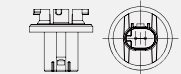
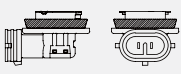
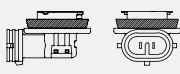
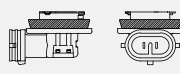
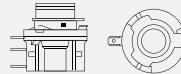
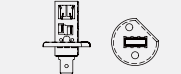
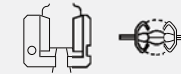
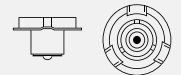
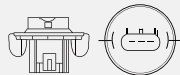
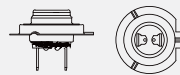

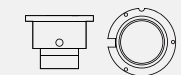
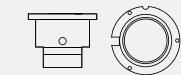
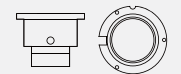
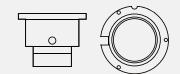
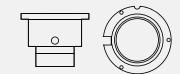
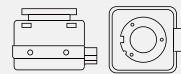
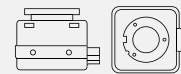
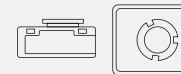
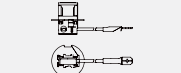
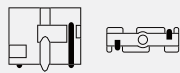
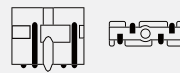
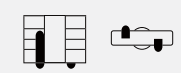
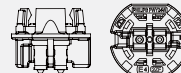

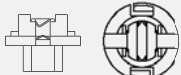


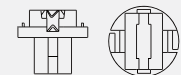


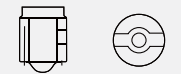



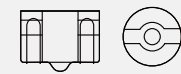

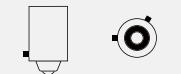
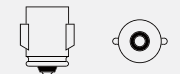




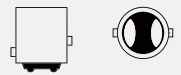
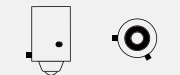

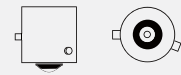
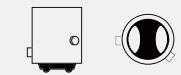
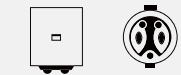
					
W16W	W21/5W	P21W	PR21W	P21/5W	PR21/5W

Rear indicators

				
W5W	W16W	W21W	WY21W	H21W
				
R5W	R10W	RY10W	P21W	PY21W



Base type

P43t-38 IEC 7004-39 	P45t-41 IEC 7004-95 	P20d-PY20d IEC 7004-31 	P22d IEC 7004-32 	PX22d 	PG13 IEC 7004-107 
PGJ13 IEC 7004-107 	HPSL HTR 	PG18,5d IEC 7004-147 	PG20 IEC 7004-127 	PGU20 	PU20d 
PGJ19-1/2 IEC 7004-110 	PGJ19-3 IEC 7004-110 	PGJ19-5 IEC 7004-110 	PGJ23t-1 	P14,5s IEC 7004-46 	X511 IEC 7004-99 
P26s 	PX26d,4t IEC 7004-128-2 	PX26d IEC 7004-5 	P29t-PX29t IEC 7004-66 	P32d IEC 7004-111 	P32d-2 IEC 7004-111 
P32d-3 IEC 7004-111 	P32d-5 IEC 7004-111 	P32d-6 IEC 7004-111 	PK32d-2 IEC 7004-111 	PK32d-3/5/6 IEC 7004-111 	PK32d-7 IEC 7004-111 
PK22s IEC 7004-47 	W3x16d IEC 7004-105-1 	W3x16q IEC 7004-106-1 	W2,1x9,5d 	WP3,3x14,5/3 	Bax 8,3s 
Bax 8,4d 	Bax 8,5d/1 	Bax 8,5d/2 	Bax 10d 	SV6 IEC 7004-5 	SV8,5-8 IEC 7004-81 
W2x4,6d IEC 7004-94 	W2,1x9,5d IEC 7004-91 	W3x16d IEC 7004-105 	W3x16q IEC 7004-106 	WX3x16d IEC 7004-105 	BAX 9s IEC 7004-8 
BAY 9s IEC 7004-9 	BA 7s 	BA 9s IEC 7004-14 	BA 15s IEC 7004-11A 	BA 15d IEC 7004-11A 	BAU 15s IEC 7004-11A 
BAY 15d IEC 7004-11B 	BAW 9s IEC 7004-149-1 	BAW 15d IEC 7004-11E-1 	BAW 15s IEC 7004-11E-11 	BAZ 15d IEC 7004-11C 	BA 20d IEC 7004-12 

Example

H00701 - A1

[H7 12V 55W Standard - Film shrink Individual Box Packaging]

H00701

Ordering number

A1

Packaging Design & Type

A1

Film shrink Individual Box Packaging
Content 1 * 10 Bulbs



A2

Individual Box Packaging
Content 1 * 10 Bulbs



B2

Twin Blister Card Packaging
Content 1 * 2 Bulbs



C2

Twin Plastic Case Packaging
Content 1 * 2 Bulbs





Product Index by Ordering Number



Halogen 12V/24V car lighting

Ordering number	Item	Range	V	W	Base	ECE	Page
H00101	H1	STD	12	55	P14.5s	●	06
H00102	H1	PV	12	55	P14.5s	●	06
H00103	H1	LL	12	55	P14.5s	●	07
H00104	H1	SLL	12	55	P14.5s	●	07
H00105	H1	VF	12	55	P14.5s	●	08
H00106	H1	VFLL	12	55	P14.5s	●	09
H00107	H1	SW	12	55	P14.5s	●	10
H00108	H1	SWP	12	55	P14.5s		10
H00109	H1	YE	12	55	P14.5s	●	11
H00110	H1	AW	12	55	P14.5s	●	11
H00111	H1	SV	12	55	P14.5s	●	12
H00112	H1	SVP	12	55	P14.5s	●	12
H00113	H1	SUV	12	55	P14.5s	●	13
H00114	H1	RA	12	100	P14.5s		09
H00115	H1	STD	24	70	P14.5s	●	06
H00116	H1	LL	24	70	P14.5s	●	07
H00117	H1	RA	24	100	P14.5s		09

Ordering number	Item	Range	V	W	Base	ECE	Page
H00301	H3	STD	12	35	PK22s		06
H00302	H3	STD	12	55	PK22s	●	06
H00303	H3	PV	12	55	PK22s	●	06
H00304	H3	LL	12	55	PK22s	●	07
H00305	H3	VF	12	55	PK22s	●	08
H00306	H3	VFLL	12	55	PK22s	●	09
H00307	H3	SW	12	55	PK22s	●	10
H00308	H3	SWP	12	55	PK22s		10
H00309	H3	YE	12	55	PK22s	●	11
H00310	H3	AW	12	55	PK22s	●	11
H00311	H3	SV	12	55	PK22s	●	12
H00312	H3	RA	12	100	PK22s		09
H00313	H3	STD	24	35	PK22s		06
H00314	H3	STD	24	55	PK22s		06
H00315	H3	STD	24	70	PK22s	●	06
H00316	H3	LL	24	70	PK22s	●	07
H00317	H3	RA	24	100	PK22s		09



Product Index by Ordering Number

Ordering number	Item	Range	V	W	Base	ECE	Page
H00401	H4	STD	12	60/55	P43t	●	06
H00402	H4	PV	12	60/55	P43t	●	06
H00403	H4	LL	12	60/55	P43t	●	07
H00404	H4	VF	12	60/55	P43t	●	08
H00405	H4	VFLL	12	60/55	P43t	●	09
H00406	H4	SW	12	60/55	P43t	●	10
H00407	H4	SWP	12	60/55	P43t		10
H00408	H4	YE	12	60/55	P43t	●	11
H00409	H4	AW	12	60/55	P43t	●	11
H00410	H4	SV	12	60/55	P43t	●	12
H00411	H4	SVP	12	60/55	P43t	●	12
H00412	H4	SUV	12	60/55	P43t		13
H00413	H4	SUVP	12	60/55	P43t	●	13
H00414	H4	SUR	12	60/55	P43t		14
H00415	H4	RA	12	75/75	P43t		09
H00416	H4	RA	12	100/90	P43t		09
H00417	H4	RA	12	130/100	P43t		09
H00418	H4	STD	24	75/70	P43t	●	06
H00419	H4	LL	24	75/70	P43t	●	07
H00420	H4	VF	24	75/70	P43t	●	08
H00421	H4	VFLL	24	75/70	P43t	●	09
H00422	H4	RA	24	100/90	P43t		09
H00423	H4	RA	24	130/100	P43t		09

Ordering number	Item	Range	V	W	Base	ECE	Page
H00450	H4	STD	12	60/55	P45t		06
H00451	H4	SW	12	60/55	P45t		10
H00452	H4	SWP	12	60/55	P45t		10
H00453	H4	YE	12	60/55	P45t		11
H00454	H4	AW	12	60/55	P45t		11
H00455	H4	RA	12	100/90	P45t		09
H00456	H4	RA	12	130/100	P45t		09
H00457	H4	STD	24	75/70	P45t		06
H00458	H4	RA	24	100/90	P45t		09
H00459	H4	RA	24	130/100	P45t		09

Ordering number	Item	Range	V	W	Base	ECE	Page
H00490	HS1	STD	12	35/35	PX43t	●	06
H00491	HS1	SW	12	35/35	PX43t	●	10
H00492	HS1	SWP	12	35/35	PX43t		10
H00493	HS1	YE	12	35/35	PX43t	●	11
H00494	HS1	AW	12	35/35	PX43t	●	11



Ordering number	Item	Range	V	W	Base	ECE	Page
H00701	H7	STD	12	55	PX26d	●	06
H00702	H7	PV	12	55	PX26d	●	06
H00703	H7	LL	12	55	PX26d	●	07
H00704	H7	SLL	12	55	PX26d	●	07
H00705	H7	VF	12	55	PX26d	●	08
H00706	H7	VFLL	12	55	PX26d	●	09
H00707	H7	SW	12	55	PX26d	●	10
H00708	H7	SWP	12	55	PX26d		10
H00709	H7	YE	12	55	PX26d	●	11
H00710	H7	AW	12	55	PX26d	●	11
H00711	H7	SV	12	55	PX26d	●	12
H00712	H7	SVP	12	55	PX26d	●	12
H00713	H7	SUV	12	55	PX26d	●	13
H00714	H7	SUVP	12	55	PX26d	●	13
H00715	H7	SUR	12	55	PX26d	●	14
H00716	H7	RA	12	80	PX26d		09
H00717	H7	RA	12	100	PX26d		09
H00718	H7	STD	24	70	PX26d	●	06
H00719	H7	SG	24	70	PX26d	●	-
H00720	H7	LL	24	70	PX26d	●	07
H00721	H7	VF	24	70	PX26d	●	80
H00722	H7	VFLL	24	70	PX26d	●	09
H00723	H7	SW	24	70	PX26d	●	10
H00724	H7	SWP	24	70	PX26d		10
H00725	H7	YE	24	70	PX26d	●	11
H00726	H7	AW	24	70	PX26d	●	11
H00727	H7	RA	24	100	PX26d		09

Ordering number	Item	Range	V	W	Base	ECE	Page
H00801	H8	STD	12	35	PGJ19-1	●	06
H00802	H8	LL	12	35	PGJ19-1	●	07
H00803	H8	SW	12	35	PGJ19-1	●	10
H00804	H8	SWP	12	35	PGJ19-1		10
H00805	H8	AW	12	35	PGJ19-1	●	11
H00806	H8	YE	12	35	PGJ19-1	●	11
H00807	H8	RA	12	55	PGJ19-1		09

Ordering number	Item	Range	V	W	Base	ECE	Page
H00901	H9	STD	12	65	PGJ19-5	●	06
H00902	H9	LL	12	65	PGJ19-5	●	07
H00903	H9	SW	12	65	PGJ19-5	●	10
H00904	H9	SWP	12	65	PGJ19-5		10
H00905	H9	YE	12	65	PGJ19-5	●	11
H00906	H9	AW	12	65	PGJ19-5	●	11
H00907	H9	RA	12	100	PGJ19-5		09



Product Index by Ordering Number

Ordering number	Item	Range	V	W	Base	ECE	Page
H01101	H11	STD	12	55	PGJ19-2	●	06
H01102	H11	LL	12	55	PGJ19-2	●	07
H01103	H11	VF	12	55	PGJ19-2	●	08
H01104	H11	VFLL	12	55	PGJ19-2	●	09
H01105	H11	SW	12	55	PGJ19-2	●	10
H01106	H11	SWP	12	55	PGJ19-2		10
H01107	H11	YE	12	55	PGJ19-2	●	11
H01108	H11	AW	12	55	PGJ19-2	●	11
H01109	H11	SV	12	55	PGJ19-2	●	12
H01110	H11	SVP	12	55	PGJ19-2	●	12
H01111	H11	SUV	12	55	PGJ19-2	●	13
H01112	H11	SUVP	12	55	PGJ19-2	●	13
H01113	H11	SUR	12	55	PGJ19-2	●	14
H01114	H11	RA	12	80	PGJ19-2		09
H01115	H11	RA	12	100	PGJ19-2		09
H01116	H11	STD	24	70	PGJ19-2	●	06
H01117	H11	SG	24	70	PGJ19-2	●	-
H01118	H11	LL	24	70	PGJ19-2	●	07
H01119	H11	VF	24	70	PGJ19-2	●	08
H01120	H11	VFLL	24	70	PGJ19-2	●	09
H01121	H11	SW	24	70	PGJ19-2	●	10
H01122	H11	SWP	24	70	PGJ19-2		10
H01123	H11	YE	24	70	PGJ19-2	●	11
H01124	H11	AW	24	70	PGJ19-2	●	11

Ordering number	Item	Range	V	W	Base	ECE	Page
H00850	H8B	STD	12	35	PGJY19-1	●	06
H00851	H8B	LL	12	35	PGJY19-1	●	07
H00852	H8B	SW	12	35	PGJY19-1	●	10
H00853	H8B	SWP	12	35	PGJY19-1		10
H00854	H8B	YE	12	35	PGJY19-1	●	11
H00855	H8B	AW	12	35	PGJY19-1	●	11
H00856	H8B	RA	12	55	PGJY19-1		09

Ordering number	Item	Range	V	W	Base	ECE	Page
H00950	H9B	STD	12	65	PGJY19-5	●	06
H00951	H9B	LL	12	65	PGJY19-5	●	07
H00952	H9B	SW	12	65	PGJY19-5	●	10
H00953	H9B	SWP	12	65	PGJY19-5		10
H00954	H9B	YE	12	65	PGJY19-5	●	11
H00955	H9B	AW	12	65	PGJY19-5	●	11
H00956	H9B	RA	12	100	PGJY19-5		09



Ordering number	Item	Range	V	W	Base	ECE	Page
H01150	H11B	STD	12	55	PGJY19-2	●	06
H01151	H11B	LL	12	55	PGJY19-2	●	07
H01152	H11B	SW	12	55	PGJY19-2	●	10
H01153	H11B	SWP	12	55	PGJY19-2		10
H01154	H11B	YE	12	55	PGJY19-2	●	11
H01155	H11B	AW	12	55	PGJY19-2	●	11
H01156	H11B	RA	12	80	PGJY19-2		09
H01157	H11B	RA	12	100	PGJY19-2		09

Ordering number	Item	Range	V	W	Base	ECE	Page
H01001	H10(9145)	STD	12	42	PY20d	●	06
H01002	H10(9145)	SW	12	42	PY20d	●	10
H01003	H10(9145)	SWP	12	42	PY20d		10
H01004	H10(9145)	YE	12	42	PY20d	●	11
H01005	H10(9145)	AW	12	42	PY20d	●	11
H01006	9140	STD	12	40	P20d/40A		06
H01007	9155	STD	12	55	P20d/55A		06

Ordering number	Item	Range	V	W	Base	ECE	Page
H01201	H12(9055)	STD	12	53	PZ20d		06
H01202	9040	STD	12	40	P20d/40T		06
H01203	9045	STD	12	45	P20d/45T		06

Ordering number	Item	Range	V	W	Base	ECE	Page
H01301	H13(9008)	STD	12	60/55	P26.4t	●	06
H01302	H13(9008)	SW	12	60/55	P26.4t	●	10
H01303	H13(9008)	SWP	12	60/55	P26.4t		10
H01304	H13(9008)	YE	12	60/55	P26.4t	●	11
H01305	H13(9008)	AW	12	60/55	P26.4t	●	11
H01306	H13(9008)	RA	12	100/80	P26.4t		09

Ordering number	Item	Range	V	W	Base	ECE	Page
H01501	H15	STD	12	15/55	PGJ23t-1		06
H01502	H15	SW	12	15/55	PGJ23t-1		10
H01503	H15	SWP	12	15/55	PGJ23t-1		10
H01504	H15	YE	12	15/55	PGJ23t-1		11
H01505	H15	AW	12	15/55	PGJ23t-1		11

Ordering number	Item	Range	V	W	Base	ECE	Page
H01601	H16	STD	12	19	PGJ19-3	●	06
H01602	H16	LL	12	19	PGJ19-3	●	07
H01603	H16	SW	12	19	PGJ19-3	●	10
H01604	H16	SWP	12	19	PGJ19-3		10
H01605	H16	YE	12	19	PGJ19-3	●	11
H01606	H16	AW	12	19	PGJ19-3	●	11



Product Index by Ordering Number

Ordering number	Item	Range	V	W	Base	ECE	Page
H01801	H18	STD	12	65	PY26d-1	●	06
H01802	H18	LL	12	65	PY26d-1	●	07
H01803	H18	SW	12	65	PY26d-1	●	10
H01804	H18	SWP	12	65	PY26d-1		10
H01805	H18	YE	12	65	PY26d-1	●	11
H01806	H18	AW	12	65	PY26d-1	●	11

Ordering number	Item	Range	V	W	Base	ECE	Page
H01901	H19	STD	12	60/55	PU43t-3	●	06
H01902	H19	LL	12	60/55	PU43t-3	●	07
H01903	H19	SW	12	60/55	PU43t-3	●	10
H01904	H19	SWP	12	60/55	PU43t-3		10
H01905	H19	YE	12	60/55	PU43t-3	●	11
H01906	H19	AW	12	60/55	PU43t-3	●	11

Ordering number	Item	Range	V	W	Base	ECE	Page
H90401	HB1(9004)	STD	12	65/45	P29t	●	06
H90402	HB1(9004)	SW	12	65/45	P29t	●	10
H90403	HB1(9004)	SWP	12	65/45	P29t		10
H90404	HB1(9004)	YE	12	65/45	P29t	●	11
H90405	HB1(9004)	AW	12	65/45	P29t	●	11
H90406	HB1(9004)	RA	12	100/80	P29t		09

Ordering number	Item	Range	V	W	Base	ECE	Page
H90501	HB3(9005)	STD	12	60	P20d	●	06
H90502	HB3(9005)	LL	12	60	P20d	●	07
H90503	HB3(9005)	HLP	12	60	P20d	●	08
H90504	HB3(9005)	SW	12	60	P20d	●	10
H90505	HB3(9005)	SWP	12	60	P20d		10
H90506	HB3(9005)	YE	12	60	P20d	●	11
H90507	HB3(9005)	AW	12	60	P20d	●	11
H90508	HB3(9005)	SV	12	60	P20d	●	12
H90509	HB3(9005)	SVP	12	60	P20d	●	12
H90510	HB3(9005)	SUV	12	60	P20d	●	13
H90511	HB3(9005)	SUVP	12	60	P20d	●	13
H90512	HB3(9005)	SUR	12	60	P20d	●	14
H90513	HB3(9005)	RA	12	100	P20d		09

Ordering number	Item	Range	V	W	Base	ECE	Page
H90550	HB3A(9005XS)	STD	12	60	P20d		06
H90551	HB3A(9005XS)	SW	12	60	P20d		10
H90552	HB3A(9005XS)	SWP	12	60	P20d		10
H90553	HB3A(9005XS)	YE	12	60	P20d		11
H90554	HB3A(9005XS)	AW	12	60	P20d		11
H90555	HB3A(9005XS)	RA	12	100	P20d		09



Ordering number	Item	Range	V	W	Base	ECE	Page
H90601	HB4(9006)	STD	12	51	P22d	●	06
H90602	HB4(9006)	LL	12	51	P22d	●	07
H90603	HB4(9006)	SW	12	51	P22d	●	10
H90604	HB4(9006)	SWP	12	51	P22d		10
H90605	HB4(9006)	YE	12	51	P22d	●	11
H90606	HB4(9006)	AW	12	51	P22d	●	11
H90607	HB4(9006)	SV	12	51	P22d	●	12
H90608	HB4(9006)	SVP	12	51	P22d	●	12
H90609	HB4(9006)	SUV	12	51	P22d	●	13
H90610	HB4(9006)	SUVP	12	51	P22d	●	13
H90611	HB4(9006)	SUR	12	51	P22d	●	14
H90612	HB4(9006)	RA	12	80	P22d		09

Ordering number	Item	Range	V	W	Base	ECE	Page
H90650	HB4A(9006XS)	STD	12	51	P22d		06
H90651	HB4A(9006XS)	SW	12	51	P22d		10
H90652	HB4A(9006XS)	SWP	12	51	P22d		10
H90653	HB4A(9006XS)	YE	12	51	P22d		11
H90654	HB4A(9006XS)	AW	12	51	P22d		11
H90655	HB4A(9006XS)	RA	12	80	P22d		09

Ordering number	Item	Range	V	W	Base	ECE	Page
H90701	HB5(9007)	STD	12	65/55	PX29t	●	06
H90702	HB5(9007)	SW	12	65/55	PX29t	●	10
H90703	HB5(9007)	SWP	12	65/55	PX29t		10
H90704	HB5(9007)	YE	12	65/55	PX29t	●	11
H90705	HB5(9007)	AW	12	65/55	PX29t	●	11
H90706	HB5(9007)	RA	12	100/80	PX29t		09

Ordering number	Item	Range	V	W	Base	ECE	Page
H91101	HIR1(9011)	STD	12	65	PX20d	●	06
H91102	HIR1(9011)	SW	12	65	PX20d	●	10
H91103	HIR1(9011)	SWP	12	65	PX20d		10
H91104	HIR1(9011)	YE	12	65	PX20d	●	11
H91105	HIR1(9011)	AW	12	65	PX20d	●	11

Ordering number	Item	Range	V	W	Base	ECE	Page
H91201	HIR2(9012)	STD	12	55	PX22d	●	06
H91202	HIR2(9012)	SW	12	55	PX22d	●	10
H91203	HIR2(9012)	SWP	12	55	PX22d		10
H91204	HIR2(9012)	YE	12	55	PX22d	●	11
H91205	HIR2(9012)	AW	12	55	PX22d	●	11
H91206	HIR2(9012)	RA	12	100	PX22d		09



Product Index by Ordering Number

Ordering number	Item	Range	V	W	Base	ECE	Page
H88001	H27W/1(880)	STD	12	27	PG13	●	06
H88002	H27W/1(880)	SW	12	27	PG13	●	10
H88003	H27W/1(880)	SWP	12	27	PG13		10
H88004	H27W/1(880)	YE	12	27	PG13	●	11
H88005	H27W/1(880)	AW	12	27	PG13	●	11
H88101	H27W/2(881)	STD	12	27	PGJ13	●	06
H88102	H27W/2(881)	SW	12	27	PGJ13	●	10
H88103	H27W/2(881)	SWP	12	27	PGJ13		10
H88104	H27W/2(881)	YE	12	27	PGJ13	●	11
H88105	H27W/2(881)	AW	12	27	PGJ13	●	11
H89301	893	STD	12	37.5	PG13		23
H89901	899	STD	12	37.5	PG13		23
H89601	896	STD	12	37.5	PGJ13		23
H89801	898	STD	12	37.5	PGJ13		23
H89201	892	STD	12	16	PG13		24
H89001	890	STD	12	27	PGJ13		24
H88901	889	STD	12	27	PGJ13		24
H88401	884	STD	12	27	PG13		24
H88701	887	STD	12	50	PG13		24
H88501	885	STD	12	50	PG13		24
H86201	862	STD	12	37.5	PGJ13		24
H89401	894	STD	12	37.5	PGJ13		24
H88801	888	STD	12	50	PGJ13		24
H88601	886	STD	12	50	PGJ13		24

Ordering number	Item	Range	V	W	Base	ECE	Page
P00001	PS19W	STD	12	19	PG20/1		25
P00002	PS24W	STD	12	24	PG20/3		25
P00003	PSX24W	STD	12	24	PG20/7		25

LED car lighting

Ordering number	Item	Range	V	W	Base	lm	Kelvin	Page
L00401	H4	RW	12	30	P43t	2400lm	6000K	28
L00701	H7	RW	12	30	PX26d	2400lm	6000K	28
L00801	H8/H9/H11/H16	RW	12	30	PGJ19-1/2/3/5	2400lm	6000K	28
L00802	H8/H9/H11/H16	RW	12	20	PGJ19-1/2/3/5	1600lm	6000K	28
L90501	HB3(9005)/HB4(9006)	RW	12	30	P20d/P22d	2400lm	6000K	28

Xenon car lighting

Ordering number	Item	Range	V	W	Base	ECE	Kelvin	Page
D00101	D1S	YE	85	35	PK32d-2		3500K	26
D00102	D1S	STD	85	35	PK32d-2	●	4300K	26
D00103	D1S	WH	85	35	PK32d-2	●	5000K	26
D00104	D1S	RW	85	35	PK32d-2		6000K	26
D00105	D1S	BW	85	35	PK32d-2		8000K	26
D00106	D1S	DB	85	35	PK32d-2		12000K	26
D00150	D1R	YE	85	35	PK32d-3		3500K	26
D00151	D1R	STD	85	35	PK32d-3		4300K	26
D00152	D1R	WH	85	35	PK32d-3		5000K	26
D00153	D1R	RW	85	35	PK32d-3		6000K	26
D00154	D1R	BW	85	35	PK32d-3		8000K	26
D00155	D1R	DB	85	35	PK32d-3		12000K	26
D00201	D2S	YE	85	35	P32d-2		3500K	26
D00202	D2S	STD	85	35	P32d-2	●	4300K	26
D00203	D2S	WH	85	35	P32d-2	●	5000K	26
D00204	D2S	RW	85	35	P32d-2		6000K	26
D00205	D2S	BW	85	35	P32d-2		8000K	26
D00206	D2S	DB	85	35	P32d-2		12000K	26
D00250	D2R	YE	85	35	P32d-3		3500K	26
D00251	D2R	STD	85	35	P32d-3	●	4300K	26
D00252	D2R	WH	85	35	P32d-3	●	5000K	26
D00253	D2R	RW	85	35	P32d-3		6000K	26
D00254	D2R	BW	85	35	P32d-3		8000K	26
D00255	D2R	DB	85	35	P32d-3		12000K	26
D00301	D3S	YE	42	35	PK32d-5		3500K	27
D00302	D3S	STD	42	35	PK32d-5	●	4300K	27
D00303	D3S	WH	42	35	PK32d-5	●	5000K	27
D00304	D3S	RW	42	35	PK32d-5		6000K	27
D00305	D3S	BW	42	35	PK32d-5		8000K	27
D00306	D3S	DB	42	35	PK32d-5		12000K	27
D00350	D3R	YE	42	35	PK32d-6		3500K	27
D00351	D3R	STD	42	35	PK32d-6		4300K	27
D00352	D3R	WH	42	35	PK32d-6		5000K	27
D00353	D3R	RW	42	35	PK32d-6		6000K	27
D00354	D3R	BW	42	35	PK32d-6		8000K	27
D00355	D3R	DB	42	35	PK32d-6		12000K	27
D00401	D4S	YE	42	35	PK32d-2		3500K	27
D00402	D4S	STD	42	35	PK32d-2	●	4300K	27
D00403	D4S	WH	42	35	PK32d-2	●	5000K	27
D00404	D4S	RW	42	35	PK32d-2		6000K	27
D00405	D4S	BW	42	35	PK32d-2		8000K	27
D00406	D4S	DB	42	35	PK32d-2		12000K	27
D00450	D4R	YE	42	35	PK32d-3		3500K	27
D00451	D4R	STD	42	35	PK32d-3		4300K	27
D00452	D4R	WH	42	35	PK32d-3		5000K	27
D00453	D4R	RW	42	35	PK32d-3		6000K	27
D00454	D4R	BW	42	35	PK32d-3		8000K	27
D00455	D4R	DB	42	35	PK32d-3		12000K	27



All about automotive lighting



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