

PHILIPS

Automotive lighting

Automotive lighting specification guide



X-tremeUltinon LED lighting



LED headlights and fog lights. Brighter. Whiter. Stronger.

New!

Philips X-tremeUltinon are our brightest LED upgrades

- Deliver **up to 5800 K arctic white light** for high-end styling that is noticeably whiter than standard
- Direct replacement for conventional halogen bulbs
- Patented **SafeBeam** technology eliminates glare to other drivers
- Patented **AirBoost** technology optimizes cooling
- **Automotive Grade** design and construction with rugged driver electronics built into the LED base
- Compact design makes installation easy
- Built-in resistor eliminates false light out warnings in H4, H7, HB3/HB4



Available in **CANADA ONLY**

LED Headlights: 9004, 9005, 9006, 9007, 9008, 9012, H1, H3, H4, H7, H11 LED Fog: H8/H16, 9145

*Compared to a standard halogen

UltinonSport LED for Fog and Powersports

New!

Discover your next adventure with LED light.

New UltinonSport LED for Fog and Powersports are the perfect upgrade from halogen to LED technology, these headlights were engineered to deliver durable, long-lasting performance in the toughest Powersports applications. UltinonSport LEDs let you spot obstacles faster, to keep you safer and drive with more confidence even in the most difficult terrain.

New UltinonSport LED for Fog and Powersports is the perfect bulb upgrade from halogen to LED technology, offering a durable, long-lasting performance and a powerful, cool white light of up to 6000 K color temperature.

- Automotive grade SMD LED chips
- Up to 2000 hours lifetime
- Compact design for easy installation

Available in:

9003, 9005/9006, 9007, 9008, 9145, H1, H3, H7, H9, H11, H8/H16, PS24WFF



LED integral beam



Powerful cool white light. See farther down the road.

High tech look

- More durable than a conventional sealed beam, with increased lifetime
- Wider versatility – compatible with 12V and 24V systems
- Brighter and whiter than conventional halogen lighting
- DOT compliant



Universal LED replacement upgrade for vehicles with H6024, H6054, H4651, H4656 applications

H4656LED

H6054LED

H6024LED

H4651LED



Ultinon LEDs

Brilliant performance in three colors for interior & exterior applications

Direct replacements for conventional bulbs

- Stylish, distinctive look
- Long lasting and energy saving LEDs
- Excellent light diffusion
- Automotive grade quality, designed and built for reliability and durability
- Instant-on performance gives following drivers more time to react safely to turning or braking
- OEM-style lens protects LED chip
- Up to 5,000 hours lifetime

Ultinon LED bulb interchange guide

Intense Red

Philips Part No.	Industry Part No.	Also Fits	CANbus Adapter
194RULRX2	194RLED	158, 168, 2825, 12961	CANbus 5W
1156RULRX2	1156RLED	1141, P21W	CANbus 21W
1157RULRX2	1157RLED	2057, 2357, P21/5W	CANbus 21W
3157RULRX2	3157RLED	3047, 3057, 3457, 4057, 4114, 4157	CANbus 21W
7440RULRX2	7440RLED		CANbus 21W
7443RULRX2	7443RLED	7444	CANbus 21W

Intense Amber

Philips Part No.	Industry Part No.	Also Fits	CANbus Adapter
194AULAX2	194ALE	158, 168, 2825, 12961	CANbus 5W
1156AULAX2	1156ALE	1141, P21W	CANbus 21W
1157AULAX2	1157ALE	2057, 2357, P21/5W	CANbus 21W
3157AULAX2	3157ALE	3047, 3057, 3457, 4057, 4114, 4157	CANbus 21W
7443AULAX2	7443ALE	7444	CANbus 21W

6000k White

Philips Part No.	Industry Part No.	Also Fits	CANbus Adapter
168ULWX2	168WLED	158, 194, 12961	CANbus 5W
194ULWX2	194WLED	158, 168, 12961	CANbus 5W
578ULWX1	578WLED	212-2, 211-2, 6411, 12866	CANbus 5W
921ULWX2	921WLED	904, 906, 912, 916	CANbus 21W
1156ULWX2	1156WLED	1141, P21W	CANbus 21W
1157ULWX2	1157WLED	2057, 2357, P21/5W	CANbus 21W
3156ULWX2	3156WLED	3155, 3456, 4156	CANbus 21W
3157ULWX2	3157WLED	3047, 3057, 3457, 4057, 4114, 4157	CANbus 21W
DE3175ULWX1	DE3175WLED	12818, DE3021, DE3022	CANbus 5W
6411ULWX1	6411WLED	212-2, 211-2, 578, 6411, 12866	CANbus 5W
6418ULWX1	6418WLED	12844, 12854, DE3423, DE3425	CANbus 5W
7440ULWX2	7440WLED		CANbus 21W
7443ULWX2	7443WLED		CANbus 21W
12961ULWX1	12961WLED	158, 168, 194	CANbus 5W

X1 = 1 bulb per pack / X2 = 2 bulbs per pack

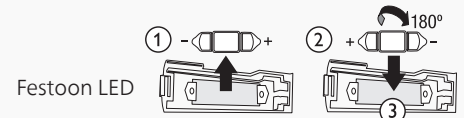
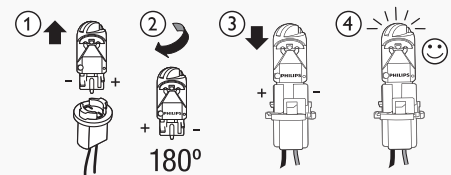


Troubleshooting tip: If your Ultinon LED bulb doesn't light up when you first install it, take it out, flip it 180° and reinstall it. Some Ultinon LEDs require a specific polarity and you may need to rotate the bulb to get the polarity correct.

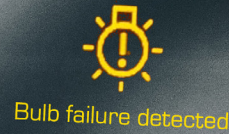
1. Remove the LED from the socket
2. Flip the LED 180°
3. Insert the LED back into the socket
4. Check to ensure the LED lights up

Do not force the LED or alter the socket.
Be sure that you have the right LED for your application.

Wedge-based LED



LED CANbus adapters



The simple, easy-to-install solution for eliminating common LED bulb issues.

LED upgrade lights are great. They're rugged, they last far longer than conventional bulbs, and they offer brilliant illumination. But in some vehicles, they can also trigger a false bulb failure warning.

Avoid false bulb failure warnings by installing the Philips LED CANbus Adapter.

Some cars use the vehicle's computer network (CANbus) system to verify the functioning of the vehicle's lights. Because LED bulbs have a lower wattage and draw much less power than conventional bulbs, when the system runs a check, the electrical resistance of an LED may be too low to be detected.

This creates a false warning that one of the lights has failed. Philips LED CANbus Adapters help prevent false bulb failure warnings.

In addition, a lot of auto manufacturers use PWM (or pulse width modulation) to precisely control the voltage to a bulb. One of the benefits of doing this is to improve bulb life.

These quick, voltage pulses (PWM) do not give a bulb filament time to cool down and dim, so for halogen bulbs the pulses are not noticeable.

However, with an LED bulb, these pulses are enough to turn the LEDs off and on very quickly, which results in a flashing of the light.

Philips CANbus adapters eliminate any issues introduced when installing an LED in place of a halogen bulb. Installation of the adapters takes just minutes.

Philips LED Headlight and Fog Light CANbus Adapters are available in:

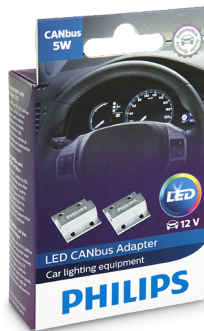
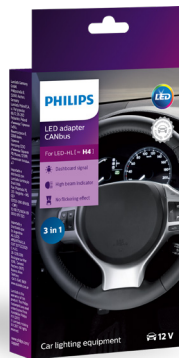
Part No.	Application
CANbus H7	Headlight (H7), Fog Light (H7)
CANbus H8 H11 H16	Headlight (H11), Fog Lights (H8, H11, H16)
CANbus HB3 HB4	Headlights (9005, 9006, 9012), Fog Light (9006)
CANbus H4	Headlight only (9003)
CANbus 9004	Headlight only (9004)
CANbus 9007	Headlight only (9007)
CANbus 9008	Headlight only (9008)
CANbus 9145	Fog Light only (9145)

Important: LED headlights not for sale in the USA; sold in Canada only.

Philips LED CANbus Adapters for interior & exterior bulbs are available in:

Part No.	Application
CANbus 5W	For use with interior and exterior LED applications (other than headlights and foglight)
CANbus 21W	For exterior LED applications

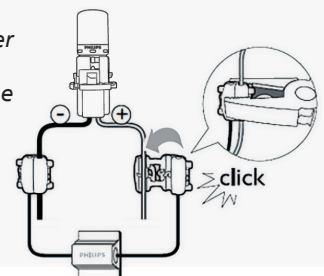
See charts on previous page for more info.



Troubleshooting tip: Some CANbus systems treat low power consumption of bulbs as a sign of a burned-out bulb, which causes a warning on the dashboard. Since LED bulbs consume much lower power than the original incandescent bulbs, they can trigger this warning in some vehicles.

Installing the Philips CANbus adapter in the circuit eliminates this problem. Installation takes only minutes.

CANbus adapter is installed in parallel with the corresponding LED bulb.



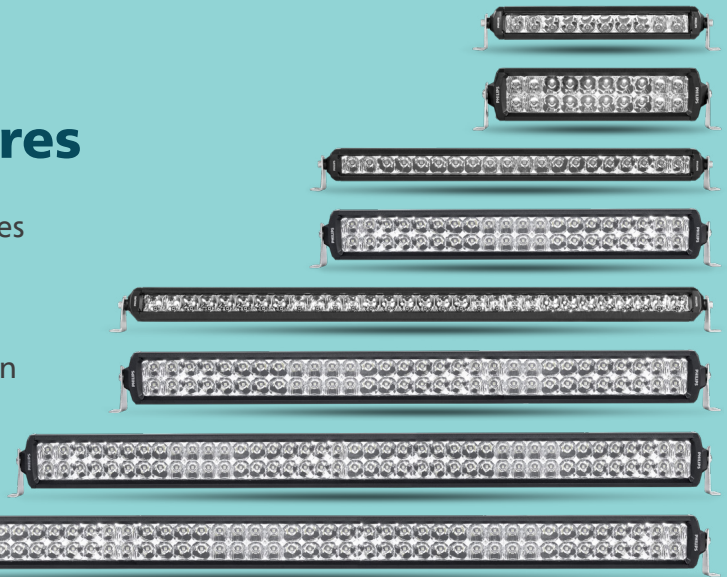
Philips Ultinon Drive 5000 series LED lightbars



Brilliant LED lighting for thrilling off-road adventures

For drivers who demand the maximum of themselves and their machines, we offer Philips Ultinon Drive 5000 series LED lightbars.

Exceptionally rugged, with unsurpassed illumination and beam focus, these advanced LED light bars can light the way wherever your adventure takes you.



Philips Ultinon Drive 5000 series LED lightbars at a glance

Model	UD5011L X1	UD5015L X1	UD5012L X1	UD5013L X1	UD5014L X1	UD5016L X1	UD5017L X1	UD5018L X1
Size / configuration	10" Single Row	10" Double Row	20" Single Row	20" Double Row	30" Single Row	30" Double Row	40" Double Row	50" Double Row
Light output (effective lumen)	Up to 2500	Up to 3500	Up to 4800	Up to 6500	Up to 7000	Up to 8200	Up to 9800	Up to 12000
Raw lumen	4760	9520	9520	19040	14280	28560	38080	47600
Beam length 1 lux in yards	Up to 423	Up to 426	Up to 568	Up to 579	Up to 623	Up to 722	Up to 792	Up to 833
Color temperature	6500 K	6500 K	6500 K	6500 K	6500 K	6500 K	6500 K	6500 K
Heat sink	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Ingress protection rating (IP)	IP68 / IP69K	IP68 / IP69K	IP68 / IP69K	IP68 / IP69K	IP68 / IP69K	IP68 / IP69K	IP68 / IP69K	IP68 / IP69K
Impact protection rating (IK)	IK07	IK07	IK07	IK07	IK07	IK07	IK07	IK07
Voltage	9-30 Volt DC	9-30 Volt DC	9-30 Volt DC	9-30 Volt DC	9-30 Volt DC	9-36 Volt DC	9-36 Volt DC	9-36 Volt DC
Operating temperature	-40° F to 176° F	-40° F to 176° F	-40° F to 176° F	-40° F to 176° F	-40° F to 176° F	-40° F to 176° F	-40° F to 176° F	-40° F to 176° F

Accessories

UD1005W X1
Single Lamp Wiring Kit



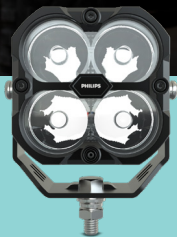
UD1006W X1
Dual Lamp Wiring Kit



UD1007W X1
Single Lamp High Wattage Wiring Kit



Philips Ultinon Drive 5000 series LED pod lights



Powerful LED lighting in Spot, Driving, Flood and Combo beam patterns

Philips Ultinon Drive LED pod lights give you versatile mounting options and a choice of beam patterns, to light up the trail with brilliant illumination. Designed for years of reliable service in rugged off-road conditions, these LED lights are rated IK07 for impact protection and IP68/IP69K for ingress protection.

Philips Ultinon Drive 5000 series LED pod lights at a glance

Model	UD5001C X1	UD5002C X1	UD5003C X1	UD5012R X1	UD5011R X1
Size / configuration	3" Cube Spot	3" Cube Driving	3" Cube Flood	4" Round Flood	7" Round Combo
Light output (effective lumen)	Up to 2550	Up to 2500	Up to 2450	Up to 1700	Up to 4200
Raw lumen	3480	3480	3480	2340	10290
Beam length 1 lux in yards	Up to 306	Up to 161	Up to 80	Up to 50	Up to 426
Color temperature	6000 K	6000 K	6000 K	6000 K	6500 K
Heat sink	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Ingress protection rating (IP)	IP68 / IP69K	IP68 / IP69K	IP68 / IP69K	IP68 / IP69K	IP68 / IP69K
Impact protection rating (IK)	IK07	IK07	IK07	IK07	IK07
Voltage	9-48 Volt DC	9-48 Volt DC	9-48 Volt DC	9-36 Volt DC	9-30 Volt DC
Operating temperature	-40° F to 176° F	-40° F to 176° F	-40° F to 176° F	-40° F to 176° F	-40° F to 176° F



Xperion 6000 LED work lights

Philips Xperion 6000 LED work lights were conceived, engineered, and built for auto service professionals.

- State-of-the-art Philips Xperion LED chips
- Incredibly rugged construction with excellent resistance to impacts, water, and solvents
- Innovative features such as 360° rotating hooks, hinged light panels, and multiple illumination modes
- Designed to deliver years of reliable service and brilliant illumination

Xperion 6000 UV Pillar Advanced lighting performance that lasts

Our premium work light, UV Pillar features exceptionally long battery life, a main light that's rated CRI95 for critical color matching, a UV inspection light, and a 180 Lumens spotlight.

Strong magnet and 360° rotatable hook	Precision light with ergonomic design and wide beam angle	High CRI95 main light and UV inspection light



Xperion 6000 Pillar Work all day on a single charge

The Philips Xperion 6000 Pillar LED work light lasts all day on a single charge. Its bright 500 and 250 Lumens main light and built-in 180 Lumens spotlight will meet multiple needs. Foldable for easy carrying and adjustable lighting angles.

Strong magnet and 360° rotatable hook	Precision light with ergonomic design and wide beam angle	Long operating time in different light modes



Xperion 6000 Pocket The compact but powerful light

Compact and powerful, Pocket's wide-beam light delivers up to 300 Lumens in Boost mode to give you the bright light you need. An ultra-flexible 100 Lumens, 10" gooseneck spotlight is perfect for confined spaces.

Strong magnet and 360° rotatable hook	Precision light with ergonomic design and wide beam angle	Long operating time in different light modes





Xperion 6000 Slim Perfect for narrow spaces

The versatile Philips Xperion 6000 Slim is ideal for narrow spaces. Featuring 500 Lumens in Boost and 250 Lumens in Eco mode, its unique 270° rotating light module helps you direct the powerful beam where you need it.

<p>Strong magnet and 360° rotatable hook</p>	<p>Unique 270° rotating light module and wide beam angle</p>	<p>Long operating time in different light modes</p>



Xperion 6000 Line Work on larger areas

Designed with a 110° broad beam of 300 Lumens in Boost and 150 Lumens in Eco mode, the Philips Xperion 6000 Line is ideal for lighting up larger areas. It features a main light with 20 Xperion LEDs and a 120 Lumens spotlight beam.

<p>Strong magnet and 360° rotatable hook</p>	<p>Precision light with ergonomic design and wide beam angle</p>	<p>Long operating time in different light modes</p>



Xperion 6000 Flood Audio LED projector light

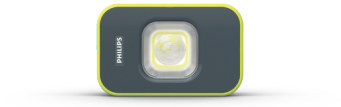
The flood audio features a 1000 Lumens Floodlight and a 250 Lumens variable beam spotlight. The smart-zoom knob and motion sensor simplify control, while Bluetooth speakers are music to the ears. Includes a USB power bank function.

<p>Versatile attachments with integrated magnets</p>	<p>Premium LED light with multiple outputs and light setting memory</p>	<p>Long operating time in different light modes</p>



Xperion 6000 Flood Mini Compact LED projector light

With a 500 Lumens Floodlight and a 250 Lumens variable beam spotlight, the Philips Xperion 6000 Flood mini projector gets the job done. The smart-zoom knob simplifies control, while resistance to impacts and water guarantees durability.



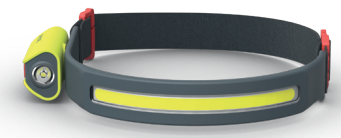
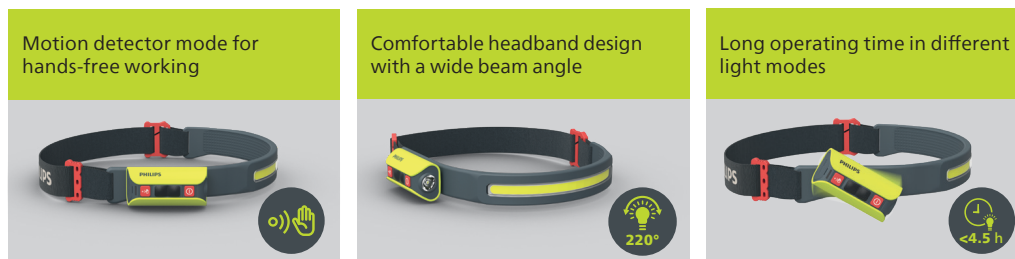
Xperion 6000 Penlight Premium LED penlight

The Penlight is ideal for quick inspection jobs. Small and rechargeable, it lets you work a full day without interruption. Designed with multiple light outputs, providing up to 200 Lumens in Boost mode, 120 Lumens in Spotlight mode, and 100 Lumens in Eco mode. The Penlight features a 45° rotatable magnetic clip as well as a battery-status indicator.



Xperion 6000 Headlamp Dual mode LED headlamp

The Headlamp headband-mounted work light puts brilliant LED illumination right on the task at hand. Powered by state-of-the-art Xperion LED chips, the Headlamp features two light sources. Across the front of the headband, an LED light strip provides a broad beam of light of up to 300 Lumens in Boost mode and up to 150 Lumens in Eco mode. A spotlight mounted on the side of the headband provides a narrow, intense beam of up to 120 Lumens. The hands-free motion detection feature allows you to turn on and off the light without touching it. The Headlamp is resistant to solvents and is rated IK07/IP65 against impacts and dust and water intrusion.



Xperion 6000 Under Hood Light Versatile, flexible hood light for cars, vans, and trucks

This powerful LED light with multiple light outputs provides up to 1200 Lumens and a 5800 K color temperature. Designed with 32 top quality LEDs, the light has a bright, 120° wide beam angle that will light up the entire engine compartment. Attaches to the car from both sides with extendable mount and is equipped with motion detection.



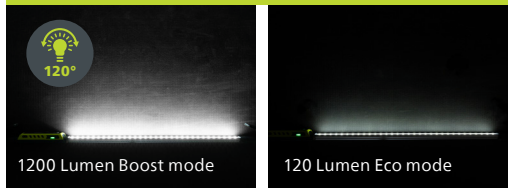
Motion detector mode for hands-free working



Telescopic extendable mount from both sides



Bright 120° wide beam angle; Dimmable light output



Multi Dock Station

Docking station for charging multiple devices

The Philips Multi Dock Station can charge two devices at a time.

- LED indicator to show charging status
- Dedicated space for the Find My Device remote control
- Compatible with Philips Xperion 6000 UV Pillar, Pillar, Pocket, Slim and Flood Mini



Find My Device

A handy way to find misplaced devices

With the Philips Find My Device accessory, you can use the remote control to trigger an audible buzzer and a flashing light, to find most lost Philips Xperion 6000 devices. It works up to 32 feet.

- Find My Device is sold separately for UV Pillar, Pillar, Slim and Flood Mini models
- Use the Find My Device to locate your misplaced Philips Xperion UV Pillar, Pillar, Slim and Flood Mini work lights



NightGuide platinum



Premium upgrade headlight bulbs.
Improved performance for your driving safety.

New!



Up to 130% more vision* compared to a standard halogen bulb.

Philips NightGuide platinum premium upgrade headlight bulbs improve visibility at night and enhance driver comfort by reducing fatigue. Projecting light farther ahead gives drivers more time to react for safer driving.

- Innovative high performance beam
- Cool beam color – up to 3400 K
- DOT compliant

Available in:

9003, 9004, 9005, 9005XS, 9006, 9006XS, 9007, 9008, 9012, H1, H7, H11, H11B



*Compared to standard minimum legal requirements in low beam headlamp test results

CrystalVision platinum



Premium upgrade headlight bulbs.
Powerful performance, brilliant white light.

New!



For drivers who want a bright and stylish driving experience.

Philips **CrystalVision platinum** premium upgrade headlight bulbs deliver a sharp, irresistible look. A new patented, ultra-white gradient coating creates up to 4000 K white light.

- High-performance filament
- Up to **60% more vision*** for a safer drive
- DOT compliant

Available in:

9003, 9004, 9005, 9005XS, 9006, 9006XS, 9007, 9008, 9012, 9145, H1, H3, H7, H11, H11B, PS24WFF, PSX24W



*Compared to standard minimum legal requirements in low beam headlamp test results

Xenon HID



Xenon HID lights deliver up to twice as much light as halogen bulbs but consume less power.



Original equipment quality

Philips is a world leader and innovator in the design, development, and production of Xenon HID lighting. The Xenon HID bulbs we sell as replacement lighting are the same quality as those we supply to vehicle makers around the world.

For HID lights D1S / D1R / D2S / D2SCV / D2R / D2RCV

⚠ WARNING: In case the glass breaks, this product can expose you to thorium dioxide, which is known to the State of California to cause cancer, and mercury, which is known to the State of California to cause birth defects or other reproductive harm. For more information please visit: www.P65Warnings.ca.gov.



For HID lights D3S / D3R / D4S / D5S

⚠ WARNING: In case the glass breaks, this product can expose you to radionuclides, which are known to the State of California to cause cancer. For more information please visit: www.P65Warnings.ca.gov.



Philips Authenticity Check QR code helps protect buyers from counterfeits.

Available in:

D1RC1 D1SC1 D2RC1 D2SC1 D3RC1
D3SC1 D4RC1 D4SC1 D5SC1

Standard Halogen Bulb



Xenon HID



Headlight Restoration Kit



With UV Protection – See clearly. Drive safer.

UV protection formula provides two years of protection from re-hazing.

Yellow, hazy headlight lenses are an eyesore and a danger to you and your passengers. Philips Headlight Restoration Kit takes the haze away, restoring the headlights to like-new condition.

Compared with other kits that require power tools,

our advanced technology delivers excellent results with minimal effort and is extremely simple to use. In four easy steps, you can achieve professional results.

Philips offers high quality products for more safety, and the Philips Headlight Restoration Kit helps make the most of your driving experience.



Part number: HRK00XM

Can Be Used on:
Headlights | Taillights
Turn Signal Lights and
Reflective Lens Covers



MasterDuty lighting



MasterDuty headlight bulbs are the latest innovation in commercial vehicle lighting, made especially for class 2-8 truck applications.

Built to last

- Philips MasterDuty bulbs are the toughest lamps for medium and heavy duty vehicles.
- Designed to withstand extreme stress and vibration.
- Vibration resistance is key to ensure the duration of MasterDuty bulbs.
- Up to 13G resistant.

Available in:

H1MDC1	9003MDC1
H7MDC1	9005MDC1
H11MDC1	9006MDC1
	9008MDC1



LongerLife commercial



Upgrade your commercial offering with Philips LongerLife products.

With longer lifetime, Philips LongerLife is the choice for drivers seeking to minimize maintenance on their vehicles, without compromising on light output.

Changing a lamp is a hassle and can be very time-consuming. Philips is committed to provide the highest quality standard lighting solutions to minimize this maintenance.



Commercial portfolio



A full range of headlight bulbs, miniatures, and sealed beams. Get name-brand recognition in commercial packaging.

Philips commercial portfolio provides more than just a white box program, you get the brand name recognition that is known worldwide.

The program includes a **complete offering of standard OE replacement lighting**, including a full range of headlight bulbs, halogen and

incandescent sealed beam headlamps, and miniature bulbs for both interior and exterior vehicle applications.

Our entire range of innovative 12V and 24V lighting solutions is engineered to bring more added value to your business while meeting the needs of your customers!

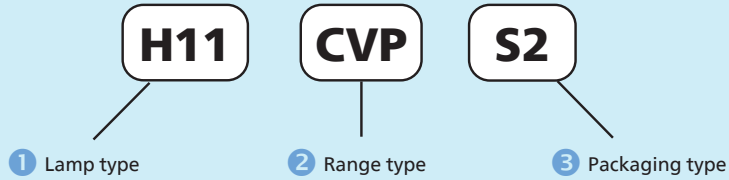


Understanding Philips **ordering codes**

All our automotive lighting products can be ordered using **Philips Order Entry**.

With Philips Order Entry you can identify the **1 lamp type**, the **2 product range** and the **3 packaging type**.

Example: **H11CVPS2**
CrystalVision platinum, Special Pack containing two H11 bulbs



1 Lamp type

Every **lamp type** is designated by Philips with a unique number. (See next page for examples.)

2 Range types

Most lamp types are available in different packaging that is linked to color codes (PR – Vision, blue; VP – VisionPlus, violet; NGp - NightGuide platinum, dark purple etc.).

Standard



Standard



Standard Miniatures

Safety



Vision
Up to **30%** more vision



VisionPlus
Up to **60%** more vision



NightGuide platinum
Up to **130%** more vision



LongerLife
Miniatures



MasterDuty
Commercial Lighting

Style



CrystalVision platinum
Brilliant white light



Ultinon LED Interior
& Exterior Lighting



LED Integral Beam



X-tremeUltinon LED
Headlights and Fogs



UltinonSport LEDs for
Fog and Powersports

Important: LED headlights not for sale in the USA; sold in Canada only.

3 Packaging types



Single blister
Material: blister/plastic
Contents: 1 lamp
Packaging type: **B1**



Double blister
Material: blister/plastic
Contents: 2 lamps
Packaging type: **B2**



Commercial Pack
Material: carton
Contents: 1 lamp (**C1**)
Contents: 10 lamps (**CP**)
Packaging type: **C1/CP**



Sealed Beam
Material: carton
Contents: 1 lamp
Packaging type: **X1**



LED Integral Beam
Material: carton
Contents: 1 lamp (**X1**)
Packaging type: **X1**



Special Pack
Material: carton
Contents: 2 lamps (**X2**)
Packaging type: **X2**



Special Pack
Material: windowed carton
Contents: 2 lamps (**S2**)
Packaging type: **S2**

Order entry code guide (Headlight / Fog applications)

General Part No.	Philips Standard	Philips Vision	Philips VisionPlus	Philips NightGuide platinum	Philips CrystalVision platinum
	Part Numbers	Part Numbers	Part Numbers	Part Numbers	Part Numbers
9003	9003B1 9003B2 9003C1	9003PRB1 9003PRB2	9003VPB1 9003VPB2	9003NGPB1 9003NGPS2	9003CVPB1 9003CVPS2
9004	9004B1 9004B2 9004C1	9004PRB1 9004PRB2	9004VPB1 9004VPB2	9004NGPB1 9004NGPS2	9004CVPB1 9004CVPS2
9005	9005B1 9005C1	9005PRB1 9005PRB2	9005VPB1 9005VPB2	9005NGPS2	9005CVPB1 9005CVPS2
9005XS	N/A	N/A	N/A	9005XSNGPS2	9005XSCVPS2
9006	9006B1 9006B2 9006C1	9006PRB1 9006PRB2	9006VPB1 9006VPB2	9006NGPB1 9006NGPS2	9006CVPB1 9006CVPS2
9006XS	N/A	N/A	N/A	9006XSNGPS2	9006XSCVPS2
9007	9007B1 9007B2 9007C1	9007PRB1 9007PRB2	9007VPB1 9007VPB2	9007NGPB1 9007NGPS2	9007CVPB1 9007CVPS2
9008 (H13)	9008B1 9008C1	9008PRB1	9008VPB1 9008VPB2	9008NGPS2	9008CVPB1 9008CVPS2
9012	N/A	N/A	N/A	9012NGPS2	9012CVPS2
H1	H1B1 H1C1	H1PRB1	H1VPB1 H1VPB2	H1NGPS2	H1CVP2
H3	H3B1	H3PRB1	H3VPB1	N/A	H3CVPS2
H3-100W	H3-100WB1 H3-100WC1	N/A	N/A	N/A	N/A
H7	H7B1 H7B2 H7C1	H7PRB1 H7PRB2	H7VPB1 H7VPB2	H7NGPB1 H7NGPS2	H7CVPB1 H7CVPS2
H8	H8B1 H8C1	N/A	N/A	N/A	N/A
H9	H9B1 H9C1	N/A	N/A	N/A	N/A
H10	9145B1	N/A	N/A	N/A	9145CVPB1
H11	H11B1 H11B2 H11C1	H11PRB1 H11PRB2	H11VPB1 H11VPB2	H11NGPB1 H11NGPS2	H11CVPB1 H11CVPS2
H11B	H11BB1	N/A	N/A	H11BNGPS2	H11BCVPS2
H15	H15B1	N/A	N/A	N/A	N/A
H16	H16C1	N/A	N/A	N/A	N/A
D1R	D1RC1	N/A	N/A	N/A	N/A
D1S	D1SC1	N/A	N/A	N/A	N/A
D2R	D2RC1	N/A	N/A	N/A	N/A
D2S	D2SC1	N/A	N/A	N/A	N/A
D3R	D3RC1	N/A	N/A	N/A	N/A
D3S	D3SC1	N/A	N/A	N/A	N/A
D4R	D4RC1	N/A	N/A	N/A	N/A
D4S	D4SC1	N/A	N/A	N/A	N/A
D5S	D5SC1	N/A	N/A	N/A	N/A
PSX24W	PSX24WB1 PSX24WC1	N/A	N/A	N/A	PSX24WCVPB1
PS24WFF	PS24WFFB1 PS24WFFC1	N/A	N/A	N/A	PS24WFFCVPB1

Philips suffix explanation: **B1** = Blister pack of 1 bulb **B2** = Blister pack of 2 bulbs

C1 = Commercial box packaging of 1 bulb **S2** = Special pack (windowed carton) of 2 bulbs

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How to Use this Book

To facilitate your use of this guide, lamps are listed two ways:

1. Lamps are listed **numerically** beginning on page 12.
2. Lamps are listed **by bulb family** beginning on page 37.

All lamps listed have been designed to meet the needs of industry and are used exclusively on low-voltage power sources.

Important Notice

This catalog contains accumulated data as of December, 2022. New information is constantly being uncovered through research and testing, which may modify the data in this book. This is particularly true of newer lamps. Therefore, SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

The data and suggested applications contained in this catalog, as well as any additional information provided by our representative, are for general information only and should not be taken as being warranted for any particular application or use in any particular equipment, nor are our representatives authorized to make any such warranties. Applications and conditions of use are many and varied, and beyond our control. We cannot have the same degree of knowledge that the purchaser has with respect to the design of his equipment and the conditions of its use. Therefore, it is up to the purchaser to make his own determination as to the suitability of the lamp for his intended application or use and to assume the responsibility for that determination.

Not all parts are available for purchase, but included for reference only. Please contact customer service for product availability at 1-800-257-6054

Lumileds. LLC
34119 W. Twelve Mile Road, Suite 102
Farmington Hills, MI 48331
Phone: 800-257-6054
www.philips.com/automotive

Lighting technology explained

■ Approximate Candlepower

The spherical candela emitted by the light source. This measurement is approximate, due to the difficulty in measuring and the variation from lamp to lamp. This measurement can be converted to Lumens by multiplying by 12.57 (4π). Also known as Approximate Mean Spherical Candlepower.

■ Asymmetrical beam pattern

An offset beam pattern for low beam applications. Provides a longer beam in the lane of travel rather than in the opposite lane, which avoids blinding drivers in oncoming traffic.

■ Ballast

The electronic driver that controls a Xenon HID bulb.

■ Base

Bottom part of the bulb which ensures a proper mechanical and electrical connection with the lamp unit of the car. Its precision is important for a correct beam pattern.

■ Board voltage

Electrical voltage in the board net of the vehicle. In cars, the operational voltage at the bulb connector typically varies between 13 and 14 volts (V). The official test voltage for halogen headlight bulbs is 13.2 V according to ECE R37. For trucks with a 24 V board net the test voltage is 28 V. The board voltage has a significant impact on filament bulb lifetime. In general, a 5% voltage increase reduces the lifetime by 50%.

■ Burner

Burner is the glass part of a halogen or Xenon HID bulb in which the light emission is generated. It consists of hard or quartz glass and contains the filament and the two electrodes.

■ Candela (cd)

Unit of luminous intensity that measures the amount of luminous power emitted by a light source in a particular direction.

■ Color temperature

Thermal measure for light color. Derived from the color emitted by a "black body" which is heated up to a certain temperature (see also Kelvin).

■ Cut-off zone

The line between the bright and dark zones of low beam light. Above the cut-off zone, the amount of light is limited in order to avoid blinding oncoming traffic.

■ D(...)

Nomenclature for Xenon HID bulbs where **D** stands for "discharge." Available technical types: **D1S, D1R, D2S, D2R, D3S, D3R, D4S, D4R, and D5S.** **D1** and **D2**. First bulbs introduced in 1991 **D3** and **D4** Mercury-free bulbs that replace D1 and D2 For D1 and D3, the electronic high-voltage starter is already integrated in the bulb base. The **S** type is used with projector (lens) systems. Version **R** is used in open reflectors and features an additional coating on the outer tube (pinstripe) which blocks out some areas to avoid glare. The **D5S** is a 25-watt bulb with integrated starter and integrated ballast.

■ Design Amps

The amount of current consumed when operating the lamp at design voltage.

■ Design Voltage

The voltage at which the lamp was designed to operate.

■ Design Wattage

The amount of power consumed when operating the lamp at design voltage.

■ Discharge bulb

The correct, technical term of the so-called Xenon bulb is **high-intensity discharge** bulb. The light is emitted by an electric arc which is produced between two electrodes.

See also HID and Xenon light.

■ DOT

The United States Department of Transportation which oversees federal highway, air, railroad, maritime and other transportation administration functions. It fulfills a role similar to the Economic Commission for Europe (ECE).

■ DRL

Daytime Running Lights.

■ ECE

Economic Commission for Europe. One of five regional commissions of the United Nations (UN) based in Geneva that contributes to enhancing the effectiveness of the UN through the regional implementation of outcomes of global UN Conferences and Summits. The ECE is responsible for harmonizing technical specifications for vehicles whose regulations are also mandatory in many countries outside Europe.

■ ECE R

This stands for the ECE Regulation.

Examples for vehicle lighting:

R37 Filament lamps

R99 Gas-discharge light sources

R48 Installation of lighting and light-signaling devices

■ Electric arc

The connecting luminous discharge between the two electrodes of a Xenon HID bulb. This is similar in principle to a bolt of lightning. The electric arc is created by the high-voltage starter and stabilized and controlled by the ballast.

■ Electrodes

Electrical conductors which are positioned opposite each other in the vessel of a Xenon gas-discharge bulb. The electric arc that emits light is produced between the electrodes.

■ E-mark

The ECE mark of approval. The digit following the "E" indicates in which country the approval has been granted. For example: E1 indicates Germany and E2 indicates France. An approval granted by one ECE member is valid for all member states and is typically adopted by national regulations. Single minor deviations are possible.

■ Festoon

A tube-shaped bulb with contacts at each end such as 12844, which is commonly used for interior and license plate lighting.

■ Filament

A coiled tungsten wire that emits light.

■ H(...)

Nomenclature for halogen bulbs. H = halogen.

The bulbs are numbered consecutively.

The most common types are:

H1 First halogen bulb (single filament).

9003/H4 Double filament for both low beam and high beam application in one headlamp unit.

H7 Most common halogen bulb for low beam, high beam, and fog lighting.

■ Halogen

A gas that is used to create the halogen cycle process in a light bulb. During operation, tungsten molecules evaporate from the tungsten wire. In the cycle process, they combine with the halogen molecules and fall back to the wire. This extends the lifetime of a bulb and allows operation at a higher intensity. Halogen bulbs contain a high-pressure halogen filling. Non-halogen incandescent bulbs often use a vacuum.

■ HB(...)

ECE name of original North American bulb types which were approved for use in Europe as well. For example: HB3 refers to 9005 and HB4 refers to 9006.

■ Hg

Symbol for mercury (Latin: hydrargyrum). Xenon bulb types D1 and D2 still contain approximately one third of the amount of mercury as a normal domestic energy-saving bulb. D3, D4 and D5 are completely mercury-free.

■ HID

High Intensity Discharge. Correct technical name for a so-called Xenon bulb.

See also gas-discharge bulb, Xenon light, Xenon system.

■ High-voltage starter

Creates high voltage pulses of approximately 20,000 volts to ignite the electric arc in a Xenon HID bulb.

■ HiPerVision

Very compact signaling-bulb range with high-precision filaments and a long lifetime. For use in signaling lights, fog lamps, rear and daytime running lights.

■ Illuminance (lux)

Contrary to luminous flux (lumen), which is a measure of the total amount of light emitted by a light source, illuminance describes the amount of luminous flux per unit area, such as on the road. This is measured with a lux meter.

■ Lamp Trade Number

Lamps are marked with a Philips lamp number which has been registered with American National Standards Institute (ANSI).

■ Light Center Length

Light center length indicates the location of the filament with reference to the lamp base. It is subject to manufacturing tolerances. The light center length is measured from the geometric center of the light source to a particular point of the base. This point is shown below for the base types used.

Screw - End of bottom base contact

Bayonet - Top of base pins

S.C. or D.C. Prefocus - Bottom of indentations on prefocusing collar

S.C. Miniature Flanged - Top of boxes in flange

D.C. Index - Top of base pin nearer bottom contacts

Wedge - Center of notch

Flanged - Top of flange

Midget Grooved - Center of groove

Wire Terminal - Not Specified

■ Kelvin (K)

A unit of measure of temperature based upon an absolute scale whereby zero (minus 459.4 °F) represents the point where all thermal motion ceases. In lighting, however, this is a measure of color temperature. The higher the color temperature, the whiter and cooler the light appears.

■ LED

Light Emitting Diode.

■ Lifetime

Statistical data that indicate the failure rate of a percentage of bulbs operated at a specific voltage over a certain period of time. Common lifetime data indication:

B3 Time when statistically 3% of the test samples have failed

TC Time when 63% of the test samples have failed.

■ Luminance

The intensity of light emitted from a surface per unit area in a given direction from, for example, the filament or the electric arc of a Xenon HID bulb. An important indicator of the amount of light a headlamp unit provides on the road. The unit is candela/m² (cd/m²).

■ Lumen (lm)

Unit of luminous flux.

■ Luminous flux (lumen)

The total amount of light that is emitted by a light source in all directions.

■ Lux (lx)

Unit of illuminance. 1 Lux = 1 lm/m².

See also Illuminance.

■ Lux meter

Illuminance measuring device.

■ Maximum Overall Length

The dimension which includes the bulb and base is designated as the overall length of the lamp. In the case of wire terminal lamps, this dimension applies only to the glass portion. The figures listed here are maximum tolerances.

■ Pb

Symbol for lead (Latin: plumbum).

All Philips automotive bulbs are **lead-free**.

■ Quartz glass

Temperature and pressure resistant glass for halogen and Xenon HID bulbs. The glass also has a special coating to block out harmful ultraviolet (UV) light.

■ Tungsten

Filament and electrode material.

■ UV-block

Ultraviolet (UV) blocking glass absorbs the UV light created by the filament or the electric arc. UV block is mandatory for all ECE complying car bulbs because UV light can damage the plastic cover of the headlamp.

See also Quartz glass.

■ Vac. or Gas

Indicates whether lamp is Vacuum (V) or Gas (G) filled.

■ Wedge base

Bulb with a glass base, such as 3157. Mainly used for parking lights, side indicators, and interior lighting.

■ Xenon (Xe)

One of the noble gases. Commonly used to refer to HID bulbs.

■ Xenon light

Headlights with HID bulbs.

See also D(...), Discharge bulb, HID.

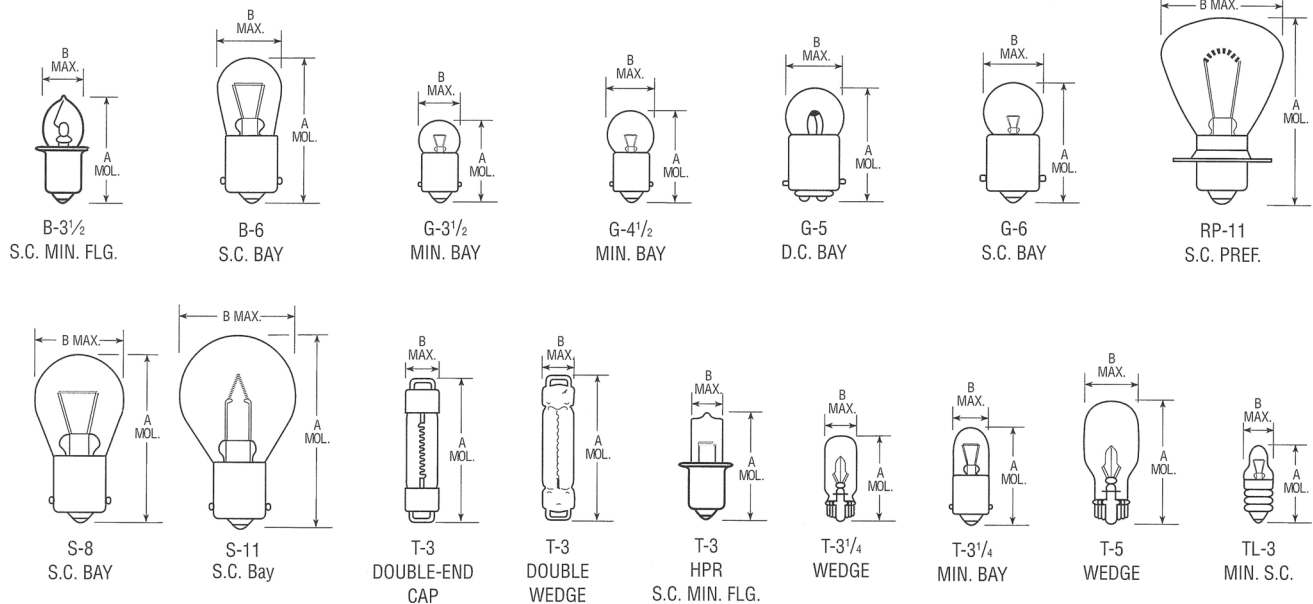
■ Xenon system

A complete Xenon system consists of the HID bulb, the high-voltage starter and the electronic ballast which controls the electric arc.

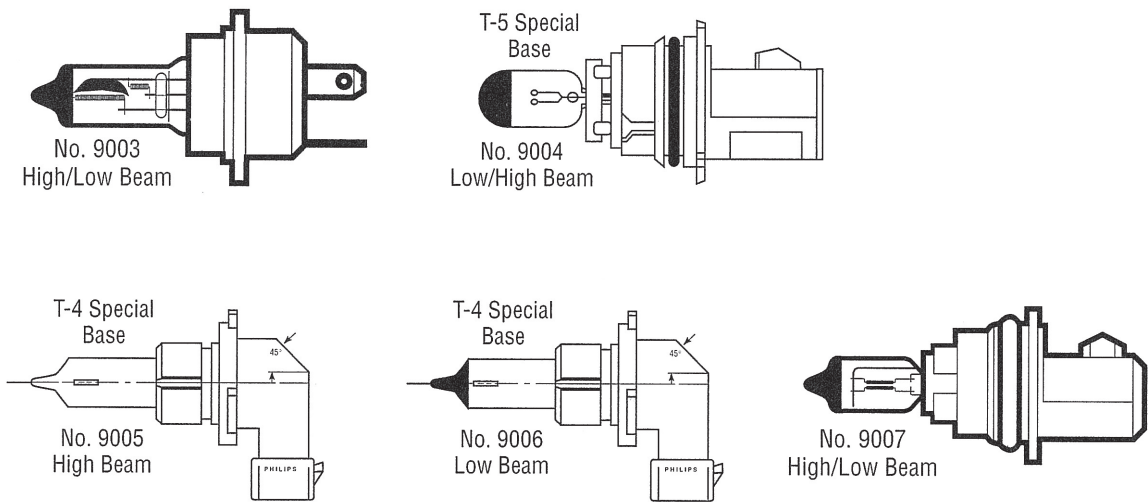
Bulb Designations

Bulbs are identified by a letter or letters followed by a number. This letter indicates the shape of the bulb, and the number indicates the diameter of the bulb in eighths of an inch. EXAMPLE: "S-8" indicates 'S' bulb having a diameter of 8/8ths or approximately 1 inch.

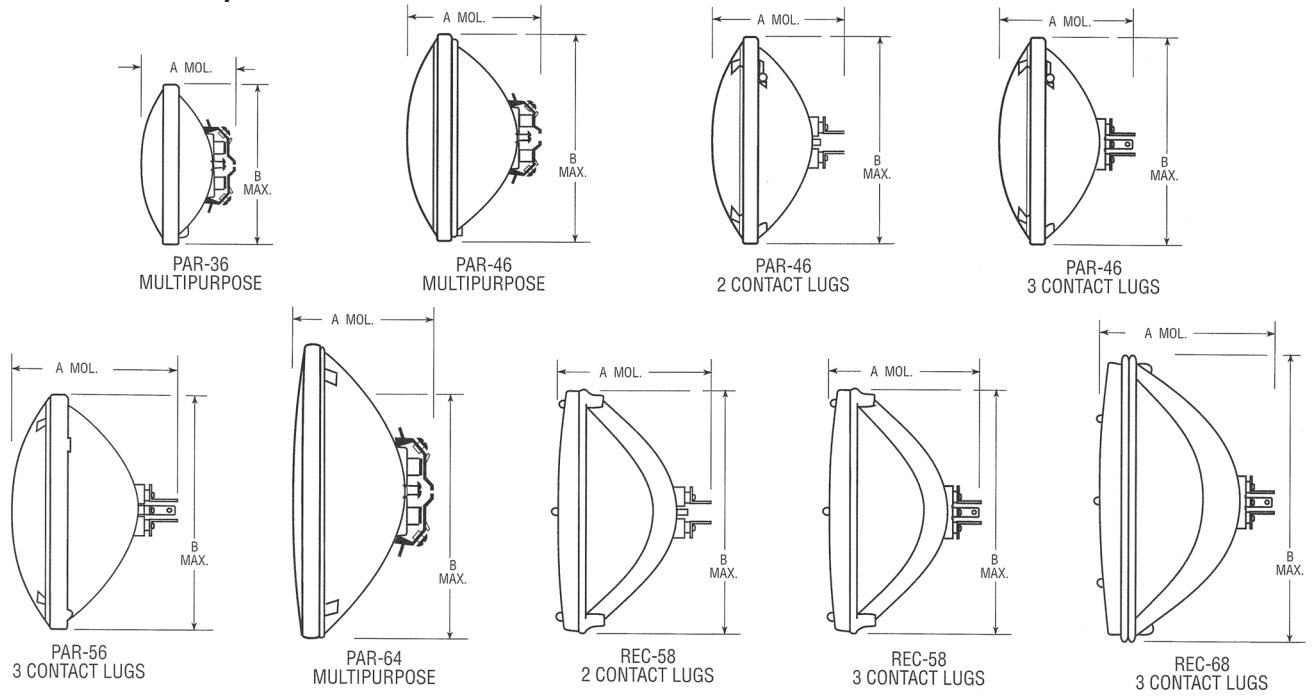
Miniature Lamps



Auto Replacement Halogen Headlamp Capsules



Sealed Beam Lamps



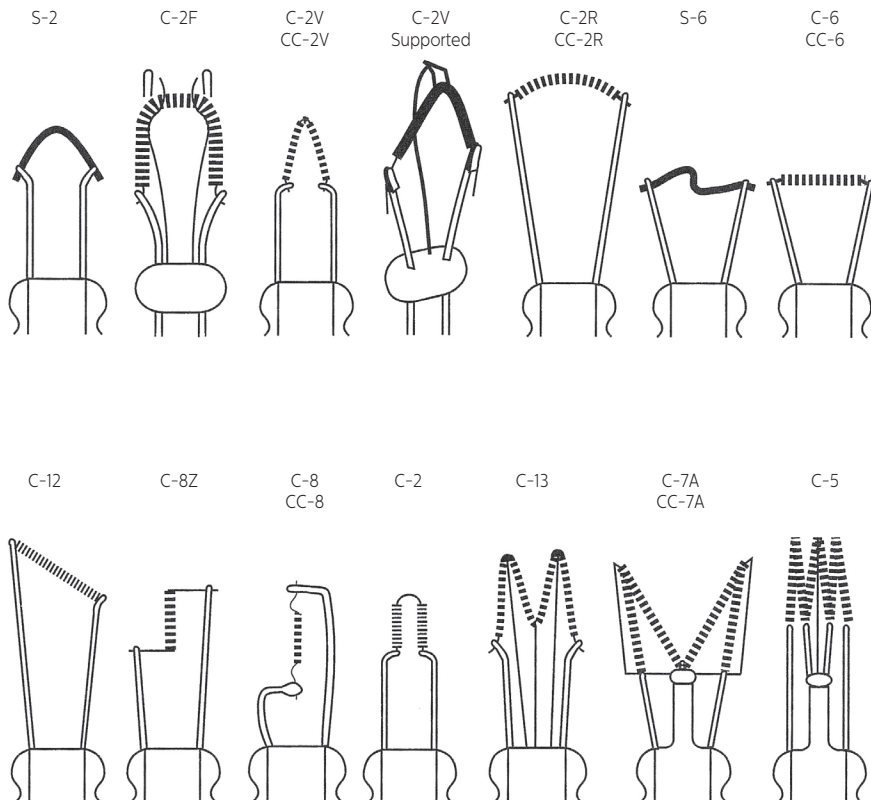
Filament Designations

The method of mounting a filament in a tungsten filament lamp is designed by an identification made up of a prefix letter or letters and an arbitrary number. The prefix letter indicates whether the filament wire is straight, coiled or coiled coil and the number indicates the form or arrangements of the filament on the supports.

S = Straight, there is no coil to the filament.

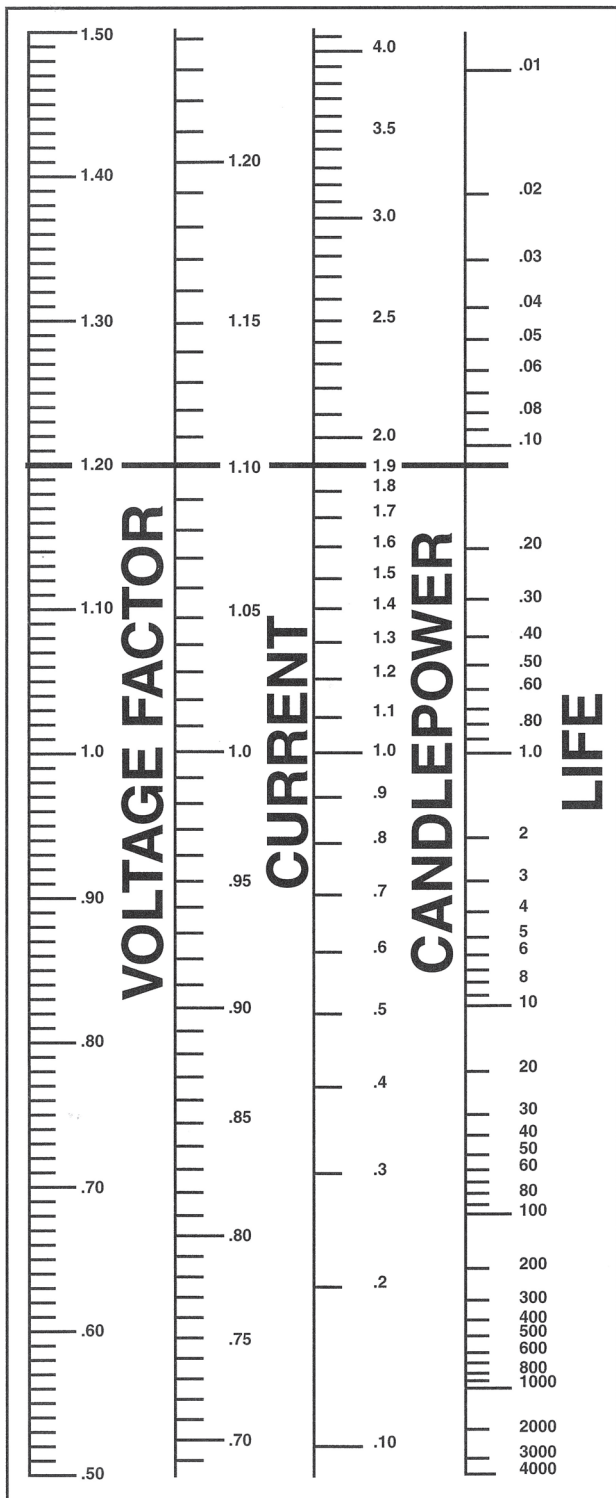
C = Coiled, the filament is wound into a helical coil.

CC = Coiled Coil, the helical coiled filament is wound again into another helical coil.



Nomograph

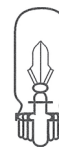
The scales below show the relationship between voltage, current, candlepower and life. Variations in one of these parameters in application will generate a change in the others as depicted by the scales. For example: Operating a 5 volt lamp at 6 volts (1.20) will cause corresponding increases in current and candlepower of 10% and 90% respectively with an 88% loss of lamp life.



Operating Temperature

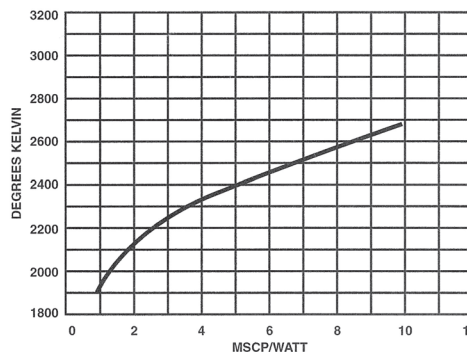
Temperatures exceeding 350° F definitely affect the solder and basing cement of miniature lamps, causing them to soften. Therefore, if the lamp is to be used in an enclosure, the ambient temperature should be limited to a satisfactory level which is determined by each specific equipment design. The Wedge Base design*, having no basing cement or solder, is especially recommended for applications where high ambient temperature conditions exist. The lamp will withstand ambient temperatures up to 600° F. At higher temperatures, gas driven from the bulb walls attack the filament, and the glass envelope may soften and collapse.

*Wedge Base Lamp



Color Temperature

Color Temperature is a term used to describe the color of a light source by comparing it with the color of a blackbody, a theoretical "complete radiator. Like a blackbody, a tungsten filament changes color as its temperature is raised; first glowing dull red, then becoming bright red, orange, yellow, and finally white, bluish white, and blue. Color temperature is measured in degrees Kelvin.

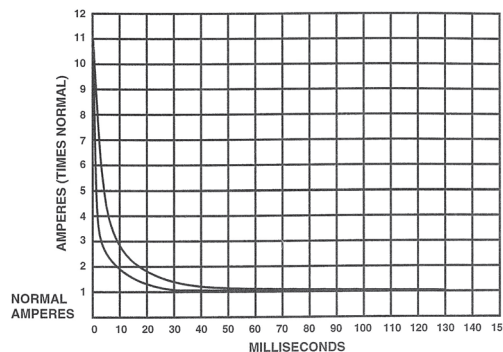


Color Temperature vs. Efficiency

Inrush Current

Inrush Current is the current surge through a filament when voltage is initially applied to a lamp.

Inrush Current may be many times greater than normal operating current depending upon temperature and impedance factors. It may be reduced by the application of a low value pre-heat voltage.

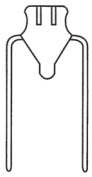


Inrush Current vs. Time

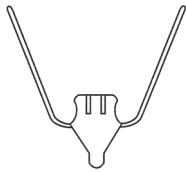
Base Designations

The base serves two functions: support for the lamp and the providing of electrical contact.

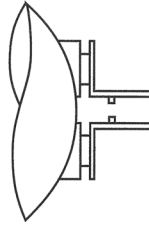
Wire Terminal (Down Position)



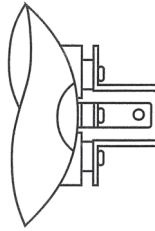
Wire Terminal (Up Position)



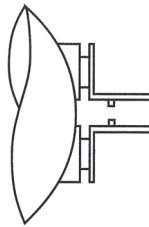
Sealed Beam Base Types



Two contact lugs — mainly used on automotive headlamps where two terminals are required (high beam headlamps).



Three contact lugs — mainly used on automotive headlamps where three terminals are required (low beam/high beam headlamps).



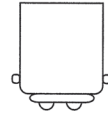
Multipurpose (M-P) Terminal — mainly used on non-headlamp applications. This base is designed to accept both slip-on and screw lugs.

Miniature Base Type

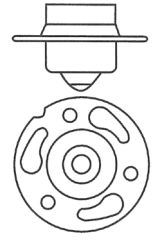
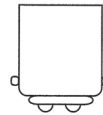


Candelabra Prefocus Double Contact (D.C. Pref.)

Candelabra Bayonet Double Contact (D.C. Bay.)

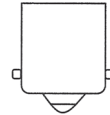


Candelabra Bayonet Double Contact (D.C. Bay.)

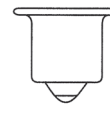


Candelabra Prefocus Single Contact (S.C. Pref.)

Candelabra Bayonet Single Contact (S.C. Bay.)



Miniature Flange Single Contact (S.C. Min. Flg.)



Midget Screw



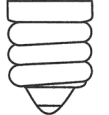
Midget Grooved



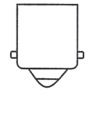
Cap



Candelabra Screw (Cand. S.C.)



Miniature Bayonet Single Contact (Min. Bay.)



Miniature Screw (Min. S.C.)



S.C. Midget Flange



Wedge Base



Dimensions for Miniature and Sealed Beam Lamps

Bulb Shape	A MOL Dimension		B MAX Dimension	
	Inch	mm	Inch	mm
B-3½ S.C. MIN. FLG.	1¼	32	.437	11.1
B-6 S.C. BAY	1¾	45	.78	19.7
G-3½ MIN. BAY	15⁄16	24	.46	11.7
G-4½ MIN. BAY	1½	27	.59	15
G-5 D.C. BAY	1	35	.64	16.2
G-6 S.C. BAY	17⁄16	37	.75	19
RP-11 S.C. PREF	2¼	58	1.42	36
S-8 S.C. BAY	2	51	1.04	26.5
S-11 S.C. BAY	2	61	1.42	36
T-3 DOUBLE—END CAP	123⁄32	44	.39	10.0
T-3 DOUBLE WEDGE	123⁄32	44	.39	10.0
T-3 HPR S.C. MIN. FLG.	1¼	31	.39	10.0
T-3¼ WEDGE	1⁄6	27	.40	10.3

Bulb Shape	A MOL Dimension		B MAX Dimension	
	Inch	mm	Inch	mm
T-31/ MIN. BAY	1 13⁄16	31	.43	10.9
T-5 WEDGE	1½	38.1	.625	15.9
TL-3 MIN. S.C.	15⁄16	24	.39	10
PAR-36 MULTIPURPOSE	2¾	70	4.5	113.3
PAR-46 MULTIPURPOSE	3	99	5.7	144.8
PAR-46 CONTACT LUGS	4	102	5.7	144.8
PAR-46 3 CONTACT LUGS	4	102	5.7	144.8
PAR-56 3 CONTACT LUGS	5¼	134	7.05	178.6
PAR-64 MULTIPURPOSE	4	102	8.1	205.7
REC-58 2 CONTACT LUGS	4½	114	6.5	166
REC-58 3 CONTACT LUGS	4½	114	6.5	166
REC-68-3 CONTACT LUGS	5	143	7.87	200

Bulbs for Replacement in Foreign Cars

The foreign car listing, as well as the cross references on these two pages have been constructed with the best information available. It is difficult to find exact replacements since bulb sizes, wattages and efficiencies of the bulbs of various European manufacturers may differ considerably. In the

compiling of this information great care has been taken to match the base types so that physical interchangeability can be made. Bulb sizes and wattages of recommended replacements are approximate.

European/Japanese Interchange

Échange d'Européen/Japonais

Europec/Japonés Intercambio

PHILIPS Part Number	PHILIPS Bulb Description	BECK ARNLEY Part Number	ECE Part Number	GE Part Number	HELLA Part Number	LUCAS Part Number	NARVA Part Number	OSRAM/SYLVANIA Part Number	WAGNER Part Number	STANLEY Part Number	TUNGSRAM Part Number
12023	H5W 12V 5W	213-1572	—	—	—	—	17830	64111	47830	—	58540
12025	H20 BA9s	—	H20	56110	—	—	—	64115	47835	—	—
12036	H6W 12V	—	H6W	—	—	—	68161	64132	68161	—	—
PS19W	PS19WLL	—	—	—	—	—	—	—	—	—	—
PS24WFF	PS24WFF	—	—	—	—	—	—	—	—	—	—
12190	PY24	—	—	—	—	—	—	—	—	—	—
12256	W3W 12V	—	W3W	W3W	78272	504	17097	2821	17097	—	5304
12275	PY19W	—	PY19W	—	—	—	—	—	—	—	—
12258/99	H1 12V 55W P14.5s	213-1533	H1	H1-55	78105	—	48320	64150	BP1255/H1	—	50310
HPC24WNA	24W Amber HPC	—	—	—	—	—	—	—	—	—	—
12311	H2 12V 55W	—	H2	H2-55	78125	479	48420	64173	BP1255/H2	—	50410
12336	H3 12V 55W PK22s	—	H3	H3-55	78135	—	48321	64151	BP1255/H3	—	50340
12342	H4 12V 60/55W	213-1532	H4	H4	78155	476	48881	64193	BP1260/H4	—	50440
12454	H1 RA 12V 100W P14.5s	—	H1	—	78110	—	48350	64152	BP1210/H1	—	—
12455	H3 RA 12V 100W PK22s	213-1571	H3	H3/BP-100	78140	—	48351	64153	BP1210/H3	—	—
12496	PY21W 12V	—	PY21W	PY21W	—	343	17638	7507	17638NA	—	1383
12498	P21W 12V	—	P21W	P21W	78186	382	17635	7506	17635	—	1057
12499	P21/5W 12V	—	P21/5W	P21/5W	78264	380	17916	7528	17916	—	1077
12500	Stop P25 12V 20/5W	—	—	—	—	361	—	7241	—	A4828	—
1157	S-8 12.8V 32/3CP BAY15d	—	—	—	—	—	—	—	—	A4875	—
1157	S-8 12.8V 32/3CP BAY15d	—	—	—	—	—	—	—	—	A4879	—
12507	H2 RA 12V 100W	—	H2	—	78127	480	48450	—	BP1210/H2	—	—
12516	W1.2W 12V	—	—	—	78270	286	17037	2721	17037	—	5301
12569	H4 RA 12V 100/90W P43T	—	H4	—	78159	—	48901	64194	BP1210/H4	—	—
12594	P21/4W 12V	—	P21/4W	P21/4W	—	566	17881	7225	17881	—	1122
12620	R2 12V 45/40W P45t-41	—	R2	—	78154	R410	49211	7951	49211	—	1931
13620	R2 24V 55/50W P45t-41	—	—	—	—	—	—	—	49211T	—	—
12803	C21W 12V	—	C21W	—	—	—	17634	6476	17634	—	—
12814	R10W 12V	213-1513	R10W	R10W	78235	245	17311	5008	17311	—	2641
12818	Fest T6.2x27 12V 3W	213-1544	—	DE3022	78200	—	17094	DE3022	13050	—	—
12818	Fest T6.2x27 12V 3W	213-1581	—	DE3021	78200	—	17094	DE3021	11006	—	—
12818	Fest T6.2x27 12V 3W	—	—	—	—	—	—	6428	—	—	—
12821	R5W 12V	213-1533	R5W	R5W	78232	207	17171	5007	17171	—	2619
12829	BA7 T 6.8 12V 2W	213-1507	—	SE1274	78180	281	17051	3898	11009	—	—
12844	C5W 12V	213-1546	C5W	DE3423	78203	239	17125	DE3423	11005	—	7546
12818	Fest 12864 12V 5W	—	—	—	—	—	—	6418	—	—	—
12850	Fest T15x43 12V 15W	—	—	—	78208	267	—	6451	6451	A3375	7592
12854	Fest T10.5x38 12V 10W	213-1563	—	DE3425	—	—	17316	DE3425	11004	—	—
12854	Fest T10.5x38 12V 10W	—	—	—	—	—	—	6461	—	—	—
12866	Fest T10.5x43 12V 10W	213-1565	—	—	78206	264	17314	6411	17314	—	—
12913	T2W 12V	213-1541	—	—	78220	288	17053	3796	17053	—	2660
12929	T4W 12V	213-1561	T4W	T4W	78223	233	17131	3893	17131	—	2662
12961	W5W 12V	—	W5W	W5W	78274	501	17177	2825	17177	—	5307
12972	H7 12V 55W	—	H7	H7-55	—	—	—	64210	BP1255/H7	—	—
13256	W3W 24V	—	W3W	—	78273	505	17109	2841	17109	—	—
13258	H1 24V 70W	—	H1	—	78115	466	48702	64155	BP2470/H1	—	50320
13311	H2 24V 70W	—	H2	—	78129	482	48720	64175	BP2470/H2	—	50420
13336	H3 24V 70W PK22s	—	H3	H3-70	78145	—	48700	64156	BP2470/H3	—	50350
13342	H4 24V 75/70W	—	H4	—	78160	478	48892	64196	BP2475/H4	—	50450
13498	P21W 24V	—	P21W	—	78187	241	17643	7511	17643	—	1060
13499	P21/5W 24V	—	P21/5W	—	78265	334	17925	7537	17925	—	1078
13516	WB T5 24V 1.2W	—	—	—	78271	508	17040	2741	17040	—	—
13807	Fest T15x43 24V 18W	—	—	—	78212	276	17522	6480	17522	—	7595
13814	R10W 24V	—	R10W	—	78236	246	17326	5637	17326	—	2643
13818	Fest T6.2x27 24V 3W	—	—	—	78201	—	17104	6430	17104	—	1702
13821	R5W 24V	—	R5W	—	78233	149	17181	5627	17181	—	2627
13829	BA7 T 6.8 24V 3W	—	—	—	78181	283	17061	3899	17061	—	2692
13844	C5W 24V	—	T4W	—	78204	653	17136	6423	17136	—	—
13866	Fest T10.5x43 24V 10W	—	—	—	78207	274	17327	6429	17327	—	1732
13913	T2W 24V	—	—	—	78221	289	17063	3797	17063	—	2663
13929	T4W 24V	—	T4W	—	78224	249	17141	3930	17141	—	2661

European/Japanese Interchange

Échange d'Européen/Japonais

Europec/Japonés Intercambio

PHILIPS Part Number	PHILIPS Bulb Description	BECK ARNLEY Part Number	ECE Part Number	GE Part Number	HELLA Part Number	LUCAS Part Number	NARVA Part Number	OSRAM/SYLVANIA Part Number	WAGNER Part Number	STANLEY Part Number	TUNGSRAM Part Number
13961	W5W 24V	—	W5W	—	—	507	17197	2845	17197	—	—
3496	3496 12.8/14V 26.88/8.26W	—	—	3496	—	—	—	3496	3496	3496	—
3497	3497 12V 2.4W	—	—	3497	—	—	—	3497	3497	3497	—
7440	7440 13.5V 24.98W	—	—	7440	—	—	—	7440	7440	7440	—
7443	7443 13.5V 24.97/5.4W	—	—	7443	—	—	—	7443	7443	7443	—
9003	9003 12V 67/60W P43t-38	—	—	9003	—	—	48881	9003	9003	—	—
DE3175	DE3175 12V 10W	213-1574	—	DE3175	—	—	17315	DE3175	12100	—	—

E.E.U.U. a International

U.S. à étranger échange

U.S to Foreign Interchange

U.S.A. Bulb Number	PHILIPS Bulb Number	PHILIPS Bulb Description	OSRAM/SYLVANIA Bulb Number	LUCAS Bulb Number	STANLEY Bulb Number	TOSHIBA Bulb Number	NORMA Bulb Number
53	12913	T2W 12V	3796	989	A71B	—	1523
57	12819	—	6253	989	—	—	1520
	12910	T3W 12V	5696	222	—	—	—
67	12811	—	5004	—	A41B	—	—
68	—	—	5404	209	—	—	—
74	12516	W1.2W 12V	2721	286	—	—	—
89	12814	R10W	5008	207	A4125	—	1417
90	12822	R5W G 12V BA15d	5407	209	A4124	—	1407
	12400	—	5408	218	—	—	1418
93	12401	Stop P25 12V 15W BA15s	7433	—	—	—	1305
94	—	—	—	—	A4522	—	—
97	12811	—	5004	207	A4121	A3021J	1406
	12821	R5W G 12V BA15s	5007	—	—	—	1409
	—	—	—	—	—	—	1413
158	12256	W3W 12V	2821	504	WB125	—	1552
161	161	—	2825	501	—	A7720U	—
194	12256	W3W 12V	2821	504	WB125	A7722U	1552
	194	—	—	—	—	A7721U	—
211	12866	Fest T10.5x43 12V 10W	6411	265	A3373	—	1624
	12850	Fest T15x43 12V 15W	6451	267	A3375	—	—
212	12864	Fest T10.5x43 12V 5W	6413	258	—	—	1614
232	HPC16W	R10W	89	207	A4125	—	1417
578	211-2	Fest T9.5x43 12V 10W	578	—	—	—	—
1003	12401	Stop P25 12V 15W BA15s	7533	221	A4521	—	1305
1004	12402	Stop P22 12V 15W BA15d	7430	—	—	A3620J	1306
1016	12517	—	7231	—	A4824	—	1319
1034	12500	Stop P25 12V 20/5W	7241	—	—	—	1034
1073	12325	MoBike 12V 25W BA15s	7583	—	—	—	—
1141	12445	Stop P25 12V 18W	7527	—	A4523	A5520J	1329
1142	1142	—	—	—	A4524	—	1331
1155	12821	R5W G 12V BA15s	5007	207	A4121	—	1406
—	12498	P21W 12V	7506	382	A4527	A5521J	1329
	1156	—	—	57	A4529	A0721J	—
—	12499	P21/5W 12V	7528	380	A4829	A4623J	1330
—	12500	Stop P25 12V 20/5W	7241	361	A4828	A4622U	1034
	1157	—	—	—	A4875	A4623Z	—
	1157	—	—	—	A4879	A4621J	—
1157NA	1157NA	—	—	—	A4877YD	A4623A	—
1176	12500	Stop P25 12V 20/5W	7240	381	A4724	—	1318
	12503	—	7241	—	—	—	—
1178	12822	R5W G 12V BA15d	5407	209	A4124	—	1407
1195	12241	MoBike 12V 45W BA15S	7569	23	—	A0721J	1231
1196	12222	—	7468	4	A5026	—	—
1445	12910	T3W 12V	3796	643	A71B	A6020	1508
1446	12875	—	3766	987	A222	A6120Z	1503
	12876	—	3966	—	—	—	1513
1816	12819	—	6253	989	A524	A7521	—
1891	12910	T3W 12V	3984	989	—	—	—
1893	12929	T4W 12V	3893	—	A1473A	A7520	1522
1895	12910	T3W 12V	3894	647	A552B	A6520J	1507
	—	—	956	—	A6521J	—	—

Lamps

Note: Not all part numbers are available for purchase, but included for reference only.
Please contact customer service for part number availability at 1-800-257-6054.

Numerical Listing

Lamp Trade No.	Philips Part #	Bulb Family	Primary Application	Vac (V) — Gas (G)	Design Volts	Design Amps	Design Watts	Approx. Candle-Pwr.	Rated Avg. Life, Hours	Base	Filament Type	Light Center Length		Max Overall Length	
												in	mm	in	mm
PR1		B-3½	Flashlight	V	2	0.95	1.9	1	40	S.C. Min. Flng	C-2R	0.25	6.35	1.25	31.75
PR2	PR2B2	B-3½	Flashlight - 2 D Cells	V	2.38	0.5	1.19	0.8	15	S.C. Min. Flng	C-2R	0.25	6.35	1.25	31.75
PR3		B-3½	Flashlight - 3 D Cells	V	3.57	0.5	1.79	1.5	15	S.C. Min. Flng	C-2R	0.25	6.35	1.25	31.75
PR4		B-3½	Flashlight - 2 C Cells	V	2.33	0.27	0.63	0.4	10	S.C. Min. Flng	C-2R	0.25	6.35	1.25	31.75
PR5		B-3½	Flashlight - 2 D Cells	V	2.35	0.35	0.82	0.6	35	S.C. Min. Flng	C-2R	0.25	6.35	1.25	31.75
PR6		B-3½	Flashlight - 2 D Ind. Cells	V	2.47	0.3	0.74	0.45	30	S.C. Min. Flng	C-2R	0.25	6.35	1.25	31.75
PR7		B-3½	Flashlight - 3 D Ind. Cells	V	3.7	0.3	1.11	0.9	30	S.C. Min. Flng	C-2R	0.25	6.35	1.25	31.75
PR9		B-3½	Flashlight - 2 D Cells	V	2.7	0.15	0.41	0.25	45 ⁽⁷⁾	S.C. Min. Flng	C-2R	0.25	6.35	1.25	31.75
PR12		B-3½	Flashlight - 5 D Cells	G	5.95	0.5	3	3.1	15	S.C. Min. Flng	C-2R	0.25	6.35	1.25	31.75
PR13		B-3½	Hand Lantern - 4 F Cells	V	4.75	0.5	2.38	2.2	15	S.C. Min. Flng	C-2R	0.25	6.35	1.25	31.75
PR15		B-3½	Hand Lantern - 6 Volt Battery	V	4.82	0.5	2.41	2	30	S.C. Min. Flng	C-2R	0.25	6.35	1.25	31.75
PR18		B-3½	Flashlight - 6 D Cells	G	7.2	0.55	3.96	4.8	3	S.C. Min. Flng	C-2R	0.25	6.35	1.25	31.75
PR20		B-3½	Flashlight - 7 D Cells	G	8.63	0.5	4.32	5	15	S.C. Min. Flng	C-2R	0.25	6.35	1.25	31.75
PR29		B-3½	Flashlight - 3 D Cells	V	3.5	0.2	0.7	0.6	15	S.C. Min. Flng	C-2R	0.25	6.35	1.25	31.75
PR30		B-3½	Flashlight - 3 Nickel Cad. Cells	G	3.75	0.86	3.23	2.25	40	S.C. Min. Flng	C-2R	0.25	6.35	1.25	31.75
PR31		B-3½	Flashlight	V	2.4	0.7	1.68	1.3	15	S.C. Min. Flng	C-2R	0.25	6.35	1.25	31.75
PR32		B-3½	Flashlight	G	4.8	0.7	3.36	3.2	30	S.C. Min. Flng	C-2R	0.25	6.35	1.25	31.75
KPR102		B-3½	Flashlight - Krypton 2 Cells	G	2.4	0.7	1.68	1.3	15	S.C. Min. Flng	C-2R	0.25	6.35	1.25	31.75
KPR103		B-3½	Flashlight - Krypton 3 Cells	G	3.6	0.75	2.7	2.7	20	S.C. Min. Flng	C-2R	0.25	6.35	1.25	31.75
KPR113		B-3½	Flashlight - Krypton 4	G	4.8	0.75	3.6	4.06	20	S.C. Min. Flng	C-2R	0.25	6.35	1.25	31.75
KPR118		B-3½	Flashlight - Krypton 6 Cells	G	7.2	0.55	3.96	5.23	15	S.C. Min. Flng	C-2R	0.25	6.35	1.25	31.75
KPR131		B-3½	Flashlight - Krypton 2 Cells	G	2.4	0.835	2	1.47	15	S.C. Min. Flng	C-2R	0.25	6.35	1.25	31.75
HPR36		T-3	Flashlight - Halogen	G	5.5	1	5.5	7.95	40	S.C. Min. Flng	C-6	0.25	6.35	1.25	31.75
HPR40		T-3	Flashlight - Halogen	G	6	0.67	4.02	6	50	S.C. Min. Flng	C-6	0.25	6.35	1.25	31.75
HPR41		T-3	Flashlight - Halogen	G	3.75	0.75	2.81	3.1	100	S.C. Min. Flng	C-6	0.25	6.35	1.25	31.75
HPR50		T-3	Flashlight - Halogen 4 Cells	G	5.2	0.85	4.42	6.76	25	S.C. Min. Flng	C-6	0.25	6.35	1.25	31.75
HPR51		T-3	Flashlight - Halogen	G	6.5	0.7	4.55	7.16	25	S.C. Min. Flng	C-6	0.25	6.35	1.25	31.75
HPR52		T-3	Flashlight - Halogen 2 Cells	G	2.8	0.85	2.38	2.78	10	S.C. Min. Flng	C-6	0.25	6.35	1.25	31.75
HPR53		T-3	Flashlight - Halogen	G	4	0.85	3.4	4.77	25	S.C. Min. Flng	C-6	0.25	6.35	1.25	31.75
HPR54		T-3	Flashlight	G	4	0.125	0.5	2.75	15	S.C. Min. Flng	C-6	0.26	6.6	1.2	30.48
HPR55		T-3	Flashlight	G	5.2	0.5	2.6	3.75	15	S.C. Min. Flng	C-6	0.26	6.6	1.2	30.48
4		T-1¼	Indicator	—	2.5	0.4	1	-	3000	Midget Grooved	C-2R	—	—	0.81	20.57
4S		T-1¼	Indicator	—	2.5	0.4	1	-	3000	Midget Grooved	C-2R	—	—	0.81	20.57
6		S-8	Sewing Machine	G	6.4	3	19.2	23	500	D.C. Bay.	C-2R	1.25	31.75	2	50.8
10		G-3½	Indicator	V	2.5	0.5	1.25	0.5	3000	Min. Bi-Pin	C-6	0.62	15.75	0.94	23.88
12		G-3½	Radio	V	6.3	0.15	0.95	0.35	5000 ⁽²²⁾	Min. Bi-Pin	C-6	0.62	15.75	0.94	23.88
12MB		T-2½		—	12	0.17	2.04	0.35	12000	Min. Bay.	C-2F	0.95	24.13	1.19	30.23
13		G-3½	Flashlight - 3 D Cells	V	3.7	0.3	1.11	1	15	Min. Sc.	C-2R	0.72	18.29	0.94	23.88
14		G-3½	Flashlight - 2 D Cells	V	2.47	0.3	0.74	0.5	15	Min. Sc.	C-2R	0.72	18.29	0.94	23.88
15		G-4½	Indicator	G	7	0.4	2.8	2	500	Min. Bi-Pin	C-6	0.69	17.53	1.07	27.18
17		T-1¼		—	28	0.065	1.82	0.65	5000	Wedge, W2.1x4.6d	C-2F	0.4	10.16	0.8	20.32
18		T-1¼	Auto	—	14	0.04	0.56	0.13	5000	Wedge, W2.1x4.6d	C-2F	0.4	10.16	0.8	20.32
19		G-3½	Toy	V	14.4	0.1	1.44	0.9	1000	Min. Bi-Pin	C-6	0.62	15.75	0.94	23.88
24	24B2	T-2¼	Auto	V	14	0.24	3.36	2	1500	Wedge, W2.1x9.5d	C-2V	0.43	10.92	0.86	21.84
24MB		T-2½		—	24	0.07	1.68	0.5	10000	Min. Bay.	C-2F	0.95	24.13	1.19	30.23
24NA	24NAB2	T-2¼	Auto	V	14	0.24	3.36	2	1500	Wedge, W2.1x9.5d	C-2V	0.43	10.92	0.86	21.94
25		G-3½	Radio	—	6.3	0.25	1.58	0.5	5000	Bi-Pin	C-6	0.63	16	0.94	23.88
27		G-4½	Hand Lantern - 4 F Cells	V	4.9	0.3	1.47	1.4	30	Min. Sc.	C-2R	0.72	18.29	1.06	26.92
28MB		T-2½	Indicator	V	28	0.04	1.12	0.29	5000	Min. Bay.	C-2F	—	—	1.19	30.23
29		G-3½	Toy	—	10	0.11	1.1	0.65	3000	Bi-Pin	C-6	0.63	16	0.94	23.88
31		G-4½	Flashlight - 5 D Cells	V	6.15	0.3	1.85	2	15	Min. Sc.	C-2R	0.72	18.29	1.06	26.92
35		G-5½	Hand Lantern - 2 No. 6 Cells	V	2.5	0.8	2	1.2	150	Min. Sc.	C-2R	0.87	22.1	1.25	31.75
37	37B2	T-1¼	Auto	V	14	0.09	1.26	0.5	2500	Wedge, W2.1x4.6d	C-2F	0.4	10.16	0.8	20.32
PC37	PC37B2	T-1¼	Auto	—	14	0.09	1.26	0.5	2500	P.C. Socket	C-2F	0.32	8.13	0.84	21.34
40		T-3¼	Radio	V	6.3	0.15	0.95	0.5	3000	Min. Sc.	C-2R	0.89	22.61	1.19	30.23
41		T-3¼	Radio and Indicator	V	2.5	0.5	1.25	0.5	3000	Min. Sc.	C-2R	0.97	24.64	1.19	30.23
42		T-3¼	Radio	—	3.2	0.35	1.12	0.5	3000	Min. Sc.	C-2R	0.97	24.64	1.18	29.97
43		T-3¼	Indicator	V	2.5	0.5	1.25	0.5	3000	Min. Bay.	C-2R	0.78	19.81	1.19	30.23
44		T-3¼	Radio, TV and Indicator	V	6.3	0.25	1.58	0.9	3000	Min. Bay.	C-2R	0.71	18.03	1.19	30.23
45		T-3¼	Radio	V	3.2	0.35	1.12	0.5	3000	Min. Bay.	C-2R	0.71	18.03	1.19	30.23

(7) Life tests are conducted using DC voltage.

(22) At 6.6 volts.

Numerical Listing

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Lamps

Lamp Trade No.	Philips Part #	Bulb Family	Primary Application	Vac (V) — Gas (G)	Design Volts	Design Amps	Design Watts	Approx. Candle-Pwr.	Rated Avg. Life, Hours	Base	Filament Type	Light Center Length		Max Overall Length	
												in	mm	in	mm
46		T-3/4	Radio, TV and Indicator	V	6.3	0.25	1.58	0.9	3000	Min. Sc.	C-2R	0.9	22.86	1.19	30.23
47		T-3/4	Radio, TV and Indicator	V	6.3	0.15	0.95	0.52	3000	Min. Bay.	C-2R	0.71	18.03	1.19	30.23
48		T-3/4	Radio	V	2	0.06	0.12	0.04	1000	Min. Sc.	S-2V	0.94	23.88	1.19	30.23
48MB		T-2 1/2		V	48	0.05	2.4	0.7	10000	Min. Bay.	C-7A	—	24.2	1.19	30.23
49		T-3/4	Radio	V	2	0.06	0.12	0.04	1000	Min. Bay.	S-2V	0.72	18.29	1.19	30.23
50		G-3 1/2	Toy	V	7.5	0.22	1.65	1	1000	Min. Sc.	C-2R	0.72	18.29	0.94	23.88
51	51CP	G-3 1/2	Auto and Indicator	V	7.5	0.22	1.65	1	1000	Min. Bay.	C-2R	0.5	12.7	0.94	23.88
52		G-3 1/2	Indicator	V	14.4	0.12	1.73	0.75	1000	Min. Sc.	C-2V	0.63	16	0.94	23.88
53	53B2	G-3 1/2	Auto and Indicator	V	14.4	0.12	1.73	1	1000	Min. Bay.	C-2V	0.5	12.7	0.94	23.88
53R		G-3 1/2	Indicator, Red	V	14.4	0.12	1.73	—	1000	Min. Bay.	C-2V	0.5	12.7	0.94	23.88
53X		G-3 1/2	Auto	V	14.4	0.12	1.73	1	1000	Min. Bay.	C-2F	0.5	12.7	0.94	23.88
55	55LLB2	G-4 1/2	Auto	G	7	0.41	2.8	2	500	Min. Bay.	C-2R	0.56	14.22	1.06	26.92
56		T-1 1/4		—	500	0.115	0.58	0.15	40000	Wedge, W2.1x4.6d	C-2R	0.4	10.16	0.8	20.32
57	57B2	G-4 1/2	Auto	V	14	0.24	3.36	2	500	Min. Bay.	C-2V	0.56	14.22	1.06	26.92
57X		G-4 1/2	Auto	V	14	0.24	3.36	2	500	Min. Bay.	C-2F	0.56	14.22	1.06	26.92
60MB		T-2 1/2	Indicator	V	60	0.05	3	0.73	7500	Min. Bay.	C-7A	—	—	1.19	30.23
63	63B2	G-6	Auto, Aviation and Coin Machine	G	7	0.63	4.41	3	1000	S.C. Bay.	C-2R	0.75	19.05	1.44	36.58
64		G-6	Auto, Aviation and Coin Machine	G	7	0.63	4.41	3	1000	D.C. Bay.	C-2R	0.75	19.05	1.44	36.59
67	67B2	G-6	Auto	G	13.5	0.59	7.97	4	5000 ⁽⁹⁾	S.C. Bay.	C-2R	0.81	20.57	1.44	36.58
67K		G-6	Indicator	G	13.5	0.59	7.97	4	5000 ⁽⁹⁾	Cand. Sc.	C-2R	1	25.4	1.38	35.05
68	68CP	G-6	Auto and Marine	G	13.5	0.59	7.97	4	5000 ⁽⁹⁾	D.C. Bay.	C-2R	0.81	20.57	1.44	36.58
70	70CP	T-1 1/4	Auto	V	14	0.15	2.1	1.5	100	Wedge, W2.1x4.6d	C-2F	0.4	10.16	0.8	20.32
71		G-6	Special Service	V	22	0.18	3.74	3	200	S.C. Bay.	C-2V	0.75	19.05	1.44	36.58
71K		G-6	Indicator	V	22	0.18	3.74	3	200	Cand. Sc.	C-2V	0.94	23.88	1.38	35.05
71M		G-6	Indicator	V	22	0.18	3.74	3	200	Min.Sc.	C-2V	0.87	22.1	1.31	33.27
72		G-6	Special Service	V	22	0.18	3.96	3	200	S.C. Bay.	C-2V	0.75	19.05	1.44	36.58
73	73CP	T-1 1/4	Auto	V	14	0.08	1.12	0.3	15000	Wedge, W2.1x4.6d	C-2F	0.4	10.16	0.8	20.32
73E		T-1 1/4	Indicator, Extended Leads 5/8"	V	14	0.08	1.12	0.3	15000 ⁽¹⁶⁾⁽²⁸⁾	Wire Term.	C-2F	—	—	0.8	20.32
74	74B2	T-1 1/4	Auto	V	14	0.1	1.4	0.7	500	Wedge, W2.1x4.6d	C-2F	0.4	10.16	0.8	20.32
PC74	PC74B2	T-1 1/4	Auto	V	14	0.1	1.4	0.7	1000	P.C. Socket	C-2F	0.32	8.13	0.84	21.34
PC74S		T-1 1/4	Auto	V	14	0.1	1.4	0.7	1000	P.C. Socket	C-2F	0.32	8.13	0.84	21.34
79		T-1 1/4		—	6	0.2	1.2	0.6	1000	Wedge, W2.1x4.6d	C-2R	0.4	10.16	0.8	20.32
81	81CP	G-6	Auto, Aviation and Coin Machine	G	6.5	1.02	6.63	6	500	S.C. Bay.	C-2R	0.75	19.05	1.44	36.58
82		G-6	Auto and Marine	G	6.5	1.02	6.63	6	500	D.C. Bay.	C-2R	0.75	19.05	1.44	36.58
82X		G-6	Special Service	G	6.5	1.2	7.8	5.6	2000	D.C. Bay.	C-2R	0.75	19.05	1.44	36.58
85	85CP	T-1 1/4	Indicator	V	28	0.04	1.12	0.3	7000 ⁽⁴⁾	Wedge, W2.1x4.6d	C-2F	0.4	10.16	0.8	20.32
86		T-1 1/4	Indicator	V	6.3	0.2	1.26	0.4	20000 ⁽²⁾	Wedge, W2.1x4.6d ⁽⁵⁵⁾	C-2F	0.4	10.16	0.8	20.32
87		S-8	Auto ⁽¹⁾	G	6.8	1.91	13	15	300	S.C. Bay.	C-6	1.13	28.7	2	50.8
88		S-8	Auto and Marine ⁽¹⁾	G	6.8	1.91	13	15	300	D.C. Bay.	C-6	1.13	28.7	2	50.8
89	89B2	G-6	Auto	G	13	0.58	7.5	6	750	S.C. Bay.	C-2R	0.75	19.05	1.44	36.58
89K		G-6	Indicator	G	13	0.58	7.5	6	750	Cand. Sc.	C-2R	0.94	23.88	1.38	35.05
90	90B2	G-6	Auto and Marine	G	13	0.58	7.5	6	750	D.C. Bay.	C-2R	0.75	19.05	1.44	36.58
90MB		T-2 1/2		—	90	0.03	2.7	0.37	5000	Min. Bay.	CC-7A	0.95	24.13	1.19	30.23
93	93B2	S-8	Auto ⁽¹⁾	G	12.8	1.04	13.31	15	700	S.C. Bay.	C-2R	1.13	28.7	2	50.8
94	94CP	S-8	Auto and Marine ⁽¹⁾	G	12.8	1.04	13.31	15	700	D.C. Bay.	C-6	1.13	28.7	2	50.8
96		G-6	Auto	G	13.5	0.69	9.32	4	5000 ⁽⁹⁾	D.C. Bay.	C-2V	0.81	20.57	1.44	36.58
97	97B2	G-6	Auto	G	13.5	0.69	9.32	4	5000 ⁽⁹⁾	S.C. Bay.	C-2V	0.81	20.57	1.44	36.58
97A		G-6	Auto, Outside Coated Translucent Amber	G	13.5	0.69	9.32	—	5000	S.C. Bay.	C-2V	—	—	1.44	36.58
98		G-6	Auto	G	13	0.62	8.06	6	800	S.C. Bay.	C-2V	0.75	19.05	1.44	36.58
99		G-6	Auto	G	13	0.62	8.06	6	800	D.C. Bay.	C-2V	0.75	19.05	1.44	36.58
103		T-0 3/4	Auto, Indicator, Instrument	—	4.5	0.023	0.1	—	5500	Bi-Pin	C-2R	—	—	—	—
104		B-6	Auto	G	12.8	1	12.8	12	500	D.C. Bay.	C-6	1.06	26.92	1.75	44.45
105	105CP	B-6	Auto	G	12.8	1	12.8	12	500	S.C. Bay.	C-6	1.06	26.92	1.75	44.45

(1) Base Pins approximately at right angles to plane of filament.

(2) Life shown is AC voltage. DC life is estimated to be half of AC life.

(3) At 14.0 volts.

(12) Lens end.

(16) This lamp has wire terminals. Use extreme care when soldering or welding this lamp as leaks and glass cracks may develop. Lamps should be stored in a cool, dry place. Do not keep lamps in storage for more than 6 months.

(28) Leads are clean and can be soldered.

(55) Subminiature wedge base lamps less than 12 volts use copper outer lead wires to reduce contact resistance in lieu of corrosion resistance in extreme environments.

Lamps

Note: Not all part numbers are available for purchase, but included for reference only.
Please contact customer service for part number availability at 1-800-257-6054.

Numerical Listing

Lamp Trade No.	Philips Part #	Bulb Family	Primary Application	Vac (V) — Gas (G)	Design Volts	Design Amps	Design Watts	Approx. Candle-Pwr.	Rated Avg. Life, Hours	Base	Filament Type	Light Center Length		Max Overall Length	
												in	mm	in	mm
112		TL-3	Flashlight - 1 AA Cell ⁽¹²⁾	V	1.2	0.22	0.26	—	5	Min. Sc.	S-2	—	—	0.94	23.88
118		T-2½	Auto, Indicator, Instrument	—	14.4	0.12	1.73	0.07	15000	Wedge, W2.1x9.5d	C-2V	—	—	—	—
118F		T-2½		—	14.4	0.124	1.79	0.07	5000	Wedge, W2.1x9.5d	C-2F	—	—	0.9	22.86
PC118		T-2½	Auto	—	14	0.12	1.68	0.7	4000	P.C. Socket	C-2V	0.41	10.41	0.98	24.89
PC119		T-2½	Auto	—	14	0.15	2.1	1.2	3000	P.C. Socket	C-2V	0.41	10.41	0.98	24.89
120MB		T-2½	Indicator	V	120	0.025	3	0.36	10000	Min. Bay.	CC-7A	—	—	1.19	30.23
120MB/6		T-2½		—	120	0.052	6.24	1.43	3000	Min. Bay.	CC-7A	0.95	24.13	1.19	30.23
123		G-3½	Flashlight - 1 D Cell	V	1.25	0.3	0.38	0.1	10	Min. Sc.	S-2	0.72	18.29	0.94	23.88
124		T-3¼	Auto, Vanity	V	14	0.27	3.78	1.5	5000	Wedge, W2.1x9.5d	C-2F	0.56	14.22	1.06	26.92
124E		T-3¼	Side Marker	V	14	0.27	3.8	1.5	5000	Wire Term.	C-2F	0.56	14.22	1.06	26.92
127		T-3¼	Toy and Indicator	V	2.47	0.275	0.68	0.48	30	Wedge, W2.1x9.5d	C-2R	0.65	16.51	1.06	26.92
130		G-3½	Indicator, Radio and TV	V	6.3	0.15	0.95	0.32	5000	Min. Bay.	C-2R	0.5	12.7	0.94	23.88
131		G-3½	Bicycle - 1 D Cell	V	1.3	0.1	0.13	0.03	50	Min. Sc.	S-2	0.72	18.29	0.94	23.88
133		G-3½	Indicator	V	6.3	0.15	0.95	0.32	15000	Min. Sc.	C-2R	0.72	18.29	0.94	23.88
134		G-3½	Indicator	V	6.3	0.25	1.58	0.55	5000	Min. Sc.	C-2R	0.72	18.29	0.94	23.88
137		G-3½	Radio	—	6.3	0.25	1.58	0.55	5000	Min. Bay.	C-2R	0.5	12.7	0.94	23.88
147		T-3¼	Indicator	V	7	0.43	3.01	2	1500	Wedge, W2.1x9.5d	C-2R	0.56	14.22	1.06	26.92
148		T-3¼	Special Service	V	7	0.9	6.3	2	200	Wedge, W2.1x9.5d	C-2V	0.56	14.22	1.06	26.92
149		T-3¼	Emergency Lighting	V	6.15	0.53	3.26	3.5	15	Wedge, W2.1x9.5d	C-2R	0.56	14.22	1.06	26.92
152		T-3¼	Instrument	—	28	0.07	1.96	0.85	10000	Wedge, W2.1x9.5d	C-2F	0.56	14.22	1.05	26.67
157		G-6	Medical ⁽⁵⁾	G	5.8	1.1	6.38	8.1	50	Min. Sc.	C-2R	1	25.4	1.22	30.99
158	158LLB2	T-3¼	Auto	V	14	0.24	3.36	2	500	Wedge, W2.1x9.5d	C-2V	0.56	14.22	1.06	26.92
PC158		T-3¼	Instrument	V	14	0.24	3.36	2	500	P.C. Socket	C-2F	0.45	11.43	1.11	28.19
159		T-3¼	Indicator	V	6.3	0.15	0.95	0.34	10000	Wedge, W2.1x9.5d	C-2R	0.56	14.22	1.06	26.92
160		T-3¼	Auto	—	14	0.19	2.66	0.9	25000	Wedge, W2.1x9.5d	C-2F	0.56	14.22	1.05	26.67
PC160		T-3¼	Auto	—	14	0.19	2.66	0.9	25000	P.C. Socket	C-2F	0.45	11.43	1.11	28.19
161	161B2	T-3¼	Auto	V	14	0.19	2.66	1	4000	Wedge, W2.1x9.5d	C-2F	0.56	14.22	1.06	26.92
161B		T-3¼	Auto, Blue	V	14	0.19	2.66	—	4000	Wedge, W2.1x9.5d	C-2F	0.56	14.22	1.06	26.92
PC161	PC161B2	T-3¼	Auto	V	14	0.19	2.66	1	4000	P.C. Socket	C-2F	0.45	11.43	1.11	28.19
168	168B2	T-3¼	Auto	V	14	0.35	4.9	3	1500	Wedge, W2.1x9.5d	C-2F	0.56	14.22	1.06	26.92
168A	168NAB2	T-3¼	Auto	V	14	0.35	4.9	3	1500	Wedge, W2.1x9.5d	C-2F	0.56	14.22	1.06	26.92
PC168	PC168B2	T-3¼	Auto	V	14	0.35	4.9	3	1500	P.C. Socket	C-2F	0.45	11.43	1.11	28.19
PC168B		T-3¼	Auto, Blue	V	14	0.35	4.9	—	1500	P.C. Socket	C-2F	0.45	11.43	1.11	28.19
175		T-3¼	Indicator	—	14	0.58	8.12	5	1000	Wedge, W2.1x9.5d	C-2F	0.56	14.22	1.05	26.67
PC175		T-3¼	Auto	—	14	0.58	8.12	5	1000	P.C. Socket	C-2F	0.45	11.43	1.11	28.19
182		G-3½	Auto	V	14.4	0.18	2.59	1	2000	Min. Bay.	C-2F	0.5	12.7	0.94	23.88
184		T-3¼	Auto	V	14.4	0.24	3.46	1.1	7000	Wedge, W2.1x9.5d	C-2F	0.56	14.22	1.06	26.92
192	192CP	T-3¼	Auto	V	13	0.33	4.29	3	1000	Wedge, W2.1x9.5d	C-2V	0.56	14.22	1.06	26.92
193	193CP	T-3¼	Auto	V	14	0.33	4.62	2	7500	Wedge, W2.1x9.5d	C-2F	0.56	14.22	1.06	26.92
193E		T-3¼	Auto, 9/16" Leads Up	V	14	0.33	4.62	2	15000	Wire Term. ⁽¹⁶⁾	C-2F	0.56	14.22	1.07	27.18
194	194B2	T-3¼	Auto	V	14	0.27	3.78	2	2500	Wedge, W2.1x9.5d	C-2F	0.56	14.22	1.06	26.92
194A	194NAB2	T-3¼	Auto, Outside Coated Translucent Amber	V	14	0.27	3.78	—	2500	Wedge, W2.1x9.5d	C-2F	—	—	1.06	26.92
194B		T-3¼	Auto, Blue ⁽¹³⁾	V	14	0.27	3.78	2	2500	Wedge, W2.1x9.5d	C-2F	—	—	1.06	26.92
194E		T-3¼	Side Marker	V	14	0.27	3.78	2	2500	Wire Term.	C-2F	0.56	14.22	1.06	26.92
194G		T-3¼	Auto, Green ⁽¹³⁾	V	14	0.27	3.78	2	2500	Wedge, W2.1x9.5d	C-2F	—	—	1.06	26.92

(1) Base Pins approximately at right angles to plane of filament.

(5) Bulb top selected for minimum glass imperfections.

(13) Paint may be adversely affected if exposed to extreme moisture, hot or cold conditions.

(16) This lamp has wire terminals. Use extreme care when soldering or welding this lamp as leaks and glass cracks may develop. Lamps should be stored in a cool, dry place. Do not keep lamps in storage for more than 6 months.

Numerical Listing

Note: Not all part numbers are available for purchase, but included for reference only.
Please contact customer service for part number availability at 1-800-257-6054.

Lamps

Lamp Trade No.	Philips Part #	Bulb Family	Primary Application	Vac (V) — Gas (G)	Design Volts	Design Amps	Design Watts	Approx. Candle-Pwr.	Rated Avg. Life, Hours	Base	Filament Type	Light Center Length		Max Overall Length	
												in	mm	in	mm
194LL	194LLB2	T-3/4	Auto	V	14	0.27	3.78	2	5000	Wedge, W2.1x9.5d	C-2F	0.56	14.22	1.06	26.92
194NA	194NAB2	T-3/4	Auto, Amber (Natural)	V	14	0.27	3.78	1.5	2500	Wedge, W2.1x9.5d	C-2F	—	—	1.06	26.92
194R		T-3/4	Auto, Red ⁽¹³⁾	V	14	0.27	3.78	2	2500	Wedge, W2.1x9.5d	C-2F	—	—	1.06	26.92
PC194	PC194B2	T-3/4	Auto	V	14	0.27	3.78	2	2500	P.C. Socket	C-2F	0.45	11.43	1.11	28.19
PC194B		T-3/4	Auto, Blue	V	14	0.27	3.78	—	2500	P.C. Socket	C-2F	0.45	11.43	1.11	28.19
PC194B3		T-3/4	Auto, White Blue	V	14	0.27	3.78	—	2500	P.C. Socket	C-2F	0.45	11.43	1.11	28.19
PC194G		T-3/4	Auto, Green	V	14	0.27	3.78	—	2500	P.C. Socket	C-2F	0.45	11.43	1.11	28.19
PC194R		T-3/4	Auto, Red	V	14	0.27	3.78	—	2500	P.C. Socket	C-2F	0.45	11.43	1.11	28.19
195		T-3/4	Auto	—	14	0.27	3.78	1.8	12000	Wedge, W2.1x9.5d	C-2F	0.56	14.22	1.05	26.67
PC195		T-3/4	Auto	—	14	0.27	3.78	1.8	12000	P.C. Socket	C-2F	0.45	11.43	1.11	28.19
198	198CP	S-8	Auto ⁽¹⁾	G	12.8	2.25	28.8	32	1200	D.C. Index	C-6	1.25	31.75	2	50.8
199	199CP	S-8	Auto ⁽¹⁾	G	12.8	2.25	28.8	32	1200	S.C. Bay.	C-6	1.25	31.75	2	50.8
200		G-6	Special	G	4	0.85	3.4	2.5	50	D.C. Bay.	C-2R	—	—	1.44	36.58
209		B-6	Auto	G	6.5	1.78	11.57	15	100	S.C. Bay.	C-6	1.06	26.92	1.75	44.45
210		B-6	Auto and Marine	G	6.5	1.78	11.57	15	100	D.C. Bay.	C-6	1.06	26.92	1.75	44.45
211		T-4 1/2	Auto Cartridge	G	12.8	0.97	12.42	12	750	Dbl. Fest. Cap	C-8	—	—	1.75	44.45
211-2	211-2B2	T-3	Auto	G	12.8	0.97	12.42	12	1000	Dbl. End Cap	C-8	—	—	1.72	43.69
212		T-4 1/2	Auto Cartridge	G	13.5	0.74	10	6	5000	Dbl. Fest. Cap	C-8	—	—	1.75	44.45
212-2	212-2B2	T-3	Auto	G	13.5	0.74	10	6	5000	Dbl. End Cap	C-8	—	—	1.72	43.69
214-2		T-3	Auto	G	13.5	0.52	7.02	4	2000	Dbl. End Cap	C-8	—	—	1.72	43.69
216		T-3/4	Auto Radio	V	14.4	0.24	3.46	1.1	7000	Min. Bay.	C-2F	0.63	16	1.19	30.23
219		G-3 1/2	Indicator, Radio and TV	V	6.3	0.25	1.58	0.5	10000	Min. Bay.	C-2V	0.53	13.46	0.94	23.88
222	222CP	TL-3	Flashlight - 2 AA Cells ⁽¹²⁾	V	2.25	0.25	0.56	—	5	Min. Bay.	C-2R	—	—	0.94	23.88
232		G-6	Auto, Under Hood	—	13.5	0.74	9.99	10	400	S.C. Bay.	C-2R	—	—	—	—
233		G-3 1/2	Flashlight - 2 C Cells	V	2.33	0.27	0.63	0.42	10	Min. Sc.	C-2R	0.72	18.29	0.94	23.88
238		T-3/4	Indicator	G	6.3	0.5	3.15	2	2000	Min. Bay.	C-2R	0.72	18.29	1.19	30.23
243		TL-3	Flashlight - 2 C Cells ⁽¹²⁾	V	2.33	0.27	0.63	—	10	Min. Sc.	C-2R	—	—	0.94	23.88
243D		TL-3	Flashlight - 2 D Cells	V	2.33	0.27	0.63	—	10	Wire Leads Tinned	C-2R	—	—	—	—
245		G-3 1/2	Flashlight - 2 D Cells	V	2.46	0.5	1.23	0.9	15	Min. Sc.	C-2R	0.72	18.29	0.94	23.88
251		T-1 1/4	Indicator	V	2.47	0.3	0.74	0.45	30 ⁽⁷⁾	S.C. Midget Flng	C-2R	0.38	9.65	0.63	16
252		TL-1 1/4	Instrument, Lens End ⁽²³⁾	V	2.5	0.35	0.88	—	10000 ⁽⁷⁾	S.C. Midget Flng	C-2R	—	—	0.69	17.53
253X		TL-1 1/4	Instrument,	V	2.5	0.35	0.88	—	10000 ⁽⁷⁾	Midget Grooved	C-2R	—	—	0.69	17.53
256		T-3/4	Auto, Instrument	—	14	0.27	3.78	—	500	Min. Bay.	C-2R	—	—	—	—
257		G-4 1/2	Auto Flasher	V	14	0.27	3.78	1.6	500 ⁽⁹⁾	Min. Bay.	C-2R	0.63	16	1.06	26.92
258		G-4 1/2	Toy, Flasher	G	14	0.27	3.78	1.6	501 ⁽⁹⁾	Min. Sc.	C-2R	0.81	20.57	1.07	27.18
259		T-3/4	Radio, TV and Indicator	V	6.3	0.25	1.58	0.65	5000 ⁽²²⁾	Wedge, W2.1x9.5d	C-2R	0.65	16.51	1.06	26.92
265		G-3 1/2	Indicator	V	28	0.08	2.24	0.75	5000	Min. Bay.	C-2F	0.5	12.7	0.94	23.88
267		T-3/4	Indicator Flasher	V	6.3	0.15	0.95	0.33	5000 ⁽³⁰⁾	Min. Bay.	C-2R	0.62	15.75	1.19	30.23
268		T-1 1/4	Instrument	—	2.5	0.35	0.88	0.2	10000	S.C. Midget Flng	C-2R	0.44	11.18	0.63	16
280		T-3/4	Signal	V	10	0.13	1.3	0.85	250	Wedge, W2.1x9.5d	C-2V	0.56	14.22	1.06	26.92
285		T-3/4	Signal	V	5	0.09	0.45	0.25	1500 ⁽⁷⁾	Wedge, W2.1x9.5d	C-2R	0.56	14.22	1.06	26.92
293		G-4 1/2	Auto	V	14	0.33	4.62	2	5000	Min. Bay.	C-2F	0.56	14.22	1.06	26.92
301		G-5	Aviation ⁽¹⁾	V	28	0.17	4.76	3	500	S.C. Bay.	C-2F	0.69	17.53	1.38	35.05
302		G-5	Aviation ⁽¹⁾	V	28	0.17	4.76	3	500	D.C. Bay.	C-2F	0.69	17.53	1.38	35.05
303		G-6	Aviation ⁽¹⁾	V	28	0.3	8.4	6	500	S.C. Bay.	C-2F	0.75	19.05	1.44	36.58
304		G-6	Aviation ⁽¹⁾	V	28	0.3	8.4	6	500	D.C. Bay.	C-2F	0.75	19.05	1.44	36.58
305		S-8	Aviation ⁽¹⁾	G	28	0.51	14.28	15	300	S.C. Bay.	C-2V	1.13	28.7	2	50.8
305AF		S-8	Aviation, All Frosted	G	28	0.51	14.28	—	300	S.C. Bay.	C-2V	—	—	2	50.8
305IF		S-8	Aviation, Inside Frosted	G	28	0.51	14.28	—	300	S.C. Bay.	C-2V	—	—	2	50.8
306		S-8	Aviation ⁽¹⁾	G	28	0.51	14.28	15	300	D.C. Bay.	C-2V	1.13	28.7	2	50.8
307	307CP	S-8	Aviation ⁽¹⁾	G	28	0.67	18.48	21	300	S.C. Bay.	C-2V	1.13	28.7	2	50.8
307AF		S-8	Aviation, All Frosted	G	28	0.67	18.76	—	300	S.C. Bay.	C-2V	—	—	2	50.8
307IF		S-8	Aviation, Inside Frosted	G	28	0.67	18.48	—	300	S.C. Bay.	C-2V	—	—	2	50.8
307R		S-8	Aviation, Outside Coated Red	G	28	0.67	18.76	—	300	S.C. Bay.	C-2V	—	—	2	50.8

(1) Base Pins approximately at right angles to plane of filament.
 (2) Life shown is AC voltage. DC life is estimated to be half of AC life.
 (7) Life tests are conducted using DC voltage.
 (9) Average useful life.
 (12) Lens end.
 (22) At 6.6 volts.

(23) Side solder within 25 degrees of plane of filament.
 (24) Light center length measured from open end of base to center of filament.
 (30) These lamps flash randomly. At design voltage and room temperature, most lamps will flash within 1 minute.

Lamps

Note: Not all part numbers are available for purchase, but included for reference only.
Please contact customer service for part number availability at 1-800-257-6054.

Numerical Listing

Lamp Trade No.	Philips Part #	Bulb Family	Primary Application	Vac (V) — Gas (G)	Design Volts	Design Amps	Design Watts	Approx. Candle-Pwr.	Rated Avg. Life, Hours	Base	Filament Type	Light Center Length		Max Overall Length	
												in	mm	in	mm
307SB		S-8	Aviation, Reflectorized bowl	G	28	0.67	18.76	—	300	S.C. Bay.	C-2V	1.12	28.45	2	50.8
308		S-8	Aviation ⁽¹⁾	G	28	0.67	18.48	21	300	D.C. Bay.	C-2V	1.13	28.7	2	50.8
308AF		S-8	Aviation, All Frosted	G	28	0.67	18.76	—	300	D.C. Bay.	C-2V	—	—	2	50.8
308IF		S-8	Aviation, Inside Frosted	G	28	0.67	18.48	—	300	D.C. Bay.	C-2V	—	—	2	50.8
309		S-11	Aviation ⁽¹⁾	G	28	0.9	25.2	32	300	S.C. Bay.	C-2V	1.25	31.75	2.38	60.45
310		S-11	Aviation	G	28	0.9	25.2	32	300	D.C. Bay.	C-2V	1.25	31.75	2.38	60.45
311		S-11	Aviation	G	28	1.29	36.12	50	300	S.C. Bay.	C-2V	1.25	31.75	2.38	60.45
311R		S-11	Aviation, Outside Coated Red	G	28	1.29	36.12	—	300	S.C. Bay.	C-2V	—	—	2.38	60.45
312		S-11	Aviation	G	28	1.29	36.12	50	300	D.C. Bay.	C-2V	1.25	31.75	2.38	60.45
313		T-3¼	Aviation	V	28	0.17	4.76	3.5	500	Min. Bay.	C-2F	0.63	16	1.19	30.23
315		S-8	Aviation	G	28	0.9	25.2	32	300	S.C. Bay.	C-2V	1.13	28.7	2	50.8
316		T-3¼	Aviation	G	6	0.7	4.2	3.4	500	Min. Bay.	C-2R	0.62	15.75	1.19	30.23
323		T-1¼	Aviation	V	3	0.19	0.57	0.25	350	Special ⁽²⁴⁾	C-2R	0.18	4.57	0.55	13.97
327		T-1¼	Aviation	V	28	0.04	1.12	0.34	4000 ⁽²⁾	S.C. Midget Flng	C-2F	0.38	9.65	0.63	16
327R		T-1¼	Aviation, Coated Red	V	28	0.04	1.12	—	4000 ⁽²⁾	S.C. Midget Flng	C-2F	—	—	0.63	16
327X		T-1¼	Indicator	—	28	0.046	1.29	0.33	2500	S.C. Midget Flng	C-2F	0.38	9.65	0.63	16
328		T-1¼	Aviation	V	6	0.2	1.2	0.34	1000	S.C. Midget Flng	C-2R	0.38	9.65	0.63	16
330	330CP	T-1¼	Aviation	V	14	0.08	1.12	0.5	1500	S.C. Midget Flng	C-2F	0.38	9.65	0.63	16
331		T-1¼	Indicator	—	1.35	0.06	0.08	0.01	500	S.C. Midget Flng	S-2	0.38	9.65	0.63	16
334		T-1¼	Aviation	V	28	0.04	1.12	0.34	4000 ⁽²⁾	Midget Grooved	C-2F	0.38	9.65	0.63	16
335		T-1¼	Indicator	V	28	0.04	1.12	0.34	4000 ⁽²⁾	Midget Screw	C-2F	0.52	13.21	0.72	18.29
336		T-1¼		—	14	0.08	1.12	0.5	1500	Midget Grooved	C-2F	—	—	0.63	16
337		T-1¼		—	6	0.2	1.2	0.6	1000	Midget Grooved	C-2R	—	—	0.63	16
338		T-1¼		—	2.7	0.06	0.16	0.04	6000	S.C. Midget Flng	C-2R	0.38	9.65	0.63	16
344		T-1¼	Indicator	—	10	0.014	0.14	—	5000	S.C. Midget Flng	C-2F	0.38	9.65	0.63	16
345		T-1¼	Indicator	—	6	0.04	0.24	0.03	10000	S.C. Midget Flng	C-2V	0.38	9.65	0.63	16
349		T-1¼		—	6.3	0.2	1.26	0.55	5000	S.C. Midget Flng	C-2R	0.38	9.65	0.63	16
350		T-1¼	Aviation	—	6.3	0.15	0.95	0.4	3000	S.C. Midget Flng	C-2R	0.38	9.65	0.63	16
356	356CP	G-3½	Aviation	V	28	0.17	4.76	3.5	500	Min. Bay.	C-2V	0.5	12.7	0.94	23.88
363		G-3½	Toy	V	14	0.2	2.8	2	250	Min. Bay.	C-2V	—	—	0.94	23.88
367		T-1¼	Indicator	—	10	0.04	0.4	0.1	5000	S.C. Midget Flng	C-2V	0.38	9.65	0.63	16
370		T-1¼	Indicator	V	18	0.04	0.72	0.15	10000 ⁽²⁾	S.C. Midget Flng	C-2F	0.38	9.65	0.63	16
376		T-1¼		—	28	0.04	1.12	0.34	25000	S.C. Midget Flng	C-2F	0.38	9.65	0.63	16
378		T-1¼		—	6.3	0.2	1.26	0.4	20000	Midget Screw	C-2F	0.52	13.21	0.72	18.29
381		T-1¼	Indicator	V	6.3	0.2	1.26	0.4	20000 ⁽²⁾⁽¹⁵⁾	S.C. Midget Flng	C-2F	0.38	9.65	0.63	16
382		T-1¼	Indicator	V	14	0.08	1.12	0.3	40000 ⁽²⁾⁽¹⁵⁾	S.C. Midget Flng	C-2F	0.38	9.65	0.63	16
384		T-1¼	Indicator	—	11	0.025	0.28	0.05	2000	S.C. Midget Flng	C-2F	—	—	0.63	16
386		T-1¼	Indicator	V	14	0.08	1.12	0.3	40000 ⁽²⁾⁽¹¹⁾	Midget Grooved	C-2F	0.38	9.65	0.63	16
387		T-1¼	Indicator	V	28	0.04	1.12	0.3	7000 ⁽²⁾⁽¹⁹⁾	S.C. Midget Flng	C-2F	0.38	9.65	0.63	16
388		T-1¼	Indicator	V	28	0.04	1.12	0.3	7000 ⁽²⁾⁽¹⁹⁾	Midget Grooved	C-2F	0.38	9.65	0.63	16
394		T-1¼	Indicator	V	12	0.04	0.48	0.1	10000 ⁽²⁾	S.C. Midget Flng	C-2F	0.38	9.65	0.63	16
398		T-1¼		—	6.3	0.2	1.26	0.55	5000	Midget Grooved	C-2R	—	—	0.63	16
399		T-1¼		—	28	0.04	1.12	0.3	7000	Midget Screw	C-2F	0.52	13.21	0.72	18.29
400		T-3¼	Aviation	V	28	0.1	2.8	1.6	1000	Wedge, W2.1x9.5d	C-2F	0.56	14.22	1.06	26.92
407		G-4½	Hand Lantern Flasher - 4 F Cells	V	4.9	0.3	1.47	1.4	50 ⁽⁹⁾	Min. Sc.	C-2R	0.81	20.57	1.06	26.92
425		G-4½	Hand Lantern - 4 F Cells	G	5	0.5	2.5	2.3	15	Min. Sc.	C-2R	0.72	18.29	1.06	26.92
428		G-4½	Toy	V	12.5	0.25	3.13	2.4	250	Min. Sc.	C-2V	0.72	18.29	1.06	26.92
430		G-4½	Toy	V	14	0.25	3.5	2.7	250	Min. Sc.	C-2R	0.72	18.29	1.06	26.92
432		G-4½	Toy	V	18	0.25	4.5	3.5	250	Min. Sc.	C-2V	0.72	18.29	1.06	26.92
433		G-4½	Toy	V	18	0.25	4.5	3.5	250	Min. Sc.	C-2V	0.5	12.7	1.06	26.92
447		T-3¼	Indicator and Coin Machine	V	6.3	0.15	0.95	0.52	1500	Wedge, W2.1x9.5d	C-2V	0.56	14.22	1.06	26.92
455		G-4½	Indicator Flasher	G	6.5	0.5	3.25	2	500 ⁽⁹⁾	Min. Bay.	C-2R	0.56	14.22	1.06	26.92
456		G-4½	Indicator	V	28	0.17	4.76	2	5000	Min. Bay.	C-2F	0.56	14.22	1.07	27.18
464	464CP	T-3¼	Aviation	V	28	0.17	4.76	3	1500	Wedge, W2.1x9.5d	C-2F	0.56	14.22	1.06	26.92
502	502CP	G-4½	Hand Lantern - 4 F Cells	V	5.1	0.15	0.77	0.6	100	Min. Sc.	C-2R	0.72	18.29	1.06	26.92
503		G-4½	Hand Lantern - 4 F Cells	V	5.1	0.15	0.77	0.6	100	Min. Bay.	C-2R	0.5	12.7	1.06	26.92
509		G-6	Indicator	V	24	0.18	4.32	2.8	1000	S.C. Bay.	C-2V	0.75	19.05	1.06	26.92

(2) Life shown is AC voltage. DC life is estimated to be half of AC life.
 (3) At 14.0 volts.
 (9) Average useful life.
 (11) Actual life depends on practical usage applications. Laboratory design life is 50,000 hours.
 (15) Based on limited test information.
 (19) Actual life depends on practical usage applications. Laboratory design life is 25,000 hours.
 (25) Use TL-3 ¼ bulb lens-end.
 (30) These lamps flash randomly. At design voltage and room temperature, most lamps will flash within 1 minute.

Numerical Listing

Note: Not all part numbers are available for purchase, but included for reference only.
Please contact customer service for part number availability at 1-800-257-6054.

Lamps

Lamp Trade No.	Philips Part #	Bulb Family	Primary Application	Vac (V) — Gas (G)	Design Volts	Design Amps	Design Watts	Approx. Candle-Pwr.	Rated Avg. Life, Hours	Base	Filament Type	Light Center Length		Max Overall Length	
												in	mm	in	mm
509K		G-6	Indicator	V	24	0.18	4.32	2.8	1000	Cand. Sc.	C-2F	0.94	23.88	1.38	35.05
545		T-3¼	Indicator Flasher ⁽³⁰⁾	V	6.5	0.31	2.02	1.5	500 ⁽⁹⁾	Wedge, W2.1x9.5d	C-2R	0.63	16	1.06	26.92
555		T-3¼	Coin Machine	V	6.3	0.25	1.6	0.9	3000	Wedge, W2.1x9.5d	C-2R	0.65	16.51	1.25	31.75
558		T-3¼	Auto and Indicator, Lens End ⁽²⁵⁾	V	13	0.33	4.29	—	500 ⁽²⁵⁾	Wedge, W2.1x9.5d	C-2V	—	—	1.06	26.92
560		T-3	Auto	—	14	0.44	6.16	2	7500	Dbl. End Cap	C-8	—	—	1.72	43.69
561	561B2	T-3	Auto	G	12.8	0.97	12.41	12	1000	Rigid Loop	C-8	—	—	1.72	43.69
562	562B2	T-3	Auto	G	13.5	0.74	10	6	2000 ⁽³⁾	Rigid Loop	C-8	—	—	1.72	43.69
563		T-3	Auto	G	13.5	0.52	7.02	4	1000 ⁽³⁾	Rigid Loop	C-8	—	—	1.72	43.69
564		T-3	Auto	G	14	0.44	6.16	2	2000	Rigid Loop	C-8	—	—	1.72	43.69
566		T-3	Auto	—	14	0.36	5.04	1	2000	Rigid Loop	C-8	—	—	1.72	43.69
567		T-3	Auto	—	12.8	0.78	9.98	9	1000	Rigid Loop	C-8	—	—	1.72	43.69
570		T-4¾	Auto	G	12	2.1	25.2	32	600	Rigid Loop	C-8	—	—	1.72	43.69
571		T-4¾	Auto	—	12.8	2.1	26.88	32	1200	Rigid Loop	C-8	.95	24.13	1.83	46.48
573		T-4¾	Auto	—	14	0.59	8.26	3	5000	Rigid Loop	C-8	—	—	1.72	43.69
575		T-4¾	Auto	—	12.8	2.1	26.88	32	1200	Dbl. End Cap	C-8	—	—	1.72	43.69
576		T-4¾	Auto	—	14	.48	6.72	2	5000	Rigid Loop	C-8	.95	24.13	1.83	46.48
577		T-4¾	Auto	—	12.8	1.4	17.92	21	1000	Rigid Loop	C-8	—	—	1.72	43.69
578	578LLB2	T-3	Auto	G	12	0.75	9	9	1000	Dbl. End Cap	C-8	—	—	1.72	43.69
579	579LLB2	T-5	Auto	G	12	0.75	9	9	1000	Dbl. End Cap	C-8	—	—	1.72	43.69
PC579	PC579CP	T-3¼	Auto	G	14	0.62	9	9	1000	Wedge, W2.1x9.5d	C-2F	—	—	1.72	43.69
585		T-3¼	Indicator	V	28	0.04	1.12	0.3	7000 ⁽²⁾⁽¹⁵⁾	P.C. Socket	C-2F	0.45	11.43	1.11	28.19
605		G-4½	Flashlight - 5 D Cells	G	6.15	0.5	3.08	3.2	15	Wedge, W2.1x9.5d	C-2R	0.56	14.22	1.06	26.92
612		G-3½	Special Service	V	6.3	0.25	1.58	0.65	5000	Min. Sc.	C-2R	0.72	18.29	1.06	26.92
623	623CP	G-6	Auto, Two Identical Fil. In Series	V	28	0.37	10.36	6	1000	Min. Bi-Pin	C-6	0.66	16.76	0.94	23.88
624	624CP	G-6	Auto, Marine Two Identical Fil. in Series	V	28	0.37	10.36	6	1000	S.C. Bay.	2C-2V	0.75	19.05	1.44	36.58
631	631B2	G-6	Auto, Two Identical Fil. In Series	G	14	0.63	8.82	6	1000	D.C. Bay.	2C-2V	0.75	19.05	1.44	36.58
655		T-3¼	Indicator	—	28	0.2	5.6	3	7000	S.C. Bay.	2C-2R	0.75	19.05	1.44	36.58
656		T-3¼	Indicator	V	28	0.06	1.68	0.62	2500	Wedge, W2.1x9.5d	C-2F	0.5	12.7	1.05	26.67
657		T-3¼	Indicator	V	28	0.08	2.24	0.62	15000 ⁽²⁾⁽¹¹⁾	Wedge, W2.1x9.5d	C-2F	0.56	14.22	1.06	26.92
658		T-3¼	Indicator	V	14	0.08	1.12	0.31	15000 ⁽¹¹⁾	Wedge, W2.1x9.5d	C-2F	0.56	14.22	1.06	26.92
682		T-1	Indicator	—	5	0.06	0.3	0.03	60000	Sub-Midget Fing	C-2R	0.19	4.83	0.38	9.65
685		T-1	Aviation	V	5	0.06	0.3	0.05	40000 ⁽²⁾	Sub-Midget Fing	C-2R	0.19	4.83	0.38	9.65
705		S-8	Aviation	G	28	0.51	14.28	15	900	Min. Bi-Pin	C-6	0.77	19.56	1.05	26.67
715		T-1	Indicator	—	5	0.115	0.58	0.15	40000	S.C. Bay.	CC-6	1.12	28.45	2	50.8
737		T-1¼	Indicator	—	28	0.05	1.4	0.3	16000	Wire Term.	C-2R	—	—	0.25	6.35
755		T-3¼	Indicator	V	6.3	0.15	0.95	0.33	20000	Special Fing	C-2F	0.38	9.65	0.5	12.7
756		T-3¼	Indicator	V	14	0.08	1.12	0.33	15000	Min. Bay.	C-2R	0.71	18.03	1.19	30.23
757		T-3¼	Indicator	V	28	0.08	2.24	0.62	15000 ⁽²⁾⁽¹¹⁾	Min. Bay.	C-2F	0.63	16	1.13	28.7
767		T-2¼	Instrument, Halogen	G	6	2	12	19	50 ⁽¹⁵⁾	Min. Bay.	C-6	0.56	14.22	1.13	28.7
773		T-2¾	Special Service, Halogen	G	12	0.67	8.04	10	1000 ⁽¹⁵⁾	Min. Bay.	C-6	0.77	19.56	1.05	26.67
774		T-2¼	Emergency Lighting, Halogen	G	12	0.67	8.04	13	50	G4 Bi-Pin	C-6	0.77	19.56	1	25.4
777		T-2¼	Flashlight- Halogen	G	4	1.2	4.8	5.5	275	G4 Bi-Pin	C-6	0.77	19.56	1	25.4
778		T-2¾	Instrument, Halogen, High Temp. Fixtures	G	6	3.33	19.98	32	100	G4 Bi-Pin	C-6	0.77	19.56	1.05	26.67
780		T-2¾	Strip Light, Halogen	G	12	0.833	10	12	2000	G4 Bi-Pin	C-6	0.77	19.56	1.05	26.67
782		T-2¾	Special Service, Halogen	G	12	1.66	19.92	25	2000	G4 Bi-Pin	C-6	0.77	19.56	1.05	26.67
783		T-2¼	Emergency Lighting, Halogen	G	12	1	12	22	50	G4 Bi-Pin	C-6	0.77	19.56	1	25.4
784		T-2¼	Emergency Lighting, Halogen	G	6	1	6	9	50	G4 Bi-Pin	C-6	0.77	19.56	1	25.4
785		T-2¼	Emergency Lighting, Halogen	G	6	1.33	7.98	13	50	G4 Bi-Pin	C-6	0.77	19.56	1	25.4
786		T-2¼	Emergency Lighting, Halogen	G	6	2	12	19	50	G4 Bi-Pin	C-6	0.77	19.56	1	25.4
787		T-2¼	Instrument, Halogen	G	6	1.67	10.02	16	100	G4 Bi-Pin	C-6	0.77	19.56	1	25.4
788		T-2¼	Instrument, Halogen	G	6	3.33	19.98	32	100	G4 Bi-Pin	C-6	0.77	19.56	1	25.4
789		T-2¾	Instrument, Halogen	G	12	1.17	14.04	22	200	G4 Bi-Pin	C-6	0.77	19.56	1.05	26.67

(2) Life shown is AC voltage. DC life is estimated to be half of AC life.
 (3) At 14.0 volts.
 (10) Filament shielded.
 (11) Actual life depends on practical usage applications. Laboratory design life is 50,000 hours.
 (15) Based on limited test information.

Lamps

Note: Not all part numbers are available for purchase, but included for reference only.
Please contact customer service for part number availability at 1-800-257-6054.

Numerical Listing

Lamp Trade No.	Philips Part #	Bulb Family	Primary Application	Vac (V) — Gas (G)	Design Volts	Design Amps	Design Watts	Approx. Candle-Pwr.	Rated Avg. Life, Hours	Base	Filament Type	Light Center Length		Max Overall Length	
												in	mm	in	mm
790		T-2½	Instrument, Halogen	G	14	1.79	25.06	42	200	G4 Bi-Pin	C-6	0.77	19.56	1.05	26.67
791		T-2½	Instrument, Halogen	G	14	2.5	35	61	200	G4 Bi-Pin	C-6	0.77	19.56	1.05	26.67
794		T-2½	Special Service, Halogen	G	10.5	1.5	15.75	15	5000	G4 Bi-Pin	C-6	0.77	19.56	1.05	26.67
795	795B1	T-4	Signal, Halogen	G	12.8	3.906	50	108	200 ⁽³⁾	S.C. Bay.	C-6	1.25	31.75	2.5	63.5
795X		T-4	Auxiliary, Halogen	G	12.8	3.91	50	108	200	S.C. Bay.	C-8	1.25	31.75	2.5	63.5
796		T-4	Auxiliary, Halogen	G	12.8	2.73	35	60	300	S.C. Bay.	C-6	1.25	31.75	2.5	63.5
797		T-4	Auxiliary, Halogen	G	12.8	3.91	50	108	200	Special	C-6	1.25	31.75	2.5	63.5
808		T-4		—	12.8	1.64	21	32	700	Bi-Pin	C-6	1.12	28.45	1.83	46.48
809M		G-8	Instrument	V	70	0.12	8.4	0.8	600	Min. Sc.	C-7A	1.31	33.27	1.8	45.72
880	880B1	T-3¼	Auto, Halogen	G	12.8	2.1	27	43	300	Axial	C-6	1.25	31.75	2.75	69.85
880X		T-3¼	Auto, Halogen ⁽¹⁰⁾	G	12.8	2.1	26.88	43	200 ⁽³⁾	Axial	C-6	1.25	31.75	2.68	68.07
881	881B1	T-3¼	Auto, Halogen	G	12.8	2.1	27	43	300	Rt. Angle	C-6	1.25	31.75	2.75	69.85
881X		T-3¼	Auto, Halogen ⁽¹⁰⁾	G	12.8	2.1	26.88	43	200 ⁽³⁾	Rt. Angle	C-6	1.25	31.75	2.68	68.07
882X		T-2½	Auto, Halogen	G	12.8	0.35	4.48	3.8	2000	G4 Bi-Pin	C-6	0.77	19.56	1	25.4
PC882		T-2½	Auto, Halogen	G	12.8	0.35	4.5	3.8	2000	P.C. Socket	C-6	0.37	9.4	1.25	31.75
883		T-3¼	Auto, Fog Driving	G	12.8	3.9	49.92		300	Special	C-6	—	—	—	—
884		T-3¼	Special Service, Halogen	G	12.8	2.1	26.88	43	300	Axial	C-6	1.25	31.75	2.68	68.07
885	885B1	T-3¼	Auto, Halogen	G	12.8	3.9	49.92	100	200 ⁽³⁾	Axial	C-6	1.25	31.75	2.68	68.07
886	886B1	T-3¼	Auto, Halogen	G	12.8	3.9	49.92	100	200 ⁽³⁾	Rt. Angle	C-6	1.25	31.75	2.68	68.07
889	889B1	T-3¼	Auto, Halogen	G	12.8	2.1	27	43	300	Rt. Angle	C-6	1	25.4	2.75	69.85
890	890B1	T-3¼	Auto, Halogen	G	12.8	2.1	27	43	300	Axial	C-6	1	25.4	2.75	69.85
891	891B1	T-2½	Auto, Halogen	G	12.8	0.63	8	11	500	G4 Bi-Pin	C-6	0.77	19.56	1.25	31.75
892		T-3¼	Auto, Halogen	G	12.8	1.25	16	28	300	Axial	C-6	1.25	31.75	2.68	68.07
893	893B1	T-3¼	Auto, Halogen ⁽¹⁰⁾	G	12.8	2.93	37.5	75	200 ⁽³⁾	Axial	C-6	1.25	31.75	2.68	68.07
893X		T-3¼	Auto, Halogen ⁽¹⁰⁾	G	12.8	2.93	37.5	75	200 ⁽³⁾	Axial	C-6	1.25	31.75	2.68	68.07
894	894B1	T-3¼	Tractor	G	12.8	2.93	37.5	75	200 ⁽³⁾	Rt. Angle	C-6	1.25	31.75	2.68	68.07
896	896B1	T-3¼	Auto, Halogen ⁽¹⁰⁾	G	12.8	2.93	37.5	75	200 ⁽³⁾	Rt. Angle	C-6	1.25	31.75	2.68	68.07
898	898B1	T-3¼	Auto, Halogen ⁽¹⁰⁾	G	12.8	2.93	37.5	60	200 ⁽³⁾	Rt. Angle	C-6	1.25	31.75	2.68	68.07
899	899B1	T-3¼	Auto, Halogen ⁽¹⁰⁾	G	12.8	2.93	37.5	60	2000 ⁽³⁾	Axial	C-6	1.25	31.75	2.68	68.07
901		T-5	Garden & Security Lighting	G	12.8	0.31	3.97	2.9	500	Wedge, W2.1x9.5d	C-2R	0.81	20.57	1.49	37.85
904	904B2	T-5	Auto	G	13.5	0.69	9.32	4	5000 ⁽³⁾	Wedge, W2.1x9.5d	C-2F	0.81	20.57	1.5	38.1
906	906B2	T-5	Auto	G	13	0.69	9	6	1000	Wedge, W2.1x9.5d	C-2F	0.81	20.57	1.5	38.1
908		T-5	Emergency Lighting	G	6	1.5	9	12	50	Wedge, W2.1x9.5d	C-2R	0.81	20.57	1.5	38.1
909		T-5	Emergency Lighting	G	6	0.62	3.72	3	50	Wedge, W2.1x9.5d	C-2R	0.81	20.57	1.49	37.85
912	912B2	T-5	Auto	G	12.8	1	12.8	12	1000	Wedge, W2.1x9.5d	C-2R	0.81	20.57	1.5	38.1
914		T-5	Emergency Lighting	G	4	0.9	3.6	3.5	50	Wedge, W2.1x9.5d	C-6	0.81	20.57	1.5	38.1
915		T-5	Emergency Lighting	G	12	0.75	9	11	50	Wedge, W2.1x9.5d	C-2R	0.81	20.57	1.49	37.85
916	916B2	T-5	Auto	G	13.5	0.54	7.3	2	10000	Wedge, W2.1x9.5d	C-2F	0.81	20.57	1.5	38.1
916NA	916NAB2	T-5	Auto, Amber (Natural)	G	13	0.54	7.02	1.5	10000	Wedge, W2.1x9.5d	C-2F	0.81	20.57	1.49	37.85
917	917LLB2	T-5	Home Appliance	G	12	1.2	14.4	10	1200	Wedge, W2.1x9.5d	C-2F	0.81	20.57	1.49	37.85
918		T-5	Garden & Security Lighting	G	12.8	0.56	7.17	6.5	500	Wedge, W2.1x9.5d	C-2R	0.81	20.57	1.49	37.85
920	920LLB2	T-5		—	12.8	1.2	15.36	10	1200	Wedge, W2.1x9.5d	C-2F	0.81	20.57	1.49	37.85
921	921B2	T-5	Auto	G	12.8	1.4	18	21	1000	Wedge, W2.1x9.5d	C-2R	0.81	20.57	1.5	38.1
921NA	921NALLB2	T-5	Auto, Signal	G	12.8	1.4	18	21	1000	Wedge, W2.1x9.5d	C-2R	0.81	20.57	1.5	38.1
922	922B2	T-5	Auto	G	12.8	0.98	12.55	15	200	Wedge, W2.1x9.5d	C-2R	0.81	20.57	1.5	38.1
923		T-5	Auto	G	12.8	0.9	12.5	12.5	500	Wedge, W2.1x9.5d	C-2R	0.81	20.57	1.5	38.1
926		T-5	Emergency Lighting	G	4	1.8	7.2	7.5	50	Wedge, W2.1x9.5d	C-2R	0.81	20.57	1.49	37.85
927		T-5	Emergency Lighting	G	6	1.2	7.2	8	50	Wedge, W2.1x9.5d	C-2R	0.81	20.57	1.49	37.85

(1) Base Pins approximately at right angles to plane of filament.

(17) Dimension: bottom of base contact to the bottom of the collar is .562".

(26) Use a soft cloth when removing the lamp from a socket. Unusual pressure may cause the glass to crack.

Numerical Listing

Note: Not all part numbers are available for purchase, but included for reference only.
Please contact customer service for part number availability at 1-800-257-6054.

Lamps

Lamp Trade No.	Philips Part #	Bulb Family	Primary Application	Vac (V) — Gas (G)	Design Volts	Design Amps	Design Watts	Approx. Candle-Pwr.	Rated Avg. Life, Hours	Base	Filament Type	Light Center Length		Max Overall Length	
												in	mm	in	mm
936		T-2¼	Auto	—	14.4	0.12	1.73	1	2000	Wedge, W2.1x9.5d	C-2V	0.45	11.43	0.9	22.86
939		T-5	Emergency Lighting	G	6	0.9	5.4	5.4	50	Wedge, W2.1x9.5d	C-2R	0.81	20.57	1.49	37.85
957		T-4½	Signal	G	9.84	0.5	4.92	4.6	200	Min. Bay.	C-2R	0.5	12.7	1.38	35.05
960		T-5	Emergency Lighting	—	12	0.25	3	0.5	50	Wedge, W2.1x9.5d	C-2F	0.81	20.57	1.49	37.85
961		T-5	Emergency Lighting	—	6	0.8	4.8	5.5	50	Wedge, W2.1x9.5d	C-2R	0.81	20.57	1.49	37.85
962		T-5	Emergency Lighting	—	6	0.5	3	2.5	50	Wedge, W2.1x9.5d	C-2R	0.81	20.57	1.49	37.85
1000		RP-11	Auto	—	6.2	3.9	24.18	32.00	125	D.C. Bay.	C-2V	1.25	31.75	2.25	57.15
1003	1003B2	B-6	Auto	G	12.8	0.94	12.03	15	200	S.C. Bay.	C-6	1.06	26.92	1.75	44.45
1004	1004B2	B-6	Auto and Marine	G	12.8	0.94	12.03	15	200	D.C. Bay.	C-6	1.06	26.92	1.75	44.45
1005		S-8	Auto	—	12.8	1.31	16.77	21.00	300	D.C. Bay.	C-2R	1.25	31.75	2	50.8
1016		S-8	Auto ⁽¹⁾	G	12.8	1.34	17.15	21.00	300	D.C. Index	C-6	1.25	31.75	3	76.2
1019		G-16½	Searchlight ⁽¹⁾	G	11.75	5.1	60	100	100	S.C. Bay.	C-2V	1.25	31.75	3	76.2
1020		G-16½	Searchlight ⁽¹⁾	G	11.75	5.1	60	100	100	D.C. Bay.	C-2V	1.25	31.75	3	76.2
1021		RP-11	Hand Latern - 4 No. 6 Cells	G	4.5	1.25	5.63	5.7	75	S.C. Pref. ⁽¹⁷⁾	C-6	0.87	22.1	2.25	57.15
1022		RP-11	Auto	—	6.2	4.58	28.4	32	300	D.C. Pref.	C-2V	1.12	28.45	2.25	57.15
1026		RP-11	Auto	—	6.4	2.72	17.41	21	200	D.C. Pref.	C-6	1.12	28.45	2.25	57.15
1034	1034B2	S-8	Auto ⁽¹⁾	G	12.8	1.8	23.04	32	200	D.C. Index	C-6	1.25	31.75	2	50.8
1034A		S-8	Auto, Outside Coated Translucent Amber ⁽¹⁾	G	14.00	0.59	8.26	—	5000	D.C. Index	C-6	1.25	31.75	2	50.8
1034NA		S-8	Auto, Amber (Natural)	G	12.8	1.8	23.04	21	200	D.C. Index	C-6	1.25	31.75	2	50.8
1034NI		S-8	Auto, Amber (Natural)	G	14.00	0.59	8.26	2.2	5000	D.C. Index	C-6	1.25	31.75	1.8	45.72
1044		RP-11	Auto	—	12.8	2.73	34.94	50	240	D.C. Pref.	C-6	1.12	28.45	2.25	57.15
1047		RP-11	Aviation, Two 1.35 amp. Fil. in Mult. Mounted in Same Plane and Spaced Approx. 3mm apart ⁽¹⁾	G	26	2.7	70.2	105	25	S.C. Bay.	2CC-6	1.25	31.75	2.25	57.15
1054		RP-11	Marine ⁽¹⁾	G	32	0.74	23.68	32	100	D.C. Bay.	C-2V	1.25	31.75	2.25	57.15
1061		B-6	Indicator ⁽¹⁾	G	6.7	1.8	12.1	13	400	D.C. Bay.	C-6	1.06	26.92	1.75	44.45
1062		RP-11	Emergency Lighting ⁽²⁶⁾	G	40	0.92	36.8	50	100	D.C. Bay.	C-5	1.25	31.75	2.25	57.15
1073	1073B2	S-8	Auto ⁽¹⁾	G	12.8	1.8	23.04	32	200	S.C. Bay.	C-6	1.25	31.75	2	50.8
1074		RP-11	Auto	—	12.8	2.73	34.94	50	240	D.C. Pref.	C-6	0.88	22.35	2.25	57.15
1076	1076CP	S-8	Auto ⁽¹⁾	G	14.00	0.51	7.14	4	2000	D.C. Pref.	C-2R	1.25	31.75	2	50.8
1078	1078CP	S-8	Auto, Aircraft	G	12.8	1.8	23.04	32	200	D.C. Bay.	C-6	1.25	31.75	2	50.8
1093		S-8	Auto ⁽¹⁾	G	24	.875	21.00	2.8	250	D.C. Bay.	C-6	1.25	31.8	2.06	52.2
1095		S-8	Auto ⁽¹⁾	G	14	0.51	7.14	4	5000	S.C. Bay.	C-6	1.25	31.75	2	50.8
1096		S-8	Instrument, Microscope Illuminator ⁽⁴⁾	G	6	4.5	27	30	500	D.C. Pref.	C-2R	1	25.4	2	50.8
1124		RP-11	Auto	—	12.5	1.92	24	32	300	D.C. Bay.	C-2R	1.25	31.75	2.25	57.15
1129	1129CP	S-8	Auto ⁽¹⁾	G	12.5	1.92	24	32	300	D.C. Bay.	C-2R	1.25	31.75	2	50.8
1130		S-8	Auto ⁽¹⁾	G	6.4	2.63	16.83	21	200	S.C. Bay.	C-6	1.25	31.75	2	50.8
1132IF		S-8	Sewing Machine, Inside Frosted, Brass Contact Soldered to Each Base Eyelet	G	6.4	2.63	16.83	—	200	D.C. Bay.	C-6	—	—	2	50.8
1133		RP-11	Auto ⁽¹⁾	G	6.2	3.91	24.24	32	200	S.C. Bay.	C-2R	1.25	31.75	2.25	57.15
1134		RP-11	Auto ⁽¹⁾	G	6.2	3.91	24.24	32	200	D.C. Bay.	C-2R	1.25	31.75	2.25	57.15
11390F		RP-11	Reading Light	G	12.8	1.04	13.3	15	700	S.C. Bay.	C-2R	—	—	2.25	57.15
1141	1141B2	S-8	Auto ⁽¹⁾	G	12.8	1.44	18.43	21	1000	S.C. Bay.	C-6	1.25	31.75	2	50.8
1141A		S-8	Auto, Outside Coated Translucent Amber ⁽¹⁾	G	12.8	1.44	18.43	—	1000	S.C. Bay.	C-6	—	—	2	50.8
1141IF		S-8	Auto, Inside Frosted	G	12.8	1.44	18.43	—	1000	S.C. Bay.	C-6	—	—	2	50.8
1142	1142CP	S-8	Auto ⁽¹⁾	G	12.8	1.44	18.43	21	1000	D.C. Bay.	C-6	1.25	31.75	2	50.8

(1) Base Pins approximately at right angles to plane of filament.
 (4) Entire bulb selected for minimum glass imperfections.
 (6) Base pins approximately parallel to plane of filament.
 (8) Glass parts only.
 (14) Dimension: bottom of base contact to the bottom of the collar is .406".
 (17) Dimension: bottom of base contact to the bottom of the collar is .562".

Lamps

Note: Not all part numbers are available for purchase, but included for reference only.
Please contact customer service for part number availability at 1-800-257-6054.

Numerical Listing

Lamp Trade No.	Philips Part #	Bulb Family	Primary Application	Vac (V) — Gas (G)	Design Volts	Design Amps	Design Watts	Approx. Candle-Pwr.	Rated Avg. Life, Hours	Base	Filament Type	Light Center Length		Max Overall Length	
												in	mm	in	mm
1143		RP-11	Auto ⁽¹⁾	G	12.5	2	25	32	400	S.C. Bay.	C-2R	1.25	31.75	2.25	57.15
1143K		RP-11	Auto	G	12.5	2	25	32	400	Cand. Sc.	C-2R	1.57	39.88	2.25	57.15
1144		RP-11	Auto ⁽¹⁾	G	12.5	2	25	32	400	D.C. Bay.	C-2R	1.25	31.75	2.25	57.15
1145		RP-11	Auto	—	22	0.96	21.12	27	100	S.C. Bay.	C-2V	1.25	31.75	2.25	57.15
1152		S-8	Special Service ⁽⁴⁾	G	12.8	1.34	17.15	21	500	D.C. Bay.	C-2R	1.25	31.75	2	50.8
1154	1154B2	S-8	Auto ⁽¹⁾	G	6.4 7	2.63 .75	16.83 5.25	21 3	200 1000	D.C. Index	C-6 C-6	1.25	31.75	2	50.8
1155	1155LLB2	G-6	Auto	G	13.5	0.59	7.97	4	5000	S.C. Bay.	2C-2R	0.81	20.57	1.44	36.58
1156	1156B2	S-8	Auto ⁽¹⁾	G	12.8	2.1	26.88	32	1200	S.C. Bay.	C-6	1.25	31.75	2	50.8
1156DC		S-8	School Bus, Swing Out Stop Arm	G	12.8	2.1	26.88	32	1200	D.C. Bay.	C-6	1.25	31.75	2	50.8
1156LL	1156LLB2	S-8	Auto ⁽¹⁾	G	12.8	2.1	26.88	32	2400	S.C. Bay.	C-6	1.25	31.75	2	50.8
1156NA	1156NAB2	S-8	Auto, Amber (Natural) ⁽¹⁾	G	12.8	2.1	26.88	24	1200	S.C. Bay.	C-6	1.25	31.75	2	50.8
1156NI		S-8	Auto	G	12.8	2.1	26.88	32	1200	S.C. Bay.	C-6	1.25	31.75	1.8	45.72
1157	1157B2	S-8	Auto ⁽¹⁾	G	12.8 14	2.1 0.59	26.88 8.26	32 3	1200 5000	D.C. Index	C-6 C-6	1.25	31.75	2	50.8
1157A	1157NAB2	S-8	Auto, Outside Coated Translucent Amber ⁽¹⁾	G	12.8 14	2.1 0.59	26.88 8.26	—	1200 5000	D.C. Index	C-6 C-6	1.25	31.75	2	50.8
1157LL	1157LLB2	S-8	Auto	G	12.8 14	2.1 0.59	26.88 8.26	32 3	2400 10000	D.C. Index	C-6 C-6	1.25	31.75	2	50.8
1157NA	1157NAB2	S-8	Auto, Amber (Natural)	G	12.8 14	2.1 0.59	26.88 8.26	24 2.2	1200 5000	D.C. Index	C-6 C-6	1.25	31.75	2	50.8
1157NI		S-8	Auto	G	12.8 14	2.1 0.59	26.88 8.26	32 3	1200 5000	D.C. Index	C-6 C-6	1.25	31.75	1.8	45.72
1158	1158CP	S-8	Auto ⁽⁶⁾	G	6.4 7	2.63 0.75	16.83 5.25	21 3	200 1000	D.C. Bay.	C-6 C-6	1.25	31.75	2	50.8
1159	1159CP	S-8	Auto ⁽¹⁾	G	12.8	1.6	20.48	21	1500	S.C. Bay.	C-6	1.25	31.75	2	50.8
1168		S-8	Auto	G	12.8	1.43	18.3	21	500	D.C. Pref.	C-6	1.12	28.45	2	50.8
1176	1176CP	S-8	Auto ⁽⁶⁾	G	12.8 14	1.34 0.59	17.15 8.26	21 6	200 1500	D.C. Bay.	C-6 C-6	1.25	31.75	2	50.8
1178		G-6	Auto	G	13.5	0.69	9.32	4	5000	D.C. Bay.	C-2V	0.81	20.57	1.44	36.58
1178 A		G-6	Auto, Outside Coated	G	13.5	0.69	9.32	—	5000	D.C. Bay.	C-2V	—	—	1.44	36.58
1183		RP-11	Auto ⁽¹⁾	G	5.5	6.25	34.98	50	100	S.C. Bay.	C-2V	1.25	31.75	2.25	57.15
1184		RP-11	Auto ⁽¹⁾	G	5.5	6.25	34.98	50	100	D.C. Bay.	C-2V	1.25	31.75	2.25	57.15
1195		RP-11	Auto ⁽¹⁾	G	12.5	3	37.5	50	300	S.C. Bay.	C-2V	1.25	31.75	2.25	57.15
1196		RP-11	Auto ⁽¹⁾	G	12.5	3	37.5	50	300	D.C. Bay.	C-2V	1.25	31.75	2.25	57.15
1203		S-8	Auto ⁽¹⁾	G	28	0.71	19.6	21	400	S.C. Bay.	C-2V	1.25	31.75	2	50.8
1204		S-8	Auto ⁽¹⁾	G	28	0.71	19.6	21	400	D.C. Bay.	C-2V	1.25	31.75	2	50.8
1209		RP-11	Auto	G	6.1	4	23.97	32	125	S.C. Pref. ⁽¹⁷⁾	C-6	0.87	22.1	2.25	57.15
1224		G-6	Marine ⁽¹⁾	V	32	0.16	5.12	3.8	500	D.C. Bay.	C-2F	0.69	17.53	1.44	36.58
1224K		G-6	Indicator	V	32	0.16	5.12	3.8	500	Cand. Sc.	C-2V	0.87	22.1	1.38	35.05
1226		G-8	Marine ⁽¹⁾	V	32	0.21	6.72	6	150	D.C. Bay.	C-2V	0.87	22.1	1.75	44.45
1228		S-8	Marine ⁽⁶⁾	G	32	0.45	14.4	15	250	D.C. Bay.	C-2V	1.13	28.7	2	50.8
1229		S-8	Emergency Lighting	G	40	0.38	15.2	15	400	D.C. Bay.	C-2V	1.12	28.45	2	50.8
1230		RP-11	Marine ⁽¹⁾	G	32	0.55	17.6	21	100	D.C. Bay.	C-2V	1.25	31.75	2.25	57.15
1238		G-16½	Marine ⁽¹⁾	G	32	3.5	112	225	50	D.C. Bay.	CC-6	1.25	31.75	3	76.2
1240		G-16½	Special Service	G	32	3.5	112	225	50	D.C. Pref. ⁽¹⁴⁾	CC-6	1.13	28.7	3	76.2
1247		G-6	Auto, Two Identical Fil. In Series	G	14	0.43	6.02	3	1000	S.C. Bay.	2C-2R	0.75	19.05	1.44	36.58
1251	1251CP	G-6	Auto, Two Identical Supported Fil. In Series	V	28	0.23	6.44	3	2000	S.C. Bay.	2C-2V	0.75	19.05	1.44	36.58
1252		G-6	Auto, Two Identical Supported Fil. In Series	V	28	0.23	6.44	3	2000	D.C. Bay.	2C-2V	0.75	19.05	1.44	36.58
1293		RP-11	Auto ⁽¹⁾	G	12.5	3	37.5	50	300	S.C. Bay.	C-2R	1.25	31.75	2.25	57.15
1295		S-8	Auto	G	12.5	3	37.5	50	300	S.C. Bay.	C-2R	1.25	31.75	2	50.8
1295NA		S-8	Signal	G	12.5	3	37.5	37	200	S.C. Bay.	C-2R	1.25	31.75	2	50.8
1302		T-3¼	Radio	V	6.3	0.04	0.25	0.08	5000	Min. Bay.	C-6	0.75	19.05	1.19	30.23
1308		B-6	Aviation, Spiral Leads	G	28	0.56	15.68	16	2000	S.C. Bay.	CC-8	1.06	26.92	1.75	44.45
1309		B-6	Aviation, Two Identical Fil. in Series	G	28	0.52	14.56	15	300	S.C. Bay.	2C-2R	1.06	26.92	1.75	44.45
1315		G-5	Aviation, Emergence Lighting	G	2.5	1	2.5	1.75	20 ⁽⁷⁾	S.C. Bay.	C-6	0.69	17.53	1.25	31.75
1317		B-6	Aviation, Emergence Lighting	G	6	0.51	3.06	3.4	100 ⁽⁷⁾	S.C. Bay.	C-6	1.12	28.45	1.75	44.45
1321		RP-11	Auto	G	6.2	4	24.8	32	200	S.C. Perf ⁽¹⁷⁾	C-6	0.87	22.1	2.25	57.15
1323		RP-11	Auto	G	6.2	4.1	24.24	32	200	S.C. Perf ⁽¹⁷⁾	C-2V	0.87	22.1	2.25	57.15
1327		RP-11	Auto	G	12.75	2.08	26.52	32	300	S.C. Perf ⁽¹⁷⁾	C-2V	0.87	22.1	2.25	57.15

(1) Base Pins approximately at right angles to plane of filament.

(4) Entire bulb selected for minimum glass imperfections.

(5) Bulb top selected for minimum glass imperfections.

(6) Base pins approximately parallel to plane of filament.

(7) Life tests are conducted using DC voltage.

(14) Dimension: bottom of base contact to the bottom of the collar is .406".

(17) Dimension: bottom of base contact to the bottom of the collar is .562".

(27) Top of bulb is lightly frosted on the outside.

Numerical Listing

Note: Not all part numbers are available for purchase, but included for reference only.
Please contact customer service for part number availability at 1-800-257-6054.

Lamps

Lamp Trade No.	Philips Part #	Bulb Family	Primary Application	Vac (V) — Gas (G)	Design Volts	Design Amps	Design Watts	Approx. Candle-Pwr.	Rated Avg. Life, Hours	Base	Filament Type	Light Center Length		Max Overall Length	
												in	mm	in	mm
1376		S-8	Auto (6)	G	12.8	1.6	20.48	21	1500	D.C. Bay.	C-6	1.25	31.75	2	50.8
			Auto, Reading Light Base-half Silvered and Light Outside Bowl Frosted		14	0.64	8.96	6	2000		C-6				
1383		R-12	Aviation, Reading Light Base-half Silvered and Light Outside Bowl Frosted	G	13	1.5	19.5	—	300	S.C. Bay.	C-8	—	—	2.63	66.8
1385		R-12	Special Service, Telephone, Base Half of Bulb Reflectorized, ½" White Spot on Bulb Top (27)	G	28	0.72	20	—	300	S.C. Bay.	CC-8	—	—	2.63	66.8
1388		R-12	Instrument, Photocell Exciter, Silver Plate Contact (5)	G	24	0.833	20	—	500	D.C. Bay.	CC-8	—	—	2.63	66.8
1408		T-3¼	Instrument, Photocell Exciter, Silver Plate Contact (5)	V	10	0.13	1.3	0.8	250	Min. Bay.	C-2V	0.63	16	1.19	30.23
1414		T-4½	Instrument, Photocell Exciter, Silver Plate Contact (5)	G	14	0.48	6.7	6	500	Min. Bay.	C-2R	0.63	16	1.38	35.05
1416		T-4½	Signal	G	12.8	0.8	10.25	8	1000	Min. Bay.	C-2R	0.63	16	1.38	35.05
1424		S-6	Instrument, Photocell Exciter, Silver Plate Contact (5)	G	3.7	2.75	10.18	11	100	S.C. Bay.	C-6	1.12	28.45	1.81	45.97
1434		T-5	Instrument, Photocell Exciter, Silver Plate Contact (5)	G	3.7	2.75	10.18	11	100	S.C. Bay.	C-6	1.12	28.45	1.75	44.45
1445	1445B2	G-3½	Auto	V	14.4	0.135	1.94	0.7	2000	Min. Bay.	C-2V	0.5	12.7	0.94	23.88
1446		G-3½	Toy	V	12	0.2	2.4	1.7	250	Min. Sc.	C-2R	0.72	18.29	0.94	23.88
1447		G-3½	Toy	V	18	0.15	2.7	1.5	250	Min. Sc.	C-2V	0.72	18.29	0.94	23.88
1448		G-3½	Radio	V	24	0.035	0.84	0.3	3000	Min. Sc.	C-2V	0.72	18.29	0.94	23.88
1449		G-3½	Toy	V	14	0.2	2.8	2	250	Min. Sc.	C-2V	0.72	18.29	0.94	23.88
1450		G-3½	Indicator	V	24	0.035	0.84	0.23	3000	Min. Bay.	C-2V	0.5	12.7	0.94	23.88
1458		G-5	Coin Machine	V	20	0.25	5	4.2	250	Min. Bay.	C-2F	0.63	16	1.19	30.23
1460		S-8	Medical Instrument, Burning Position Base Up to Horiz. (4)	G	6.5	2.75	17.88	23	100	D.C. Pref. (14)	C-6	1.25	31.75	2	50.8
1460X		S-8	Microscope, Silver Contacts	G	6.5	2.75	17.88	23	100	D.C. Pref.	C-6	1.25	31.75	2	50.8
1464		G-5	Coin Machine	V	22	0.25	5.5	4.4	250	Min. Bay.	C-2V	0.63	16	1.19	30.23
1468		S-8	Medical Instrument, Burning Position Base Up to Horiz. (4)	G	6	4.5	27	30	500	D.C. Pref.	C-2R	1.25	31.75	2	50.8
1468X		S-8	Medical Instrument, Burning Position Base Up to Horiz. (4)	G	6	4.5	27	30	500	D.C. Pref.	C-2R	1.25	31.75	2	50.8
1471		G-6	Indicator	V	12	0.26	3.12	2.3	250	Cand. Sc.	C-2V	0.94	23.88	1.38	35.05
1474		T-3	Indicator	V	14	0.17	2.38	1.7	250	Min. Sc.	C-2V	0.81	20.57	1.25	31.75
1477		T-3	Indicator	V	24	0.17	4.08	3.3	250	Min. Sc.	C-2V	0.81	20.57	1.25	31.75
1482		G-4½	Bicycle, Headlamp	G	6	0.45	2.7	2.2	100	Min. Sc.	C-2R	0.81	20.57	1.06	26.92
1483		G-4½	Bicycle, Headlamp	V	6	0.04	0.24	0.1	500	Min. Sc.	C-6	0.81	20.57	1.06	26.92
1487		T-3¼	Coin Machine	V	14	0.2	2.8	1.5	3000	Min. Sc.	C-2V	0.94	23.88	1.19	30.23
1488		T-3¼	Coin Machine	V	14	0.15	2.1	1.5	200	Min. Bay.	C-2V	0.63	16	1.19	30.23
1489		T-5	Instrument, (A. A. tol. 1/64")	G	6.5	2.75	17.88	24	125	S.C. Bay.	C-6	1.12	28.45	1.75	44.45
1490		T-3¼	Radio	V	3.2	0.16	0.51	0.2	3000	Min. Bay.	C-2R	0.71	18.03	1.19	30.23
1492		S-8	Instrument	—	2.5	1.5	3.75	—	15	D.C. Bay.	S-2	0.94	23.88	2	50.8
1493		S-8	Instrument, Microscope Illuminator (5)(6)	G	6.5	2.75	17.88	23	100	D.C. Bay.	C-6	1.13	28.7	2	50.8
1495		T-4½	Aviation	V	28	0.3	8.4	6	500	Min. Bay.	C-2F	0.63	16	1.38	35.05
1495X		T-4½	Aviation, Gas Filled	G	28	0.3	8.4	6	500	Min. Bay.	C-2F	0.62	15.75	1.38	35.05
1501		RP-11	Auto	G	5.9	6.36	37.52	50	200	S.C. Pref. (17)	C-6	0.87	22.1	2.25	57.15
1503		RP-11	Auto and Aviation	G	5.9	6.53	38.53	50	200	S.C. Pref. (17)	C-2V	0.87	22.1	2.25	57.15
1507		RP-11	Auto	—	12.5	3	37.5	50	300	S.C. Pref. (17)	C-2V	0.88	22.35	2.25	57.15
1509		RP-11	Instrument, Burn Base Down to Horiz.	G	12.8	3.2	40.96	70	100	S.C. Pref.	C-2V	0.87	22.1	2.25	57.15
1533X		G-3½	Special	V	2.9	0.15	0.44	—	100	Min. Bay.	C-2R	0.72	18.29	0.94	23.88
1534		S-6	Aviation	G	5	.55	2.75	2	50	D.C. Index	C-6	1.12	28.45	1.82	46.23
					28	.34	9.52	6	1000		C-6				
1561		S-11	Instrument, Colorimeter (4)	G	6.3	4	25.2	24	1500	S.C. Pref.	C-8Z	0.88	22.35	2.38	60.45
1563		S-8	Military Headlamp, Blackout	G	28	0.76	21.28	21	1000	S.C. Bay.	CC-6	1.12	28.45	2	50.8
1565		S-8	Instrument, Photoelectric Scanner (7)	G	5.1	1.75	8.93	4.8	5000	S.C. Pref.	C-81	1	25.4	2	50.8
1591		S-8	Auto	G	28	0.61	17.08	15	1000	S.C. Bay.	C-2V	1.12	28.45	2	50.8
1591AF		S-8	Aviation, All Frosted	G	28	0.61	17.08	—	1000	S.C. Bay.	C-2V	—	—	2	50.8
1594		S-8	Instrument, Microscope Base Down to Horiz. (4)	G	6	5	30	36	250	D.C. Bay.	C-6	1.25	31.75	2	50.8
1605		S-8	Instrument	—	6.4	2.69	17.22	21	200	S.C. Bay.	C-2V	1.25	31.75	2	50.8
1612		S-8	Instrument (LCL & Actual Alignment tolerance +3/64" (4))	G	5.4	1.86	10.04	10	1000	D.C.	C-6	1.25	31.75	2	50.8

(1) Base Pins approximately at right angles to plane of filament.

(4) Entire bulb selected for minimum glass imperfections.

(5) Bulb top selected for minimum glass imperfections.

(6) Base pins approximately parallel to plane of filament.

(7) Life tests are conducted using DC voltage.

(14) Dimension: bottom of base contact to the bottom of the collar is .406".

(17) Dimension: bottom of base contact to the bottom of the collar is .562".

(20) Filament wiring reverse to 1157.

Lamps

Note: Not all part numbers are available for purchase, but included for reference only.
Please contact customer service for part number availability at 1-800-257-6054.

Numerical Listing

Lamp Trade No.	Philips Part #	Bulb Family	Primary Application	Vac (V) — Gas (G)	Design Volts	Design Amps	Design Watts	Approx. Candle-Pwr.	Rated Avg. Life, Hours	Base	Filament Type	Light Center Length		Max Overall Length	
												in	mm	in	mm
1619		S-8	Instrument ⁽⁵⁾⁽⁶⁾	G	6.7	1.9	12.63	15	500	S.C. Bay.	C-6	1.13	28.7	2	50.8
1630		S-8	Instrument, Microscope Illuminator ⁽⁵⁾	G	6.5	2.75	17.88	23	100	D.C. Pref. ⁽¹⁴⁾	C-6	1	25.4	2	50.8
1630X		S-8	Microscope Illuminator, Selected Bulb Top, High Temperature Collar Solder, Nickel Plated Base	G	6.5	2.75	17.88	23	100	D.C. Pref. ⁽¹⁴⁾	C-6	1	25.4	2	50.8
1631X		S-8	Instrument, Colorimeter, Silver Plated Brass Contact Soldered to Each Brass Eyelet, Selected Bulb Top, High Temp. Collar Solder, Nickel Plated Base	G	6.5	2.75	17.88	23	100	D.C. Pref. ⁽¹⁴⁾	C-6	1	25.4	2	50.8
1634		S-8	Instrument, Microscope Illuminator Burn Base Up to Horiz. ⁽⁴⁾	G	20	1	20	24	200	D.C. Pref.	CC-6	1.25	31.75	2	50.8
1638		S-8	Marine, Two Identical Fil. in Series	G	28	1.02	28.56	32	500	D.C. Bay.	2C-6	1.25	31.75	2	50.8
1648		S-8	Indicator, Brass Contact Soldered to Each Base Eyelet ⁽⁶⁾	G	8	2.1	16.8	21	200	D.C. Bay.	C-2R	1.25	31.75	2	50.8
1649		S-8	Instrument, Microscope Illuminator Rect. Shaped Fil. ⁽⁴⁾	G	6.5	2.75	17.88	23	100	D.C. Pref.	FC-6Z	1.25	31.75	2	50.8
1651		S-8	Hand Lantern - 4 F Cells or 8 F Cells in Series Parallel ⁽¹⁾	G	5	0.6	3	3	20	S.C. Bay.	C-2R	1.13	28.7	2	50.8
1651IF		S-8	Hand Lantern - 4 F Cells or 8 F Cells in Series Parallel, Inside Frosted ⁽¹⁾	G	5	0.6	3	—	20	S.C. Bay.	C-6	1.13	28.7	2	50.8
1662	1662CP	S-8	Construction Equipment ⁽¹⁾⁽²⁰⁾	G	28 28	.93 .34	26 9.5	32 6	400 1000	D.C. Index	CC-6 C-2V	1.25	31.75	2	50.8
1665		S-8	Aviation	G	28	0.8	22.4	21	1000	S.C. Bay.	C-2V	1.13	28.7	2	50.8
1665AF		S-8	Aviation, All Frosted	G	28	0.8	22.4	—	1000	S.C. Bay.	C-2V	—	—	2	50.8
1665IF		S-8	Aviation, Inside Frosted	G	28	0.8	22.4	—	1000	S.C. Bay.	C-2V	—	—	2	50.8
1666		S-8	Aviation, Both Fil. Offset ⁽¹⁾	G	28	0.63	17.64	21	300	D.C. Bay.	CC-6	1.25	31.75	2	50.8
1676		S-8	Indicator, Subway Door	V	45.5	0.22	10	7.6	1000	D.C. Bay.	C-13	1.13	28.7	2	50.8
1680		S-8	Aviation	G	6	4.1	24.6	32	300	S.C. Bay.	C-6	1.25	31.75	2	50.8
1680X		S-8	Aviation, Solid Silver Contact	G	6	4.1	24.6	32	300	S.C. Bay.	C-6	1.25	31.75	2	50.8
1683	1683CP	S-8	Auto and Aviation, Two Identical Fil. in Series, Base Down to Horiz. ⁽¹⁾	G	28	1.02	28.56	32	500	S.C. Bay.	2C-2R	1.25	31.75	2	50.8
1691		S-8	Auto, Two Identical Fil. in Series ⁽¹⁾	G	28	0.61	17.08	15	1000	S.C. Bay.	2C-2R	1.13	28.7	2	50.8
1691AF		S-8	Aviation, All Frosted, Two Identical Fil. in Series	G	28	0.61	17.08	15	1000	S.C. Bay.	2C-6	—	—	2	50.8
1691IF		S-8	Aviation, Inside Frosted, Two Identical Fil. in Series	G	28	0.61	17.08	—	1000	S.C. Bay.	2C-2R	—	—	2	50.8
1692		S-8	Marine, Two Identical Fil. in Series ⁽¹⁾	G	28	0.61	17.08	15	1000	D.C. Bay.	2C-2R	1.13	28.7	2	50.8
1696		S-8	Marine ⁽¹⁾	G	28	0.42	11.7	10	500	D.C. Bay.	C-2V	1.25	31.75	2	50.8
1723		S-11	Aviation	G	6.2	4.5	27.9	32	400	S.C. Bay.	C-6	1.25	31.75	2.38	60.45
1724		S-11	Indicator, Base Down to Horiz. ⁽¹⁾	G	6.2	4.5	27.9	32	400	D.C. Bay.	C-6	1.25	31.75	2.38	60.45
1731		S-11	Instrument, Silver Contact, Burn Base Down to Horiz. ⁽⁴⁾	G	6.3	6.6	41.58	47	1000	S.C. Pref.	C-6	0.88	22.35	2.38	60.45
1748		T-1¼	Instrument	—	2.5	0.4	1	—	3000	Wire Term.	C-2R	—	—	0.75	19.05
1748S		T-1¼	Instrument	—	2.5	0.4	1	—	3000	Wire Term.	C-2R	—	—	0.75	19.05
EN1748		T-1¼	Instrument	—	2.5	0.4	1	—	3000	Wire Term.	C-2R	—	—	0.94	23.88
EN1748S		T-1¼	Instrument	—	2.5	0.4	1	—	3000	Wire Term.	C-2R	—	—	0.94	23.88
1763		S-11	Instrument, Colorimeter ⁽⁴⁾	G	6.1	4.1	25.01	32	125	S.C. Pref.	C-6	0.88	22.35	2.38	60.45
1777		S-8	Aviation, Tail Light	G	12.8	1.52	19.46	26	400	S.C. Bay.	C-2R	1.12	28.45	2	50.8
1809		T-3¼	Special Service	—	2	0.06	0.12	0.02	1000	Min. Bay.	C-6	0.75	19.05	1.18	29.97
1810		T-3¼	Special Service	V	6.3	0.4	2.52	1.4	3000	Min. Bay.	C-2R	0.72	18.29	1.13	28.7
1813		T-3¼	Radio	V	14.4	0.1	1.44	0.86	1000	Min. Bay.	C-2V	0.63	16	1.19	30.23
1815		T-3¼	Indicator	V	14	0.2	2.8	1.4	3000	Min. Bay.	C-2V	0.71	18.03	1.19	30.23
1816	1816B2	T-3¼	Aviation and Auto	V	13	0.33	4.29	3	1000	Min. Bay.	C-2V	0.63	16	1.19	30.23
1818		T-3¼	Aviation	V	24	0.17	4.08	3.3	250	Min. Bay.	C-2V	0.63	16	1.19	30.23

(1) Base Pins approximately at right angles to plane of filament.
(4) Entire bulb selected for minimum glass imperfections.
(7) Life tests are conducted using DC voltage.

Numerical Listing

Note: Not all part numbers are available for purchase, but included for reference only.
Please contact customer service for part number availability at 1-800-257-6054.

Lamps

Lamp Trade No.	Philips Part #	Bulb Family	Primary Application	Vac (V) — Gas (G)	Design Volts	Design Amps	Design Watts	Approx. Candle-Pwr.	Rated Avg. Life, Hours	Base	Filament Type	Light Center Length		Max Overall Length	
												in	mm	in	mm
1819	1819CP	T-3/4	Aviation and Indicator	V	28	0.04	1.12	0.34	2500	Min. Bay.	C-2F	0.63	16	1.19	30.23
1820	1820CP	T-3/4	Aviation	V	28	0.1	2.8	1.6	1000	Min. Bay.	C-2F	0.63	16	1.19	30.23
1821		T-3/4	Indicator	V	28	0.17	4.76	3.4	500	Min. Sc.	C-2F	0.81	20.57	1.19	30.23
1822		T-3/4	Indicator	V	36	0.1	3.6	2.1	1000	Min. Bay.	C-2F	0.63	16	1.19	30.23
1826		T-3/4	Coin Machine	V	18	0.15	2.7	1.8	250	Min. Bay.	C-2V	0.63	16	1.19	30.23
1828		T-3/4	Indicator	V	37.5	0.05	1.88	0.65	3000	Min. Bay.	C-2F	0.63	16	1.19	30.23
1829	1829CP	T-3/4	Coin Machine and Indicator	V	28	0.07	1.96	1	1000	Min. Bay.	C-2F	0.63	16	1.19	30.23
1831		T-3/4	Auto, 168 With Pinch Seal and Wire Leads	V	14	0.35	4.9	3	1500	Wire Term.	C-2F	—	—	1.25	31.75
1832		T-3/4	Indicator	V	37.5	0.05	1.88	0.65	3000	Min. Sc.	C-2F	0.81	20.57	1.19	30.23
1835		T-3/4	Indicator	V	55	0.05	2.75	1.1	5000	Min. Bay.	C-5	0.63	16	1.19	30.23
1841		T-4	Indicator	V	24	0.17	4.08	3.3	250	Cand. Sc.	C-2V	0.94	23.88	1.5	38.1
1843		T-3/4	Indicator	V	28	0.022	0.62	0.2	3000	Min. Bay.	C-2F	0.62	15.75	1.19	30.23
1847		T-3/4	Radio, TV and Indicator	V	6.3	0.15	0.95	0.38	5000	Min. Bay.	C-2R	0.71	18.03	1.19	30.23
1850	1850CP	T-3/4	Signal	V	5	0.09	0.45	0.25	1500	Min. Bay.	C-2R	0.63	16	1.19	30.23
1850W		T-3/4	Signal, Random Base Pin Orientation	V	5	0.09	0.45	0.25	1500 ⁽⁷⁾	Min. Bay.	C-2R	0.62	15.75	1.19	30.23
1851		T-3/4	Signal	V	5	0.11	0.55	0.4	75	Min. Bay.	C-2R	0.63	16	1.19	30.23
1855		T-4 1/2	Radio and TV	G	6.3	0.8	5.04	3.6	3000	Min. Bay.	C-2R	0.72	18.29	1.38	35.05
1864	1864CP	T-3/4	Aviation	V	28	0.17	4.76	3	1500	Min. Bay.	C-2F	0.63	16	1.19	30.23
1866		T-3/4	Radio, TV and Indicator	V	6.3	0.25	1.58	0.65	5000	Min. Bay.	C-2R	0.71	18.03	1.19	30.23
1873		T-3/4	Aviation	V	28	0.2	5.6	3	7000	Min. Bay.	C-2F	0.62	15.75	1.19	30.23
1874		T-5	Instrument	G	3.7	2.75	10.18	11	100	S.C. Bay.	C-6	1.12	28.45	1.75	44.45
1876		T-5	Special Service, Photoelectric Scanner, Silver Plated Contact (A.A. tol. 1/64")	G	3.5	2.5	8.75	6.5	2000	S.C. Bay.	C-6	1.12	28.45	1.75	44.45
1876X		T-5	Special Service, Photoelectric Scanner, Silver Plated Contact (A.A. tol. 1/32")	G	3.5	2.5	8.75	6.5	2000	S.C. Bay.	C-6	1.12	28.45	1.75	44.45
1883U		T-3/4	Side Marker	V	14	0.33	4.62	2	7500	Wire Term.	C-2F	0.56	14.22	1.25	31.75
1888		T-3/4	Auto	V	7	0.5	3.5	2.2	3000	Min. Bay.	C-2R	0.56	14.22	1.19	30.23
1889	1889CP	T-3/4	Auto	V	14	0.27	3.78	2	2000	Min. Bay.	C-2F	0.56	14.22	1.19	30.23
1891	1891B2	T-3/4	Auto Radio and Indicator	V	14	0.24	3.36	2	500	Min. Bay.	C-2F	0.56	14.22	1.19	30.23
1892	1892CP	T-3/4	Auto Radio	V	14.4	0.12	1.73	0.75	1000	Min. Bay.	C-2F	0.63	16	1.19	30.23
1893	1893B2	T-3/4	Radio	V	14	0.33	4.62	2	7500	Min. Bay.	C-2F	0.63	16	1.19	30.23
1895	1895B2	G-4 1/2	Auto	V	14	0.27	3.78	2	3500	Min. Bay.	C-2F	0.56	14.22	1.06	26.92
1895A		G-4 1/2	Auto, Outside Coated Translucent Amber	V	14	0.27	3.78	—	3500	Min. Bay.	C-2F	—	—	1.06	26.92
1895G		G-4 1/2	Auto, Outside Coated Translucent Green	V	14	0.27	3.78	—	3500	Min. Bay.	C-2F	—	—	1.06	26.92
1895R		G-4 1/2	Auto, Outside Coated Translucent Red	V	14	0.27	3.78	—	3500	Min. Bay.	C-2F	—	—	1.06	26.92
1896		T-4 1/2	Auto	V	7	0.5	3.5	2.2	3000	Min. Bay.	C-2R	0.56	14.22	1.06	26.92
1898		T-3/4	Auto Radio	V	14	0.24	3.36	2	7500	Min. Bay.	2C-2R	0.63	16	1.19	30.23
1906		T-3/4	Signal	V	5	0.07	0.35	0.19	1000	Min. Bay.	C-6	0.63	16	1.19	30.23
1939X		T-7	Aviation, Marker ⁽¹⁸⁾	G	28	1.79	50.12	70	300	S.C. Bay.	C-2V	1.25	31.75	2.16	54.86
1940		T-7	Aviation ⁽¹⁸⁾	G	14	3.57	49.98	75	300	S.C. Bay.	C-8Z	1.25	31.75	2.16	54.86
1944		T-7	Special Service, Silver Contact	G	14	3.57	49.98	75	300	S.C. Bay.	C-8Z	1.25	31.75	2.25	57.15
1946		T-3	Aviation, Halogen	G	28	8.929	250	660	50	Wire Term.	CC-6	0.87	22.1	1.46	37.08
1956		T-3	Aviation, Halogen	G	28	7.143	200	525	50	Wire Term.	CC-6	0.87	22.1	1.46	37.08
1958		T-4	Aviation, Halogen	G	28	5.357	150	250	300	Tab	CC-8	0.75	19.05	2.25	57.15
1959		T-4	Aviation, Halogen	G	28	5.357	150	240	300	Tab	CC-8	0.75	19.05	2.25	57.15
1962B		T-3	Special Service, Halogen, 9" Insulated Leads Horiz.	G	8.5	7.294	62	110	50	Wire Term.	C-6	0.28	7.11	1.14	28.96
1962BG		T-3	Aviation, Halogen	G	8.5	7.294	62	110	50	Wire Term.	C-6	0.28	7.11	—	—
1962DX		T-3	Special Service, Halogen, 4" Bare Leads Down	G	8.5	7.294	62	80	150	Wire Term.	C-6	0.29	7.37	1.14	28.96
1962DZ		T-3	Special Service, Halogen, 12" Insulated Leads Down	G	8.5	7.294	62	80	150	Wire Term.	C-6	0.28	7.11	1.2	30.48
1962TY		T-3	Medical, Halogen, 7 3/4" Leads Horiz.	G	8.5	7.294	62	110	50	Wire Term.	C-6	0.29	7.37	—	—
1967		T-3	Aviation, Halogen	G	28	5.357	150	210	1000	Special Sleeve	CC-8	—	—	2.25	57.15
1968		T-3	Aviation, Halogen, Gunsight	G	28	0.893	25	15	500	Dbl. Slide	C-2V	0.41	10.41	1.17	29.72
1970		T-3	Aviation, Halogen	G	28	3.571	100	150	1000	Special Sleeve	CC-8	—	—	2.25	57.15
1970X		T-3	Aviation, Halogen	—	28	3.571	100	140	1000 ⁽¹⁵⁾	Special Sleeve	CC-8	—	—	2.25	57.15

(1) Base Pins approximately at right angles to plane of filament.
 (3) At 14.0 volts.
 (15) Based on limited test information.
 (18) Burning position - base up or base down only.

Lamps

Note: Not all part numbers are available for purchase, but included for reference only.
Please contact customer service for part number availability at 1-800-257-6054.

Numerical Listing

Lamp Trade No.	Philips Part #	Bulb Family	Primary Application	Vac (V) — Gas (G)	Design Volts	Design Amps	Design Watts	Approx. Candle-Pwr.	Rated Avg. Life, Hours	Base	Filament Type	Light Center Length		Max Overall Length	
												in	mm	in	mm
1974		T-3	Instrument, Halogen, 3" Bare Leads Horiz.	G	6	3.333	20	10	10000	Wire Term.	C-6	—	—	1.14	28.96
1976		T-3	Aviation, Halogen	G	13	5.769	75	115	400	Dbt. Slide	C-6	0.56	14.22	1.3	33.02
1977		T-3	Special Service, Halogen	G	8.5	7.294	62	110	50	Dbt. Slide	C-6	0.44	11.18	1.14	28.96
1978X		T-3	Aviation, Halogen, Navigation	G	10	10	100	130	2000	Special	C-8	—	—	2.15	54.61
1982		T-3	Aviation, Halogen, Navigation	G	28	2.679	75	110	1000	S.C. Bay.	CC-8	1.06	26.92	1.88	47.75
1982SP		T-3	Aviation, Halogen	G	28	2.679	75	107	2000	S.C. Bay.	CC-6	1	25.4	1.97	50.04
1983		T-4	Aviation, Halogen	G	10	10	100	130	2000	Bi-Pin	C-8	1.25	31.75	1.8	45.72
1986		T-4	Aviation, Halogen	G	28	8.929	250	600	100	Special	CC-6	1.03	26.16	2	50.8
1987		T-4	Aviation, Halogen	G	28	5.357	150	240	700	D.C. Bay.	CC-6	1.18	29.97	2.44	61.98
1988		T-3	Aviation, Halogen, Gunsight	G	10	10	100	130	2000	Special	C-8	—	—	2.15	54.61
1990		T-2½		—	12	1	12	20	150	Wedge, W2.1x9.5d	CC-6	0.39	9.91	0.81	20.57
1991		T-3¼		—	14	1.8	25	40	200	Wedge, W2.1x9.5d	CC-6	0.5	12.7	1	25.4
1992		T-3¼		—	14	2.5	35	64	150	Wedge, W2.1x9.5d	CC-6	0.5	12.7	1	25.4
1994		T-3¼		—	14	3.6	50	95	150	Wedge, W2.1x9.5d	CC-6	0.5	12.7	1	25.4
1995		T-2½		—	6	2	12	20	150	Wedge, W2.1x9.5d	C-6	0.39	9.91	0.81	20.57
1996		T-2½		—	6	1.167	7	14	30	Wedge, W2.1x9.5d	C-6	0.39	9.91	0.81	20.57
1997		T-2½		—	6	1.667	10	17	50	Wedge, W2.1x9.5d	C-6	0.39	9.91	0.81	20.57
2003		T-2½		—	6	1	6	8	200	G4 Bi-Pin	C-6	0.77	19.56	1.18	29.97
2004		T-2½		—	6	2	12	20	150	G4 Bi-Pin	C-6	0.77	19.56	1.18	29.97
2005		T-2½		—	12	1	12	24	30	G4 Bi-Pin	CC-6	0.77	19.56	1.18	29.97
2008		T-2½		—	6	1.667	10	17	50	G4 Bi-Pin	C-6	0.77	19.56	1.18	29.97
2009		T-2½		—	6	1.167	7	14	30	G4 Bi-Pin	C-6	0.77	19.56	1.18	29.97
2011		T-2½		—	12	1	12	20	150	G4 Bi-Pin	CC-6	0.77	19.56	1.18	29.97
2014		T-3¼		—	14	2.5	35	64	150	G4 Bi-Pin	CC-6	0.85	21.59	1.2	30.48
2017		J-3¼		—	14	3.571	50	95	150	G4 Bi-Pin	CC-6	0.85	21.59	1.2	30.48
2020		T-3¼		—	14	4.643	65	120	200	G4 Bi-Pin	CC-6	0.85	21.59	1.2	30.48
2031		S-8	Auto	G	12.8	1.14	14.59	21	500	Wire Term.	C-6	—	—	1.75	44.45
2033		T-2½	Auto, Halogen	G	13.5	0.22	3	2.5	2000	P.C. Socket	CC-6	0.4	10.16	1.12	28.45
2040	2040LLB1	T-2½	Auto	G	12.8	0.625	8	10.5	150 ⁽³⁾	Wedge, W2.1x9.5d	C-6	0.4	10.16	1.26	32
2047		T-2½		—	4	1	4	4.25	400	G4 Bi-Pin	C-6	0.77	19.56	1.18	29.97
2057	2057B2	S-8	Auto ⁽¹⁾	G	12.8	2.1	26.88	32	1200	D.C. Index	C-6	1.25	31.75	2	50.8
2057LL	2057LLB2	S-8	Auto ⁽¹⁾	G	12.8	2.1	26.88	32	2400	D.C. Index	C-6	1.25	31.75	2	50.8
2057NA	2057NAB2	S-8	Auto ⁽¹⁾	G	12.8	2.1	26.88	24	1200	D.C. Index	C-6	1.25	31.75	2	50.8
2058U		S-8	Auto	G	12.8	2.1	26.88	32	1200	Wire Term.	C-6	—	—	1.81	45.97
2074		T-3	Instrument, Halogen	G	7	3.571	25	24	2700	Wire Term.	C-6	0.28	7.11	1.14	28.96
2080		T-2½		—	12	1	12	24	30	Wedge, W2.1x9.5d	CC-6	0.39	9.91	0.81	20.57
2099		T-3¼		—	12.8	1.156	14.8	20	500	Wedge, W2.1x9.5d	CC-6	0.5	12.7	1	25.4
2112		T-1¼	Indicator	—	6.3	0.2	1.26	0.5	3000	Wire Term.	C-2R	—	—	0.52	13.21
2112D		T-1¼	Indicator, Approx. 5/8" Leads	V	6.3	0.2	1.26	0.55	10000 ⁽²⁾	Wire Term. ⁽³²⁾	C-2R	—	—	0.52	13.21
2121D		TL-3	Flashlight, Approx. 5/8" leads, Down Position	V	2.25	0.25	0.56	—	5 ⁽⁷⁾	Wire Term. ⁽³²⁾	C-2R	—	—	0.82	20.83
2144		S-8	Auto	G	12.8	2.1	26.88	32	600	Wire Term.	C-6	—	—	1.75	44.45
2155		S-8	Auto	G	28	.93	26.04	32	400	Wire Term.	CC-6	—	—	1.75	44.45
2162		T-1¼	Indicator	—	14	0.1	1.4	0.5	10000	Wire Term.	C-2F	—	—	0.52	13.21
2173		T-3¼	Indicator	—	14	0.27	3.78	1.5	5000	Wire Term.	C-2F	—	—	1.06	26.92
2175X		G-3½	Indicator	V	6.3	0.25	1.58	0.56	10000	Wire Term.	C-2V	—	—	0.91	23.11
2181		T-1¼	Indicator	—	6.3	0.2	1.26	0.4	20000	Wire Term.	C-2F	—	—	0.52	13.21
2182		T-1¼	Auto, Instrument	—	14	0.08	1.12	0.3	40000	Wire Term.	C-2F	—	—	—	—
2185		T-1¼		—	28	0.04	1.12	0.15	10000	Wire Term.	C-2F	—	—	0.52	13.21
2187		T-1¼		—	28	0.04	1.12	0.3	7000	Wire Term.	C-2F	—	—	0.52	13.21
2232		S-8	Aviation, Spiral Leads	G	28	0.64	18	18	2000	S.C. Bay.	CC-8	1.19	30.23	2	50.8
2232SB		S-8	Aviation, Spiral Lead, Top of Bulb Reflectorized	G	28	0.643	18	—	2000	S.C. Bay.	CC-8	1.19	30.23	2	50.8
2233		S-8	Aviation	G	28	0.76	21.28	21	2000	S.C. Bay.	CC-8	1.19	30.23	2	50.8

(1) Base Pins approximately at right angles to plane of filament.

(2) Life shown is AC voltage. DC life is estimated to be half of AC life.

(7) Life tests are conducted using DC voltage.

(14) Dimension: bottom of base contact to the bottom of the collar is .406".

(32) This butt seal lamp is considered fragile. Use extreme care when bending or soldering the wire terminal.

Numerical Listing

Note: Not all part numbers are available for purchase, but included for reference only.
Please contact customer service for part number availability at 1-800-257-6054.

Lamps

Lamp Trade No.	Philips Part #	Bulb Family	Primary Application	Vac (V) — Gas (G)	Design Volts	Design Amps	Design Watts	Approx. Candle-Pwr.	Rated Avg. Life, Hours	Base	Filament Type	Light Center Length		Max Overall Length		
												in	mm	in	mm	
2242		S-8	Auto 1" Leads	G	12.8											
2286		T-3/4	Auto	—	14	0.35	4.9	2.7	1500	Wire Term.	C-2F	—	—	1.06	26.92	
2286D		T-3/4	Auto	V	14	0.35	4.9	2.7	1500	Wire Term.	C-2F	—	—	1.05	26.67	
2309		T-1 1/4	Special Service	—	10	0.04	0.4	0.1	5000	Wire Term.	C-2V	—	—	0.6	15.24	
2329		T-1 1/4	Special Service	—	28	0.05	1.4	0.34	2500	Wire Term.	C-2F	—	—	0.6	15.24	
2330		RP-11	Auto, One Fil. Offset	G	6.2 6.2	4.13 4.13	25.6 25.6	32 32	200 200	D.C. Pref. (14)	C-2V C-2V	1.13	28.7	2.25	57.15	
2331		RP-11	Instrument	G	5.9 6.2	4.66 4.49	27.49 27.84	32 32	400 400	D.C. Pref.	C-6 C-6	1.18	29.97	2.25	57.15	
2357	2357B2	S-8	Auto (1)	G	12.8 14	2.23 .59	28.54 8.26	40 3	400 5000	D.C. Index	C-6 C-6	1.25	31.75	2	50.8	
2357NA	2357NAB2	S-8	Auto, Amber (Natural) (1)	G	12.8 4	2.23 0.59	28.54 8.26	30 2.2	400 5000	D.C. Index	C-6 C-6	1.25	31.75	2	50.8	
2396		S-8	Auto	G	12.8	2.23	28.54	40	400	S.C. Bay.	C-6	1.25	31.75	2	50.8	
2397	2397LLB2	S-8	Auto	G	12.8 14	2.23 .48	28.54 6.72	40 2	400 5000	D.C. Index	C-6 C-6	1.25	31.75	2	50.8	
2556		T-3	Aviation, Halogen	G	28	7.143	200	525	50	Bi-Pin	CC-6	0.87	22.1	1.46	37.08	
2577		S-6	Pin Spotter	G	3.5	2.5	8.75	6.5	2500	S.C. Bay.	C-6	1.12	28.45	1.75	44.45	
2586		T-4	Aviation, Halogen	G	8	31.25	250	600	100	Wire Term.	CC-6	1.3	33.02	1.9	48.26	
2604X		TL-2 3/4	Instrument, Halogen, Lens End	G	5	2	10	—	5000	G4 Bi-Pin	C-6	—	—	1.18	29.97	
2643	2643CP	G-6		V	24	0.42	10	—	200	BA15s		—	—	1.4	37.5	
3011		S-11	Aviation	G	28	1.29	36.12	44	1000	S.C. Bay.	C-2V	1.25	31.75	2.38	60.45	
3015		S-8		—	5.5 5.5	2.1 0.86	11.55 4.73	14 3.6	75 200	D.C. Bay.	C-8Z C-12	1.25	31.75	1.8	45	
DE3021	DE3021LLB2	T-2 3/4	Auto	G	12	0.25	3	2	300	Dbl. Fest. Cap	C-8	—	—	1.16	30	
DE3022	DE3022LLB2	T-2 3/4	Auto	G	12	0.42	5	3	300	Dbl. Fest. Cap	C-8	—	—	1.16	30	
3047K	3047LLB2	S-8	Auto	G	12.8 14	1.59 .48	20.00 6.72	21.00 2.00	2000 10000	D.C. Pl. Wedge	C-6 C-6	—	—	2.09	53.1	
3057	3057B2	S-8	Auto, Replaces 2358 & 2457	G	12.8 14	2.1 .48	26.88 6.72	32 2	1200 5000	D.C. Pl. Wedge	C-6 C-6	1.13	28.7	2.13	54.1	
3057K	3057LLB2	S-8		G	12.8 14	2.1 .48	26.88 6.72	32 2	2000 10000	D.C. Pl. Wedge	C-6 C-6	1.1	27.94	1.7	43.18	
3057NA	3057NAB2	S-8	Auto, Replaces 2358NA & 2457NA	G	12.8 14	2.1 .48	26.88 6.72	24 1.5	1200 5000	D.C. Pl. Wedge	C-6 C-6	1.13	28.7	2.13	54.1	
3057NA/K	3057NALLB2	S-8		G	12.8 14	2.1 .59	26.88 8.26	24 1.5	2000 10000	D.C. Pl. Wedge	C-6 C-6	1.1	27.94	1.7	43.18	
3155	3155B2	S-8	Auto, Replaces 2355 & 2455	G	12.8	1.6	20.5	21	1500	S.C. Pl. Wedge	C-6	1.13	28.7	2.13	54.1	
3156	3156B2	S-8	Auto, Replaces 2356 & 2456	G	12.8	2.1	26.88	32	1200	S.C. Pl. Wedge	C-6	1.13	28.7	2.13	54.1	
3156K	3156LLB2	S-8		G	12.8	2.1	26.88	2000	2000	S.C. Pl. Wedge	C-6	1.1	27.94	1.7	43.18	
3156NA	3156NAB2	S-8	Auto, Amber (Natural)	G	12.8	2.1	26.88	24	1200	S.C. Pl. Wedge	C-6	1.1	27.94	2.12	53.85	
3157	3157B2	S-8	Auto, Replaces 2359 & 2458	G	12.8 14	2.1 .59	26.88 8.26	32 3	1200 5000	D.C. Pl. Wedge	C-6 C-6	1.1	28.7	2.13	54.1	
3157K	3157LLB2	S-8		G	12.8 14	2.1 .59	26.88 8.26	32 3	2000 10000	D.C. Pl. Wedge	C-6 C-6	1.1	27.94	1.7	43.18	
3157NA	3157NAB2	S-8	Auto, Replaces 2359NA & 2458NA	G	12.8 14	2.1 .59	26.88 8.26	24 2.2	1200 5000	D.C. Pl. Wedge	C-6 C-6	1.13	28.7	2.13	54.18	
3157NA/K	3157NALLB2	S-8		G	12.8 14	2.1 .59	26.88 8.26	24 2.2	2000 10000	D.C. Pl. Wedge	C-6 C-6	1.1	27.94	1.7	43.18	
DE3175	DE3175B2	T-3/4	Auto	G	12	0.833	10	9.2	300	Dbl. Fest. Cap	C-8	—	—	1.16	30	
3357	3357LLB2	S-8	Auto	G	12.8 14	2.23 .59	28.54 8.26	40 3	400 5000	D.C. Pl. Wedge	C-6 C-6	1.1	27.94	2.09	53.09	
3357K	3357LLB2	S-8		G	12.8 14	2.23 .59	28.54 8.26	40 3	800 10000	D.C. Pl. Wedge	C-6 C-6	1.1	27.94	1.7	43.18	
3357NA	3357NALLB2	S-8	Auto, Amber (Natural)	G	12.8 14	2.23 .59	28.54 8.26	30 2.2	400 5000	D.C. Pl. Wedge	C-6 C-6	1.1	27.94	2.09	53.09	
3357NA/K	3357NALLB2	S-8		G	12.8 14	2.23 .59	28.54 8.26	30 2.2	800 10000	D.C. Pl. Wedge	C-6 C-6	1.1	27.94	1.7	43.18	
DE3423	DE3423LLB2	T-3/4	Auto	G	12	0.42	5	0.48	300	Dbl. Fest. Cap	C-8	—	—	1.16	30	
DE3425	DE3425LLB2	T-3/4	Auto	G	12	0.42	5	0.92	300	Dbl. Fest. Cap	C-8	—	—	1.16	30	
3456	3456LLB2	S-8	Auto, Signal	G	12.8	2.11	27	3.2	2000	D.C. Pl. Wedge	C-6	1.1	27.94	1.7	43.18	
3457	3457B2	S-8	Auto	G	12.8 14.0	2.23 .59	28.54 8.26	30 2.2	400 5000	D.C. Pl. Wedge	C-6 C-6	1.1	27.94	1.7	43.18	
3457NA	3457NAB2	S-8		G	12.8 14	2.23 .59	28.54 8.26	30 2.2	400 5000	D.C. Pl. Wedge	C-6 C-6	1.1	27.94	1.7	43.18	
3457NA/K	3457NALLB2	S-8		G	12.8 14	2.23 .59	28.54 8.26	30 2.2	800 10000	D.C. Pl. Wedge	C-6 C-6	1.1	27.94	1.7	43.18	
3496	3496B2	T-6	Auto, Stop, Signal	G	12	2.24	27	43	750	D.C. Index	C-6 C-6	1.1	31.75	2	50.8	
3497	3497B2	T-6	Auto, Signal	G	12	2.24	27	45	750	S.C. Bay.	C-6	1.25	31.75	2	50.8	

(2) Life shown is AC voltage. DC life is estimated to be half of AC life.
 (3) At 14.0 volts.
 (19) Actual life depends on practical usage applications. Laboratory design life is 25,000 hours.

Lamps

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Numerical Listing

Lamp Trade No.	Philips Part #	Bulb Family	Primary Application	Vac (V) — Gas (G)	Design Volts	Design Amps	Design Watts	Approx. Candle-Pwr.	Rated Avg. Life, Hours	Base	Filament Type	Light Center Length		Max Overall Length	
												in	mm	in	mm
3652		T-3¼	Auto, Parking	G	12	0.39	5	6	3000	Wedge, W2.1x9.5d	C-2R	0.5	12.7	1.06	26.92
3757NA	3757NALLB2	S-8	Auto, Signal	G	12.8 14.0	2.11 .59	26.9 8.26	32 3	1200 5000	Wedge, W2.1x16q	C-6	1.1	28.7	2.13	54.1
4114	4114LLB2	S-8	Auto	G	14	2.23 .59	28.5 7.5	32 3	4000 10000	Wedge, W2.1x16q	C-6	1.1	28.7	2.13	54.1
4057LL	4057LLB2	S-8	Auto, Stop, Signal	G	12.8 14	2.23 .48	28.5 6.7	30 2.5	4000 10000	Wedge, W2.1x16q	C-6	1.1	28.7	2.13	54.1
4157K	4157LLB2	S-8	Auto, Stop, Signal	G	12.8	2.23 .586	28.5 7.5	2.5	4000 10000	Wedge, W2.1x16q	C-6	1.1	28.7	2.13	54.1
4157NA	4157NALLB2	S-8	Auto, Signal	G	12.8	2.23 .586	28.5 7.6	0.16	4000 10001	Wedge, W2.1x16q	C-6 C-6	1.1	28.7	2.13	54.1
6411	6411LLB2	T-3¼	Auto	G	13.5	0.74	10	0.13	2000	DbL. Fest. Cap	C-8			1.61	40.8
6832		T-1		—	5	0.06	0.3	0.05	25000	Wire Term.	C-2R	—	—	0.14	3.56
6838		T-1		—	28	0.025	0.7	0.15	4000	Wire Term.	CC-2F	0.25	6.35	—	—
6839		T-1		—	28	0.025	0.7	0.15	4000	Sub-Midget Flng	CC-2F	0.19	4.83	0.38	9.65
7152		T-1		—	5	0.115	0.58	0.15	40000	Wire Term.	C-2R	—	—	0.14	3.56
7153		T-0¾		—	5	0.115	0.58	0.15	40000	Wire Term.	C-2R	—	—	0.19	4.83
7154		T-1		—	5	0.115	0.58	0.15	40000	Wire Term.	C-8	—	—	0.35	8.89
7327		T-1¾	Aviation	V	28	0.04	1.12	0.34	4000	Bi-Pin M-23	C-2F	0.5	12.7	0.61	15.49
7328		T-1¾		—	6	0.2	1.2	0.6	1000	Bi-Pin	C-2R	0.5	12.7	0.66	16.76
7371		T-1¾		—	12	0.04	0.48	0.1	20000	Bi-Pin	C-2F	0.5	12.7	0.66	16.76
7382		T-1¾		—	14	0.08	1.12	0.3	15000	Bi-Pin	C-2F	0.5	12.7	0.66	16.76
7387		T-1¾	Indicator	V	28	0.04	1.12	0.3	7000 ⁽²⁾⁽¹⁹⁾	Bi-Pin M-23	C-2F	0.5	12.7	0.61	15.49
7440	7440B2	T-6¼	Auto	G	12.8	1.64	21	2.9	300	Wedge, W3x16d	C-6	1.14	29	1.85	47
7440NA	7440NALLB2	T-6¼	Auto, Signal	G	12.8	1.64	21	2.9	300	Wedge, W3x16d	C-6	1.14	29	1.85	47
7441	7441CP	T-6¼	Auto	G	12.8	2.1	26.9	2.5	600	Wedge, W3x16d	C-6 C-6	1.14	29	1.85	47
7443	7443B2	T-6¼	Auto	G	12.8 14.0	1.63 .36	21.1 5.04	2.8	500 1000	Wedge, W3x16d	C-6 C-6	1.14	29	1.85	47
7444NA	7444NALLB2	T-6¼	Auto, Signal	G	14	1.78	24.98	2.8	600	Wedge, W3x16d	C-6 C-6	1.14	29	1.85	47
7715		T-1		—	5	0.115	0.58	0.15	40000	Bi-Pin	C-2R	0.25	6.35	0.38	9.65
7839		T-1		—	28	0.025	0.7	0.15	4000	Bi-Pin	CC-2F	0.25	6.35	0.38	9.65
8605		T-1	Auto, Instrument	—	5	0.017	0.09		10000	Sub-Midget Flng	C-2R	—	—	—	—
8918		T-1¾		—	14	0.1	1.4	0.5	10000	S.C. Midget Flng	C-2F	0.38	9.65	0.63	16
9003 (H4)	9003B1	Halogen	Auto Replaceable Halogen Headlamp Bulb, High/Low Beam	G	12.8	4.7/4.3	60/55	—	B3/B50/Tc(14V) = 300/750/800	P43T-38	C-8	1.12	28.5	3.63	83
9004	9004B1	Halogen	Auto Replaceable Halogen Headlamp Bulb, High/Low Beam	G	12.8	5.078125	65	138	150	P29T	C-6			3.69	94
9005	9005B1	Halogen	Auto Replaceable Halogen	G	12.8	5.078125	65	136	150 ⁽³⁾	P20D	C-8			3	77
9005XS	9005XSB1	Halogen	Auto Replaceable Halogen	G	12	5.078	65	136	150 ⁽³⁾	P20d - straight	C-8	1.24	31.5	2.17	55
9006	9006B1	Halogen	Auto Replaceable Halogen	G	12.8	4.296875	55	80	320 ⁽³⁾	P22D	C-8	1.14	29	3.07	78
9006XS	9006XSB1	Halogen	Auto Replaceable Halogen	G	12	4.296875	55	80	320 ⁽³⁾	P22d - straight	C-8	1.24	31.5	2.17	55
9007	9007B1	Halogen	Auto Replaceable Halogen Headlamp Bulb, High/Low Beam	G	12.8	5.078125	65	107	150	PX29t	C-8	1.13	28.7	2.95	75
9008 (H13)	9008B1	Halogen	Auto Replaceable Halogen Headlamp Bulb, High/Low Beam	G	12.8	4.6875	60		150	P26,4t		1.16	29.45	3.7	94
9011	9011B1	Halogen	Auto Replaceable Halogen Headlamp Bulb, High Beam	G	12.8	5.078125	65		B3/B50/Tc(14V) = 110/150/160	PX20d		1.14	29	3.07	78
9012LL (HIR2)	9012LLB1	Halogen	Auto Replaceable Halogen Headlamp Bulb, High/Low Beam	G	12.8	4.296875	55		B3/B10/B50/Tc(14V) = 650/800/900/920	PX22D		1.13	28.7	2.95	75
9040	9040B1	T-4½	Auto, Fog/Driving, Halogen	G	12.8	3.13	40	60	1500 ⁽³⁾	P20d/40t	C-6	1.24	31.5	2.16	55
9045	9045B1	T-4½	Auto, Fog/Driving, Halogen	G	12.8	3.52	45	80	1000 ⁽³⁾	P20d/45t	C-6	1.24	31.5	2.16	55
9055	9055B1	T-4½	Auto, Fog/Driving, Halogen	G	12.8	4.3	55	80	2300 ⁽³⁾	PZ20d	C-6	1.24	31.5	2.16	55
9140	9140B1	T-4½	Auto, Fog/Driving, Halogen	G	12.8	3.13	40	60	1500 ⁽³⁾	P20d	C-8	1.24	31.5	2.16	55
9145	9145B1	T-4½	Auto, Fog/Driving, Halogen	G	12.8	3.52	45	80	1000 ⁽³⁾	PY20d	C-8	1.24	31.5	2.16	55
9155		T-4½	Auto, Fog/Driving, Halogen	G	12.8	4.3	55	80	2300 ⁽³⁾	PY20d/55a	C-8	1.24	31.5	2.16	55
12036 (H6W)	H6WCP	T-2¾	Auto, Signal Halogen	G	13.5	0.44	6	10	B3/Tc = 350/700	BAX9s	C-6	0.59	15	1.33	33.9
12085 (PS19W)	PS19WC1	HiPerVision	Auto, Backup, Driving	G	13.5	1.407407	19	27.87	B3/Tc (13.5V) : 1000/2000	PG20D/1	C-8Z	0.94	24	1.88	47.75
12086FF (PS24WFF)	PS24WFFB1	HiPerVision	Auto, Fog/Driving	G	13.5	1.777778	24	39.81	B3/Tc (13.5V) : 750/1500	PG20D/3	C-8Z	0.94	24	1.88	47.75
12088 (PR21W)	PR21WC1	HiPerVision	Auto, Signal	G	13.5	1.85	25	8.75	B3/Tc = 250/600	BAW15s	C-6	1.25	31.75	2	50.8

(3) At 14.0 volts.

Numerical Listing

Note: Not all part numbers are available for purchase, but included for reference only.
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Lamps

Lamp Trade No.	Philips Part #	Bulb Family	Primary Application	Vac (V) — Gas (G)	Design Volts	Design Amps	Design Watts	Approx. Candle-Pwr.	Rated Avg. Life, Hours	Base	Filament Type	Light Center Length		Max Overall Length	
												in	mm	in	mm
12174NAHTR (PWY24WNAHTR)	PWY24WNAHTRC1	HiPerVision	Auto, Driving, Signal	G	13.5	1.778	24	23.86	B3/Tc (13.5V) : 1200/2400	WP3.3x14.5/4	C-8Z	0.94	24	1.88	47.75
12174SVHTR (PWY24WSVHTR)	PWY24WSVHTRC1	HiPerVision	Auto, Driving, Signal	G	13.5	1.778	24	23.86	B3/Tc (13.5V) : 1000/2000	PGU20/4	C-8Z	0.94	24	1.88	47.75
12177HTR (PW16WHTR)	PW16WHTRC1	HiPerVision	Auto, Driving, Signal	G	13.5	1.185	16	23.86	B3/Tc (13.5V) : 1500/3000	WP3.3x14.5/8	C-8Z	0.94	24	1.88	47.75
12180SV (PSY24WSV+)	PSY24WSVC1	HiPerVision	Auto, Signal	G	13.5	1.77778	24	23.89	B3/Tc (13.5V) : 1000/2000	PG20D/4	C-8Z	0.94	24	1.88	47.75
12182HTR (PW24WHTR)	PW24WHTRC1	HiPerVision	Auto, Driving, Signal	G	13.5	1.778	24	39.77	B3/Tc (13.5V) : 750/1500	WP3.3x14.5/3	C-8Z	0.94	24	1.88	47.75
12184 (HPC16W)	HPC16WC1	HiPerClick	Auto, Backup	G	13.5	1.185185	16	23.89	B3/Tc (13.5V) : 1500/3000	PU20d/1	C-8Z	0.67	18.5	1.87	51.5
12185 (HPC19W)	HPC19WC1	HiPerClick	Auto, Backup, Signal	G	13.5	1.407407	19	27.87	B3/Tc (13.5V) : 1000/2000	PU20d/3	C-8Z	0.77	19.5	2.18	55.55
12188NA (PSY24WNA)	PSY24WNAC1	HiPerVision	Auto, Driving, Signal	G	13.5	1.77778	24	23.89	B3/Tc (13.5V) : 1200/2400	PG20D/4	C-8Z	0.94	24	1.88	47.75
12190NA (PY24WNA)	PY24WNAC1	HiPerVision	Auto, Signal	G	13.5	1.77778	24	23.89	B3/Tc (13.5V) : 1200/2400	PGU20D/4	C-8Z	0.94	24	1.83	46.6
12256 (W3W)	12256B2	T-3/4	Auto	G	12	0.25	3	3	200	Wedge, W2.1x9.5d	C2V	0.5	12.7	1.22	31
12271NA (HPC16WNA)	HPC16WNAC1	HiPerClick	Auto, Signal	G	13.5	1.778	24	14.3	B3/Tc (13.5V) : 1200/2400	PU20d/2	C-8Z	0.66	19.5	1.87	55.55
12272NA (HPC24WNA)	HPC24WNAC1	HiPerClick	Auto, Signal	G	13.5	1.77778	24	23.89	B3/Tc (13.5V) : 1200/2400	PU20d/6	C-8Z	0.66	19.5	1.87	55.55
12274SV (PY24WSV)	PY24WSVC1	HiPerVision	Auto, Signal	G	13.5	1.778	24	23.86	B3/Tc (13.5V) : 1000/2000	PGU20d/4	C-8Z	0.94	24	1.88	47.75
12275NA (PSY19WNA)	PSY19WNAC1	HiPerVision	Auto, Signal	G	13.5	1.407407	19	17.12	B3/Tc (13.5V) : 1200/2400	PG20D/2	C-8Z	0.94	24	1.88	47.75
12276 (PSX24W)	PSX24WB1	HiPerVision	Auto, Fog/Driving	G	13.5	1.77778	24	39.81	B3/Tc (13.5V) : 750/1500	PG20D/7	C-8Z	0.94	24	1.88	47.75
12277 (P13W)	P13WC1	HiPerVision	Auto, Driving	G	13.5	1.259259	17	19.9	B3/Tc (13.5V) : 4000/8000	PG18.5d-1	C-8Z	1.03	25	2.57	62.55
12278 (PSX26W)	PSX26WC1	HiPerVision	Auto, Fog/Driving	G	13.5	1.77778	24	39.81	B3/Tc (13.5V) : 750/1500	PG18.5d-3	C-8Z	0.94	24	2.45	62.55
12356 (H21W)	H21WCP	T-2¾	Auto, Signal Halogen	G	13.5	1.555556	21	47	B3/Tc(13.5V) = 250/500	BAY9s	C-6	0.59	15	1.33	33.9
12396NA	12396NAB2	T-3/4	Auto (WY5W)	G	12	0.417	5	2.3	3250	Wedge, W2.1x9.5d	C-2F	0.56	14.22	1.06	26.92
12496	PY21WB2	S-8	Auto, Signal (PY21W)	G	12	1.75	21	1.8	13,5	Cand. Sc.	C-6	1.25	31.75	2	50.8
12498	P21WB2	S-8	Auto (P21W)	G	12	1.75	21	2.8	26,25 max.	Cand. Sc.	C-6	1.25	31.75	2	50.8
12499	P21/5WB2	S-8	Auto (P21/5W)	G	12	1.75 .417	21.00 5.00	1.7	600 ±12%	Cand. Sc.	C-6 C-6	1.25	31.75	2	50.8
12502	12502CP	S-8	Auto	G	12	1.75 .42	21.0 5.0	—	—	BA15d	C-6 C-6	1.25	31.75	2	50.8
12505	12505LLB2		Auto	G	12	0.19	2.28	0.12	300	Euro Mini W2x4.6d	C-2V	63.2	20	0.57	14.5
12516	12516CP		Auto	G	12	0.1	1.2	—	B3/Tc = 750/2500	Euro Mini W2x4.6d	C-2V	0.021	0.55	0.79	20
12594	P2¼WB2	S-8	Auto (P2¼W)	G	12	1.75 .333	21.0 4.0	—	300	BAZ15d	C-6 C-6	1.25	31.75	2	50.8
12814	12814CP	B-6	Auto (R10W)	G	12	0.833	10	0.8	200	Cand. Sc.	C-2R	0.748	19	1.47	37.3
12818	12818B2	T-2¼	Auto	G	12	0.25	3	—	B3/Tc = 250/500	Dbl. Fest. Cap	C-8	—	—	1.06	27
12821	12821B2	B-6	Auto (R5W)	G	12	0.417	5	0.32	200	Cand. Sc.	C-2R	0.748	19	1.47	37.3
12829	12829CP	T-1¾	Auto	G	13.5	0.15	2	—	B3/Tc = 500/1000	BA7s	—	—	—	0.75	19.05
12844	12844B2	T-3/4	Auto (C5W)	G	12	0.417	5	2.9	300	Dbl. Fest. Cap	C-8	—	—	1.46	38
12854	12854B2	T-4	Auto	G	12	0.83	10	—	B3/Tc = 400/1000	Dbl. Fest. Cap	C-8	—	—	1.46	38
12864		T-3/4	Auto	G	12	0.417	5	2.9	300	Dbl. Fest. Cap	C-8	—	—	1.77	45
12913	12913CP	T-3/4	Auto (T2W)	G	12	0.17	2	—	B3/Tc = 1000/1600	BA9s	C-2V	0.51	13	0.98	25
12929	12929LLB2	B-6	Auto (T4W)	G	12	0.33	4	—	B3/Tc = 500/1250	BA9s	C-2R	0.59	15	1.03	26.5
12961	12961B2	T-3/4	Auto (W5W)	G	12	0.417	5	0.32	200	Wedge, W2.1x9.5d	C-2R	0.5	12.7	1.06	27
13256	W3WCP-24V	T-3/4	Multi Purpose 24V	G	24	0.17	4	—	B3/Tc = 400/3000	Wedge, W2.1x9.5d	C2V	0.5	12.7	1.22	31
13258	H1C1-24V	Halogen	Multi Purpose 24V	G	24	2.9	70	—	—	P14,5s	—	0.98	25	2.46	62.5
13499	13499CP	S-8	Multi Purpose 24V	G	24	.87 .21	21.00 5.00	—	—	Cand. Sc.	C-6 C-6	1.25	31.75	2	50.8
13814	13814CP	B-6	Multi Purpose 24V	G	24	0.42	10	—	B3/Tc = 400/1000	Cand. Sc.	C-2R	0.748	19	1.47	37.3
13818	13818CP-24V	T-2¼	Multi Purpose 24V	G	24	0.125	3	—	B3/Tc = 250/500	Dbl. Fest. Cap	C-8	—	—	1.06	27

Lamps

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Numerical Listing

Lamp Trade No.	Philips Part #	Bulb Family	Primary Application	Vac (V) — Gas (G)	Design Volts	Design Amps	Design Watts	Approx. Candle-Pwr.	Rated Avg. Life, Hours	Base	Filament Type	Light Center Length		Max Overall Length	
												in	mm	in	mm
13821	R5WCP-24V	B-6	Multi Purpose 24V	G	24	0.21	5	—	B3/Tc = 400/1000	BA15s	C-2R	0.748	19	1.47	37.3
13829	13829CP-24v	T-1¼	Multi Purpose 24V	G	24	0.125	3	1.75	B3/Tc = 1000/2000	BA7s	C-7A	0.47	11.94	0.81	20.3
13844	13844CP-24v	T-3¼	Multi Purpose 24V	G	24	2.91	7	3.6	B3/Tc = 350/875	Dbl. Fest. Cap	C-8	—	—	1.46	38
13866	13866CP-24v	T-3¼	Multi Purpose 24V	G	24	0.42	10	3.4	B3/Tc = 400/1000	Dbl. Fest. Cap	C-8	—	—	1.61	40.8
13913	T2WCP-24V	T-3¼	Multi Purpose 24V	G	24	0.083	2	—	B3/Tc = 1000/1600	BA9s	C-2V	0.51	13	0.98	25
13929	13929CP	B-6	Multi Purpose 24V	G	24	0.16	4	—	B3/Tc = 500/1250	BA9s	C-2R	0.59	15	1.03	26.5
13972	13972C1	Halogen	Multi Purpose 24V	G	24	2.9	70	—	B3/Tc = 300/550	PX26d		0.98	25	2.32	59
13336MD	H3MDC1	Halogen	Multi Purpose 24V	G	24	2.9	70	—		PK22s		0.71	18	1.65	42
13342MD	13342MDC1	Halogen	Multi Purpose 24V	G	24	3.1/2.9	75/70	—		P43T-38	C-8	1.12	28.5	3.63	83
13498	13498CP	S-8	Multi Purpose 24V	G	24	0.87	21	—	B3/Tc = 125/300	BA15s	C-6	1.25	31.75	2	50.8
13499	13499CP	S-8	Multi Purpose 24V	G	24	1.1 0.42	28 10	—	1500/150	BAY15d	C-6	1.25	31.75	2	50.8
13961	13961CP	T-3¼	Multi Purpose 24V	G	24	0.21	5	—	B3/Tc = 450/1500	Wedge, W2.1x9.5d	C-2R	0.5	12.7	1.06	27
D1R	D1RC1	Xenon	Auto Replaceable Xenon Headlamp Bulb, High/Low Beam	G	85	0.411765	35	—	2500	PK32d-3	—	1.07	27.1	3.25	82.5
D1S	D1SC1	Xenon	Auto Replaceable Xenon Headlamp Bulb, High/Low Beam	G	85	0.411765	35	—	2500	PK32d-2	—	1.07	27.1	3.25	82.5
D2R	D2RC1	Xenon	Auto Replaceable Xenon Headlamp Bulb, High/Low Beam	G	85	0.411765	35	—	2500	P32d-3	—	1.07	27.1	3.25	75
D2S	D2SC1	Xenon	Auto Replaceable Xenon Headlamp Bulb, High/Low Beam	G	85	0.411765	35	—	2500	P32d-2	—	1.07	27.1	3.25	75
D3R	D3RC1	Xenon	Auto Replaceable Xenon Headlamp Bulb, High/Low Beam	G	42	0.833333	35	—	2500	PK32d-6	—	1.07	27.1	3.25	82.5
D3S	D3SC1	Xenon	Auto Replaceable Xenon Headlamp Bulb, High/Low Beam	G	42	0.833333	35	—	2500	PK32d-5	—	1.07	27.1	3.25	82.5
D4R	D4RC1	Xenon	Auto Replaceable Xenon Headlamp Bulb, High/Low Beam	G	42	0.833333	35	—	2500	P32d-6	—	1.07	27.1	3.25	75
D4S	D4SC1	Xenon	Auto Replaceable Xenon Headlamp Bulb, High/Low Beam	G	42	0.833333	35	—	2500	P32d-5	—	1.07	27.1	3.25	75
D5S	D5SC1	Xenon	Auto Replaceable Xenon Headlamp Bulb, High/Low Beam	G	12.8	1.953125	25	—	2500	PK32d-7	—	0.71	18	2.91	74
H1	H1B1	Halogen	Auto Replaceable Halogen Headlamp Bulb, High/Low Beam, Fog	G	12.8	4.296875	55	—	B3/Tc/Tav(14V) = 140/360/340	P14,5s		0.98	25	2.46	62.5
H2	H2C1	Halogen	Auto, Fog/Driving, Halogen	G	12.8	4.296875	55	—		X511	C-8	0.22	5.5	1.22	31
H3	H3B1	Halogen	Auto, Fog/Driving, Halogen Headlamp Bulb, High Beam, Fog	G	12.8	4.296875	55	—	B3/Tc(13,2V) = 150/450	PK22s		0.71	18	1.65	42
H7	H7B1	Halogen	Auto Replaceable Halogen Headlamp Bulb, High/Low Beam, Fog	G	12.8	4.296875	55	—	Tc(14V) = 250	PX26d		0.98	25	2.32	59
H8	H8B1	Halogen	Auto Replaceable Halogen Headlamp Bulb, Fog	G	12.8	2.734375	35	—	B3/Tav(14V) = 200/350	PGJ19-1		0.98	25	3.07	78
H9	H9B1	Halogen	Auto Replaceable Halogen Headlamp Bulb, HighBeam	G	12.8	5.078125	65	—	B3/Tc(14V) = 150/250	PGJ19-5		0.98	25	3.07	78
H11	H11B1	Halogen	Auto Replaceable Halogen Headlamp Bulb, Low Beam	G	12.8	4.296875	55	—	B3/Tc(13,2V) = 500/800	PGJ19-2		0.98	25	3.07	78
H11B	H11BB1	Halogen	Auto Replaceable Halogen Headlamp Bulb, Low Beam	G	12.8	4.296875	55	—	B3/Tc(13,2V) = 500/800	PGJY19-2		0.98	25	2.63	67
H15	H15B1	Halogen	Auto Replaceable Halogen Headlamp Bulb, High/Low Beam	G	12.8	4.297 1.17	55.00 15.00	—	HB: B3/Tc = 250/500 LB: B3/Tc = 2000/4000	PGJ23t-1		1.18	30	3.11	79
H16	H16C1	Halogen	Auto, Fog/Driving, Halogen	G	12.8	1.25	16	—	B3/Tc(13,2V) = 500/1000	PGJ19-3		0.98	25	3.07	78
HS1	HS1	Halogen	2 Wheeler, Off-Road	G	12	2.91	35	—		PX43t-38		1.12	28.5	3.63	83
S2	S2	Halogen	2 Wheeler, Off-Road	G	12	2.91	35	—		BA20d	C-8/C-2R			2.79	71

Numerical Listing

Note: Not all part numbers are available for purchase, but included for reference only.
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Sealed Beam Lamps

Lamp Trade No.	Philips Part #	Bulb Family	Primary Application	Design Volts	Design Watts or Amps	Approx. Candle Pwr.	Spread to 10% Max. C.P. Deg (approx) Hor. x Vert.	Rated Avg. Life, Hours	Base	Filament Type	Max Overall Length	
											in	mm
651		PAR-56	Train Headlamp	37.5	110	14000	30 x 10	1000	2 Contact Lugs	CC-6	5	127
652		PAR-36	Train Tail	37.5	35	2000	30 x 25	1000	2 Mogul End Prongs	CC-6	2.76	70
4000	4000C1	PAR-46	Auto Headlamp, Low Beam 4-Lamp Round System ⁽¹⁰⁾	12.8	37.5 60	— —	— —	200 ⁽³⁾ 320 ⁽³⁾	3 Contact Lugs	C-5	4	102
4000A		PAR-46	Warning Lamp, Amber ⁽³⁾	12.8	37.5 60	— —	34 x 7 34 x 7	200 ⁽³⁾ 320 ⁽³⁾	3 Contact Lugs	C-6	4	102
4000R		PAR-46	Signal, Red ⁽¹⁰⁾	12.8	37.5 60	— —	34 x 7 34 x 7	200 ⁽³⁾ 320 ⁽³⁾	3 Contact Lugs	C-7A	4	102
4001		PAR-46	Auto Headlamp, High Beam 4-Lamp Round System	12.8	37.5	—	—	200 ⁽³⁾	2 Contact Lugs	C-6	4	102
4001A		PAR-46	Warning Lamp, Amber	12.8	37.5	—	26 x 5	200 ⁽³⁾	2 Contact Lugs	C-6	4	102
4001B		PAR-46	Headlamp, Blue	12.8	37.5	2600	26 x 5	200 ⁽³⁾	2 Contact Lugs	C-6	4	102
4001R		PAR-46	Warning Lamp, Red	12.8	37.5	—	26 x 5	200 ⁽³⁾	2 Contact Lugs	C-6	4	102
4002		PAR-46	Auto Headlamp	12.8	37.5 50	11,000 19,000	34 x 7 34 x 7	200 ⁽³⁾ 320 ⁽³⁾	3 Contact Lugs	C-6	4	102
4002A		PAR-46	Headlamp, Amber	12.8	37.5 50	8,000 14,000	34 x 7 34 x 7	200 ⁽³⁾ 320 ⁽³⁾	3 Contact Lugs	C-6	4	102
4002R		PAR-46	Headlamp, Red	12.8	37.5 50	1,300 2,000	34 x 7 34 x 7	200 ⁽³⁾ 320 ⁽³⁾	3 Contact Lugs	C-6	4	102
4007	4007C1	PAR-46	Spot/Flood Lamp	13	100	200,000 50,000	7 x 5 13 x 16	25 25	3M-P	C-6	3.63	92
4007S		PAR-46	Spot/Flood Lamp ⁽¹⁰⁾	13	100	200,000 50,000	7 x 5 13 x 16	25 25	3M-P	C-6	3.63	92
4010		PAR-46	Auto Driving	6.2	30	27000	16 x 4	80 ⁽²¹⁾	Screw Terminals	C-6	3.75	95
Q4011		PAR-46	Spot Lamp, Quartz	12.8	50	110000	10 x 5	200	M-P	C-6	3.63	92
4012		PAR-46	Auto Fog	6.2	35	11000	40 x 5	80 ⁽²¹⁾	Screw Terminals	C-6	3.75	95
4012A		PAR-46	Auto Fog, Amber	6.2	35	8800	40 x 5	80 ⁽²¹⁾	Screw Terminals	C-6	3.75	95
4013		PAR-46	Tractor	6.4	25	900	80 x 20	100	Screw Terminals	C-6	3.75	95
4014		PAR-36	Auto Signal	6.4	18	1500	50 x 25	200	M-P	C-6	2.75	70
4014A		PAR-36	Auto Signal, Amber	6.4	18	450	50 x 25	70	Screw	C-6	2.76	70
4014R		PAR-36	Auto Signal, Red	6.4	18	275	50 x 25	70	Screw	C-6	2.76	70
4015		PAR-36	Auto Fog	6.2	35	8500	40 x 5	80	Screw	C-6	2.76	70
4015A		PAR-36	Auto Fog, Amber	6.2	35	7000	40 x 5	80	Screw	C-6	2.76	70
4017		PAR-46	Lantern Spot/Flood	5.5	11.5 3.8	16,000 3,000	5 x 1.5 7 x 7	50 100	3 Contact Lugs	C-6	4	102
4018		PAR-46	Lantern Spot/Flood	6.0	11.0 3.8	38,000 1,800	5 x 2 7 x 7	50 100	3 Contact Lugs	C-6	4	102
4019		PAR-46	Tractor	6.2	30	1200	Trapezoidal	300 ⁽²¹⁾	Screw Terminals	C-6	3.75	95
4020		PAR-46	Cycle Headlamp	6.4	30	—	—	300	3 Contact Lugs	C-6	4	102
4031		PAR-46	Military Headlamp	6.4	45 35	30,000 16,000	25 x 7 25 x 7	120 180	3 Contact Lugs	C-6	4	102
4034A		PAR-46	Signal, Amber	6.5	50	1200	55 x 25	45 ⁽²¹⁾	Screw Terminals	C-6	3.75	95
4036		PAR-46	Lantern	6.4	18 18	25,000 1,500	7 x 2 7 x 7	100 100	3 Contact Lugs	C-6	4	102
4037		PAR-46	Auto Fog	12.8	18	—	26 x 5	300	M-P	C-6	4	102
4037A		PAR-46	Auto Fog, Amber	12.8	18	12000	26 x 5	300	M-P	C-6	4	102
4040		PAR-46	Auto Headlamp, Low Beam 4-Lamp Round System ⁽¹⁰⁾	12.8	37.5 60	— —	— —	300 ⁽³⁾ 500 ⁽³⁾	3 Contact Lugs	C-6	4	102
4042		PAR-36	Emergency Lighting	6.4	12	1100	45 x 20	150	Screw Terminals	C-6	2.75	70
4044		PAR-36	Emergency Lighting	12	12	1100	50 x 25	150	M-P	C-6	2.75	70
4048KC		PAR-46	Auto Spot	13	155	300000	15 x 7	15	M-P	C-6	3.63	92
4049	4049C1	PAR-46	Spot Lamp	13	150	300000	15 x 7	15	M-P	C-6	3.69	94
4049S		PAR-46	Spot Lamp ⁽¹⁰⁾	13	150	300000	15 x 7	15	M-P	C-6	3.69	94
4056		PAR-36	Cycle Headlamp	6.4	30 25	12,000 10,000	25 x 4 25 x 4	100 100	3 Contact Lugs	C-6	2.76	70
4057		PAR-36	Cycle Headlamp	6.4	25 25	10,000 7,000	25 x 4 25 x 4	100 100	3 Contact Lugs	C-6	3.15	80
4078		PAR-46	CIM Flood	6.4	50	1500	55 x 30	500 ⁽²¹⁾	2 Contact Lugs	C-6	4	102
4080		PAR-46	CIM Headlamp	6.4	50	8000	40 x 5	500	2 Contact Lugs	C-6	4	102
4186		PAR-36	Moped Headlamp	6	18	—	30 x 5	300	M-P	C-6	2.75	70

(3) At 14.0 volts.

(10) Filament shielded.

(21) At 7.0 volts.

Numerical Listing

Note: Not all part numbers are available for purchase, but included for reference only.
Please contact customer service for part number availability at 1-800-257-6054.

Sealed Beam Lamps

Lamp Trade No.	Philips Part #	Bulb Family	Primary Application	Design Volts	Design Watts or Amps	Approx. Candle Pwr.	Spread to 10% Max. C.P. Deg (approx) Hor. x Vert.	Rated Avg. Life, Hours	Base	Filament Type	Max Overall Length	
											in	mm
4439		PAR-46	Flood	12.8	18	2500	30 x 10	100 ⁽³⁾	2 Contact Lugs	C-6	4	102
4440		PAR-36	Tractor	12.8	40	31,000	40 x 5	320 ⁽³⁾	3 Contact Lugs	C-6	2.76	70
4440X		PAR-36	Tractor	12.8	40	6,000	40 x 7	320 ⁽³⁾	3 Contact Lugs	C-6	3	76
4442		PAR-36	Special Service, Flood	12.8	18 ⁽⁵⁷⁾	100	80 x 80	2000	M-P	C-6	2.75	70
4443		PAR-36	Spot, Military	12.8	18	10000	10 x 5	700 ⁽³⁾	Screw Terminals	C-6	2.76	70
4444		PAR-36	Snowmobile Headlamp	12.8	18	4500	40 x 5	100 ⁽³⁾	Screw Terminals	C-6	2.76	70
4445		PAR-36	Snowmobile Headlamp	12.8	35	2,900	40 x 5	320 ⁽³⁾	3 Contact Lugs	C-6	2.76	70
4446		PAR-36	Special Service, Flood	12.8	25	150	80 x 80	2000	M-P	C-6	2.75	70
4449		PAR-36	Passing	12.8	30	15000	11 x 4.5	300	Screw Terminals	C-6	2.76	70
4454		PAR-36	Snowmobile Headlamp	12.8	60	10,000	40 x 8	200 ⁽³⁾	3 Contact Lugs	C-6	2.76	70
4455A		PAR-36	Military, Amber	28	50	1500	50 x 25	400	2 Eyelet	CC-6	2.76	70
4455R		PAR-36	Military, Red	28	50	950	50 x 25	400	2 Eyelet	CC-6	2.76	70
4456		PAR-36	Cycle Headlamp	12.8	30	10,000	25 x 4	100 ⁽³⁾	3 Contact Lugs	C-6	3	76
4457		PAR-36	Tractor Headlamp	12.8	40	6,000	30 x 10	320 ⁽³⁾	3 Screw Terminals	C-6	2.76	70
4458		PAR-56	Cycle Headlamp	12.8	60	32,000	34 x 7	200 ⁽³⁾	3 Contact Lugs	C-6	5	127
4459		PAR-46	Tractor	12.8	40	1,400	Trapezoidal	320 ⁽³⁾	3 Slip-On Terminals	C-6	3.31	84
4460		PAR-36	Tractor/CIM Headlamp	12.8	40	6,500	40 x 10	320 ⁽³⁾	Screw Terminals	C-6	2.76	70
4460X		PAR-36	Tractor	12.8	40	6,500	22 x 10	320 ⁽³⁾	3 Screw Terminals	C-6	2.75	70
4460X-1		PAR-36	Tractor	12.8	40	6,000	40 x 7	320 ⁽³⁾	3 Slip-On Terminals	C-6	2.75	70
H4460X		PAR-36	Tractor ⁽³³⁾	12.8	40	11,000	22 x 10	320 ⁽³⁾	3 Screw Terminals	C-6	2.75	70
4461	4461C1	PAR-36	Tractor	12.8	60	6000	Trapezoidal	300	M-P	C-6	2.75	70
4464		PAR-36	Auto Signal	12.8	60	50000	12 x 5	300 ⁽³⁾	M-P	C-6	2.75	70
4464R		PAR-36	Spot, Red	12.8	60	7500	11 x 5	300 ⁽³⁾	Screw Terminals	C-6	2.76	70
4466	4466C1	PAR-36	Tractor	12.8	60	1000	80 x 30	300 ⁽³⁾	Screw Terminals	C-6	2.75	70
4467		PAR-46	Cycle Headlamp	12.8	50	—	—	320 ⁽³⁾	3 Contact Lugs	C-6	4	102
H4467		PAR-46	Cycle Headlamp Halogen	12.8	35	—	—	275 ⁽³⁾	3 Contact Lugs	C-6	4	102
4478		PAR-46	CIM Flood	13	60	27,000	31 x 7	350 ⁽³⁾	3 Contact Lugs	C-6	4	102
4480		PAR-46	CIM Headlamp	13	60	12,500	30 x 6	320 ⁽³⁾	2 Contact Lugs	2C-6	4	102
4490A		PAR-46	Auto Fog, Amber	28	60	6000	40 x 7	800 ⁽³⁾	2 Contact Lugs	2C-6	4	102
4492		PAR-46	Snowmobile Headlamp ⁽⁴⁰⁾	12.8	50	9000	40 x 5	400	Screw Terminals	CC-6	3.75	95
4502	4502C1	PAR-36	Auto, Aircraft, Military Headlamp	12.8	60	21,000	—	300	3 Contact Lugs	C-6	4	102
4503		PAR-36	Military Headlamp	12.8	60	19,000	—	300	3 Contact Lugs	C-6	4	102
4505	4505C1	PAR-36	Aircraft Passing	28	50	10000	40 x 7	400	M-P	CC-6	2.75	70
4505R		PAR-36	Aircraft Passing, Red	28	50	—	11 x 5	400	M-P	CC-6	2.75	70
4506		PAR-36	Hand Lantern ⁽³⁵⁾	4.7	0.5	4500	4 x 4	30	M-P	C-2R	2.75	70
4509	4509C1	PAR-36	Aircraft Landing	13	100	110000	11 x 6	25	M-P	C-6	2.75	70
4509S		PAR-36	Spot Lamp ⁽¹⁰⁾	13	100	110000	11 x 6	25	M-P	C-6	2.75	70
4509X		PAR-36	Marine Spot Lamp ⁽⁴¹⁾	13	100	110000	12 x 6	25	Screw Terminals	C-6	2.75	70
4509Y		PAR-36	Special Service	13	100	—	12 x 6	25	Screw Terminals	C-6	2.75	70
Q4509		PAR-36	Aircraft Landing ^(33/40)	13	100	140000	—	100	Screw Terminals	C-8	2.75	70
4510		PAR-36	Auto Utility	6.4	25	750	80 x 20	300	M-P	C-6	2.75	70
4510R		PAR-36	Auto Signal, Red	6.4	25	300	65 x 25	100	Screw Terminals	C-6	2.76	70
4511		PAR-36	Tractor	6.2	30 ⁽⁵⁷⁾	2300	Trapezoidal	300 ⁽²¹⁾	M-P	C-6	2.75	70
4512		PAR-36	Bicycle Headlamp	4.7	0.5	150	Trapezoidal	100	M-P	C-2R	2.75	70
4515	4515C1	PAR-36	Auto Spot	6.4	30	55000	5 x 5	100	M-P	C-6	2.75	70
H4515		PAR-36	Spot Lamp, Shielded Bulb	6.4	30	67000	5 1/2 x 4	100	Screw Terminals	C-6	2.75	70
4516		PAR-36	Auto Spot	6.2	30	40000	9 x 4	300	M-P	C-6	2.75	70

(3) At 14.0 volts.

(10) Filament shielded.

(21) At 7.0 volts.

(33) This sealed beam halogen lamp has a pressurized inner bulb that could shatter if it is damaged. If the outer seal cover is damaged, carefully remove and dispose of the lamp by placing it in a closed container. Promptly replace any sealed beam lamp whose reflector has discolored.

(35) Lightly strippled lens.

(40) Not for use on highways.

(41) Shield in front of filament blocks direct light.

(57) Nominal.

Sealed Beam Lamps

Note: Not all part numbers are available for purchase, but included for reference only.
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Numerical Listing

Lamp Trade No.	Philips Part #	Bulb Family	Primary Application	Design Volts	Design Watts or Amps	Approx. Candle Pwr.	Spread to 10% Max. C.P. Deg (approx) Hor. x Vert.	Rated Avg. Life, Hours	Base	Filament Type	Max Overall Length	
											in	mm
4516B		PAR-36	Auto Spot, Blue	6.2	30	15000	9 x 4	300	Screw Terminals	C-6	2.76	70
4516R		PAR-36	Auto Spot, Red	6.2	30	15000	9 x 4	300	Screw Terminals	C-6	2.76	70
4519		PAR-36	Marine	13	100	30000	40 x 7	25	Screw Terminals	C-6	2.75	70
4522		PAR-46	Aircraft Landing Fil. Segments Parallel ⁽¹⁰⁾	13	250	290000	12 x 10	25	M-P	C-2	3.13	80
4524		PAR-46	Spot	6	28.5	80000	8 x 4	50 ⁽²¹⁾	Screw Terminals	C-6	3.75	95
4530		PAR-46	Signal, Flashing	26	5.3	100000	11 x 11	50	Screw Terminals	4CC-8	3.75	95
4531		PAR-46	Auto Military Headlamp	12.5	40	30000	20 x 6	400	M-P	C-6	3.69	94
4532		PAR-46	Aircraft	28	250	75,000	12 x 19	100	Screw Terminals	CC-8	3.75	95
				28	150	14,500	16 x 19	100				
4534S		PAR-46	Spot ⁽¹⁰⁾	13	100	200000	8 x 5	25	M-P	C-6	3.69	94
4535		PAR-46	Auto Spot ⁽¹⁰⁾	6.4	30	95000	5 x 4	100	M-P	C-6	3.69	94
4537	4537C1	PAR-46	Aircraft Landing	13	100	200000	11 x 6	25	M-P	C-6	3.69	94
4537S		PAR-46	Auto Spot ⁽¹⁰⁾	13	100	200000	11 x 6	25	M-P	C-6	3.69	94
4541		PAR-56	Aircraft Landing	28	450	470000	15 x 11	25	Screw Terminals	C-13	4.5	114
4543		PAR-56	Spot Lamp, Special Service	12.5	100	250000	9 x 5	50	M-P	C-6	4.5	114
4545		PAR-56	Marine Searchlight ⁽¹⁰⁾	12	100	240000	9 x 5	100	M-P	C-6	4.5	114
4546		PAR-36	Hand Lantern - 4 F Cells	4.7	0.5	4000	4 x 4	100	M-P	C-2R	2.75	70
4546H		PAR-36	Hand Lantern - 4 F Cells, Clear	4.7	0.5	4500	4 x 4	100	M-P	C-2R	2.75	70
4547		PAR-36	Hand Lantern	4.8	6	20000	3 x 3	100	M-P	C-2R	2.75	70
4551		PAR-46	Aircraft	28	250	75000	50 x 10	25	M-P	CC-6	3.88	99
4552		PAR-64	Aircraft Landing ⁽⁴⁴⁾	28	250	500000	7 x 8	25 ⁽⁴⁶⁾	Screw Terminals	CC-8	3.75	95
4553		PAR-46	Aircraft Landing ⁽⁴⁴⁾	28	250	300000	11 x 12	25 ⁽⁴⁶⁾	Screw Terminals	CC-8	3.13	80
4554		PAR-46	Aircraft Taxiing ⁽⁴⁶⁾	28	450	90000	50 x 16	25	Screw Terminals	CC-8	3.13	80
Q4554		PAR-46	Aircraft Taxiing, Quartz ⁽³³⁾⁽⁴⁶⁾	28	450	65000	50 x 11	100	Screw Terminals	CC-6	2.63	67
4555		PAR-64	Aircraft Landing ⁽⁴⁶⁾⁽⁴⁷⁾	115	1000	600000	20 x 11	25 ⁽⁴⁵⁾	Screw Terminals	C-13	3.75	95
4556		PAR-64	Aircraft Landing ⁽⁴⁶⁾	28	1000	700000	—	25	Screw Terminals	CC-6	3.75	95
				28	1000	540,000	11 x 15	25				
4557		PAR-64	Aircraft Landing/Taxiing ⁽⁴⁶⁾	28	400	100,000	25 x 11	100 ⁽⁴⁶⁾	3 Screw Terminals	CC-8	3.75	95
4559		PAR-64	Aircraft Landing ⁽¹⁰⁾	28	600	600000	11 x 12	25	M-P	CC-8	4	102
Q4559		PAR-64	Aircraft Landing, Quartz ⁽³³⁾⁽⁴⁶⁾	28	600	600000	12 x 8	100	M-P	CC-6	4	102
Q4559X		PAR-64	Aircraft Landing, Quartz	28	600	765000	12 x 8	100	M-P	CC-6	4	102
Q4566		PAR-46	Aircraft, Quartz	28	450	150000	16 x 12	1000	Screw Terminals	CC-6	3.31	84
4568		PAR-36	Cycle Headlamp ⁽¹⁰⁾	12.8	25	6800	40 x 5	300	M-P	C-6	2.75	70
4570	4570C1	PAR-46	Aircraft Taxiing	28	150	32000	50 x 9	300	M-P	CC-6	3.88	99
4570X		PAR-46	Tractor	28	150	32000	50 x 9	300	Screw Terminals	CC-6	3.75	95
4571		PAR-46	Flood, Special Service	28	150	7000	80 x 25	300	Screw Terminals	CC-6	3.75	95
4572		PAR-46	Auto Flood, Military	28	150	4500	55 x 55	300	Screw Terminals	CC-6	3.75	95
4578		PAR-46	CIM Flood	28	60	1600	55 x 30	800	2 Contact Lugs	2C-6	4	102
H4578	H4578C1	PAR-46	CIM Flood, Halogen	28	60	1800	50 x 20	800	2 Contact Lugs	2C-6	4	102
				28	80	24,000	25 x 7	400				
4579	4579C1	PAR-46	CIM Headlamp	28	60	11,000	25 x 7	400	3 Contact Lugs	CC-6	4	102
				28	80	3,600	25 x 7	400				
4579R		PAR-46	CIM, Red	28	60	1,600	25 x 7	400	3 Contact Lugs	CC-6	4	102
4580		PAR-46	Aircraft Landing ⁽³³⁾⁽⁴⁶⁾	28	450	400000	13 x 14	10	Screw Terminals	CC-8	3.75	95
4581		PAR-46	Aircraft Landing	28	450	400000	13 x 14	10	M-P	CC-8	3.15	80
4582		PAR-46	Aircraft/Helicopter Flood ⁽⁴⁶⁾	28	450	20000	50 x 55	10	Screw Terminals	CC-8	3.75	95
4583		PAR-36	Cycle Headlamp ⁽¹⁰⁾	6.4	25	6200	40 x 5	300	M-P	C-6	2.75	70
4587		PAR-36	Aircraft Taxiing ⁽⁴⁶⁾	28	250	40000	40 x 13	25	Screw Terminals	CC-8	2.75	70
4589	4589C1	PAR-36	Aircraft	28	50	5000	Trapezoidal	400	M-P	CC-6	2.75	70
4591		PAR-36	Aircraft Landing	28	100	90000	12 x 6	25	Screw Terminals	CC-6	2.75	70
4593		PAR-36	Aircraft In-Air Refueling	28	50	1500	80 x 30	400	Screw Terminals	CC-6	2.75	70
4594		PAR-36	Aircraft Navigation	28	100	70000	13 x 7	300	Screw Terminals	CC-6	2.75	70
4595		PAR-36	Aircraft Navigation	13	100	60000	14 x 6	300	Screw Terminals	C-6	2.75	70
4596		PAR-36	Aircraft Landing ⁽⁴⁶⁾	28	250	150000	11 x 12	25	Screw Terminals	CC-8	2.75	70
4596Y		PAR-36	Signal, Amber ⁽¹⁰⁾	28	250	—	—	25	Screw Terminals	CC-8	2.75	70
Q4597		PAR-46	Aircraft Flood, Quartz ⁽³³⁾⁽⁴⁶⁾	28	450	16000	60 x 35	1000	Screw Terminals	CC-6	3.31	84

(10) Filament shielded.

(21) At 7.0 volts.

(33) This sealed beam halogen lamp has a pressurized inner bulb that could shatter if it is damaged. If the outer seal cover is damaged, carefully remove and dispose of the lamp by placing it in a closed container. Promptly replace any sealed beam lamp whose reflector has discolored.

(36) The slight iridescent color you may notice will not affect the lamp's performance.

(44) 120 degree cylindrical shield positioned to the side of the filament.

(45) Life tested by switching the lamp off every 5 minutes.

(46) The extreme wattage required to operate this lamp may make it unsuitable for some uses. Ask your Customer Service Representative for options.

(47) Slightly rounded corner.

(48) Trapezoidal beam, spread to 10% measured through the center of the beam pattern.

(49) Not interchangeable with 4603X which is stained red. Check lamp periodically for correct color light.

Numerical Listing

Note: Not all part numbers are available for purchase, but included for reference only.
Please contact customer service for part number availability at 1-800-257-6054.

Sealed Beam Lamps

Lamp Trade No.	Philips Part #	Bulb Family	Primary Application	Design Volts	Design Watts or Amps	Approx. Candle Pwr.	Spread to 10% Max. C.P. Deg (approx) Hor. x Vert.	Rated Avg. Life, Hours	Base	Filament Type	Max Overall Length	
											in	mm
4601		PAR-36	Tractor Tail	6.2	30	2000	Trapezoidal	300 ⁽²¹⁾	Screw Terminals	C-6	2.75	70
4603		PAR-36	Tractor ⁽³⁶⁾⁽⁴⁸⁾⁽⁴⁹⁾	12.8	35	2800	Trapezoidal	300 ⁽²¹⁾	Screw Terminals	C-6	2.75	70
4603X		PAR-36	Tractor ⁽⁵⁰⁾	12.8	35	2800	Trapezoidal	300 ⁽²¹⁾	Screw Terminals	C-6	2.75	70
4606		PAR-46	Special Service	5.7	20	800	80 x 20	150	Screw Terminals	C-6	4	102
4608A		PAR-46	Emergency Warning	4.7	1.9	400	30 x 7	1000	M-P	C-2R	3.75	95
4609A		PAR-36	Emergency Warning	4.7	1.9	400	20 x 3	1000	M-P	C-2R	3.15	80
4610		PAR-46	Tractor Tail	12.8	35	1600	Trapezoidal	300	Screw Terminals	C-6	3.75	95
4614		PAR-36	Aircraft Navigation ⁽⁴¹⁾	6	100	85000	11 x 6	300	Screw Terminals	C-6	2.75	70
4618		PAR-36	Hand Latern - 4 F Cells	4.8	1	13000	3 x 3	100	M-P	C-2R	2.75	70
4619		PAR-46	Auto Headlamp, High Beam 4-Lamp Round System, 24 Volt	28	50	—	—	400	2 Contact Lugs	CC-6	4	102
4624		PAR-46	Auto Headlamp, Low Beam 4-Lamp Round System, 24 Volt	28	50	—	—	400	3 Contact Lugs	CC-6	4	102
4626		PAR-36	Aircraft Taxiing	28	150	25000	40 x 9	300	Screw Terminals	CC-6	2.75	70
4627		PAR-36	Aircraft	28	100	3000	80 x 30	300	Screw Terminals	CC-6	2.75	70
Q4629		PAR-64	Aircraft Logo, Quartz ⁽⁴⁶⁾	28	600	20000	55 x 35	1000	Screw Terminals	CC-6	4.81	122
Q4631		PAR-36	Aircraft Landing, Quartz	13	250	80000	13 x 12	500	M-P	C-6	2.75	70
Q4632		PAR-36	Aircraft, Quartz	13	250	75000	14 x 12	500	M-P	C-6	2.75	70
4633		PAR-46	School Bus Signal	12.8	75	6000	80 x 15	70 ⁽³⁾	M-P	C-6	3.75	95
4633A		PAR-46	School Bus Signal, Amber	12.8	75	1200	80 x 15	70 ⁽³⁾	M-P	2C-6	3.75	95
4633R		PAR-46	School Bus Signal, Red	12.8	75	700	80 x 15	70 ⁽³⁾	M-P	2C-6	3.75	95
4635		PAR-46	Aircraft Landing ⁽⁴⁶⁾	16.5	450	325000	14 x 15	25	Screw Terminals	C-8	3.75	95
4636	4636C1	PAR-46	Signal	14	80	90000	9 x 7	200 ⁽³⁾	M-P	2C-6	3.75	95
4636-3		PAR-46	Signal	14	80	90000	9 x 7 1/2	200	M-P	2C-6	3.75	95
4651		REC-58	Auto Headlamp, High Beam 4-Lamp Rec. System	12.8	50	—	—	200 ⁽³⁾	2 Contact Lugs	C-6	4.5	114
4651B		REC-58	Signal, Blue	12.8	50	—	—	200 ⁽³⁾	M-P	C-6	4.5	114
4651R		REC-58	Signal, Red	12.8	50	3000	26 x 5	200 ⁽³⁾	M-P	C-6	4.5	114
H4651	H4651C1	REC-58	Auto Headlamp, High Beam 4-Lamp Rec. System, Halogen	12.8	50	—	—	200 ⁽³⁾	2 Contact Lugs	C-6	4.5	114
H4651A		REC-58	Auto Headlamp, Amber Halogen	12.8	50	—	26 x 5	400	2 Contact Lugs	C-6	4.7	121
H4651CC		REC-58	Auto Headlamp, High Beam 4-Lamp Rec. System, Halogen, Color Black	12.8	50	—	—	200 ⁽³⁾	2 Contact Lugs	C-6	4.5	114
H4651R		REC-58	Auto Headlamp, Red Halogen	12.8	50	—	26 x 5	400	2 Contact Lugs	C-6	4.7	121
4652	4652C1	REC-58	Auto Headlamp, Low Beam 4-Lamp Rec. System	12.8	60	—	—	200 ⁽³⁾	3 Contact Lugs	C-6	4.5	114
H4652	H4652C1	REC-58	Auto Headlamp, Low Beam 4-Lamp Rec. System	12.8	60	—	—	200 ⁽³⁾	3 Contact Lugs	C-6	4.5	114
4653		REC-58	Truck Headlamp Fleet Service	12.8	60	—	—	300 ⁽³⁾	3 Contact Lugs	C-6	4.5	114
H4656	H4656C1	REC-58	Auto Headlamp, Low Beam 4-Lamp Rec. System, Halogen	12.8	35	—	—	200 ⁽³⁾	3 Contact Lugs	C-6	4.5	114
H4656CC		REC-58	Auto Headlamp, Low Beam 4-Lamp Rec. System, Halogen, Color Black	12.8	35	—	—	200 ⁽³⁾	3 Contact Lugs	C-6	4.5	114
H4656LL	H4656LLC1	REC-58	Auto Headlamp, Low Beam 4-Lamp Rec. System, Halogen	12.8	35	—	—	900 ⁽³⁾	3 Contact Lugs	C-6	4.5	114
HP4656		REC-58	Auto Headlamp, Low Beam 4-Lamp Rec. System, Halogen Plastic	12.8	35	—	—	200 ⁽³⁾	3 Contact Lugs	C-6	4.8	121
H4666	H4666C1	REC-58	Auto Headlamp, 2-Lamp Rec. System, Halogen	12.8	65	—	—	150	3 Contact Lugs	C-6	4.5	114
H4666CC		REC-58	Auto Headlamp, 2-Lamp Rec. System, Halogen, Color Black	12.8	65	—	—	150	3 Contact Lugs	C-6	4.5	114
4675		PAR-36	Auto, Special Service	13	75	15000	40 x 5	300	M-P	C-6	2.75	70
Q4681		PAR-46	Aircraft Landing, Quartz	28	450	310000	15 x 9	50	Screw Terminals	CC-6	2.63	67
4690		PAR-36	Tractor Headlamp	12.8	60	9,000	40 x 10	200 ⁽³⁾	3 Screw Terminals	C-6	3	76
4700		PAR-36	Spot/Flood	13	100	100,000	40 x 10	200 ⁽³⁾	3 Screw Terminals	C-6	3	76
				13	100	50,000	12 x 7	25	3 Screw Terminals	C-6	2.75	70
				13	100	50,000	17 x 18	25	3 Screw Terminals	C-6	2.75	70

(3) At 14.0 volts.

(21) At 7.0 volts.

(41) Shield in front of filament blocks direct light.

(46) The extreme wattage required to operate this lamp may make it unsuitable for some uses. Ask your Customer Service Representative for options.

(50) This lamp cannot be interchanged with lamp #4603.

Sealed Beam Lamps

Note: Not all part numbers are available for purchase, but included for reference only.
Please contact customer service for part number availability at 1-800-257-6054.

Numerical Listing

Lamp Trade No.	Philips Part #	Bulb Family	Primary Application	Design Volts	Design Watts or Amps	Approx. Candle Pwr.	Spread to 10% Max. C.P. Deg (approx) Hor. x Vert.	Rated Avg. Life, Hours	Base	Filament Type	Max Overall Length	
											in	mm
H4701	H4701C1	REC-48	Auto Headlamp, High Beam 4-Lamp Rec. System, Halogen	14	65	—	—	150	2 Lugs	C-8	3.34	85
H4703	H4703C1	REC-48	Auto Headlamp, Low Beam 4-Lamp Rec. System, Halogen	14	55	—	—	320	2 Lugs	C-8	3.34	85
4713		PAR-36	Aircraft Logo	28	150	4200	50 X 65	300	Screw Terminals	2C-6	2.75	70
4715		PAR-64	Marine Spot Lamp	13	250	500000	8 x 7	25	M-P	C-2	4	102
H4719		PAR-46	Tractor Spot, Halogen	12.8	50	—	Trapezoidal	200 ⁽³⁾	M-P	C-6	3.69	94
H4739		REC-58	Auto Headlamp, Low Beam 4-Lamp Rec. System, Halogen	12.8 12.8	40 50	15,000 25,000	34 x 7 34 x 7	500 ⁽³⁾ 2000 ⁽³⁾	3 Contact Lugs	C-6	4.43	111
H4740		REC-58	Auto Headlamp, High Beam 4-Lamp Rec. System, Halogen	12.8	50	55000	26 x 5	500 ⁽³⁾	2 Contact Lugs	C-6	4.7	121
4750		PAR-36	CIM Headlamp	28	60	5000	36 x 12	800	Screw Terminals	2C-6	2.76	70
4752		PAR-36	CIM Flood	28	60	2000	50 x 25	800	Screw Terminals	2C-6	2.75	70
4800	4800C1	PAR-56	Auto Headlamp, Military	28	50	19,000	34 x 7	400	3 Contact Lugs	CC-6	5	127
				28	40	11,000	34 x 7	400				
4803		PAR-56	Auto Headlamp, Military	28	50	19,000	34 x 7	400	3 Contact Lugs	CC-6	5	127
				28	40	11,000	34 x 7	400				
4811		PAR-36	Auto Headlamp, Military	28	110	—	—	400	3 Contact Lugs	CC-6	3	76
				28	55	—	—	400				
4813		PAR-46	CIM Headlamp	28	90	10000	50 x 10	800	2 Contact Lugs	2C-6	4	102
H4813		PAR-46	CIM Headlamp, Halogen	28	90	12000	50 x 10	800	2 Contact Lugs	2C-6	4	102
4814		PAR-46	CIM Hi-Speed Driving	28	90	27000	8 x 4	800	2 Contact Lugs	2C-6	4	102
H4814		PAR-46	CIM Hi-Speed Driving, Halogen	28	90	33000	8 x 4	800	2 Contact Lugs	2C-6	4	102
4825R		PAR-36	CIM Stop/Tail, Red Lens ^(36/40)	28	50	200	—	200	3 Screw Terminals	C-2V	2.75	70
				28	18	40	—	200				
4860		PAR-56	Auto Headlamp, Military	28	80	—	—	400	Waterproof Terminals	CC-6	5	127
				28	60	—	—	400				
4860(OR)		PAR-56	Military Signal	28	80	—	34 x 7	400	3 Eyelet	CC-6	5	127
				28	60	—	34 x 7	400				
4860A		PAR-56	Military Headlamp, Amber	28	80	18,000	34 x 7	400	Waterproof Terminals	CC-6	5	127
				28	60	9,000	34 x 7	400				
4863		PAR-56	Military Headlamp	28	80	24,000	34 x 7	400	Waterproof Terminals	CC-6	5	127
				28	60	11,000	34 x 7	400				
4863(OR)		PAR-56	Military Signal	28	80	—	34 x 7	400	3 Eyelet	CC-6	5	127
				28	60	—	34 x 7	400				
4863A		PAR-56	Military Signal, Amber	28	80	—	34 x 7	400	Waterproof Terminals	CC-6	5	127
				28	60	—	34 x 7	400				
4863U		PAR-56	Auto Headlamp, Military	28	80	—	—	400	No Base (Ferrules)	CC-6	5	127
				28	60	—	—	400				
4880		PAR-46	CIM Headlamp	28	60	6000	—	800	2 Contact Lugs	2C-6	4	102
H4880		PAR-46	CIM Headlamp, Halogen	28	60	7000	40 x 7	800	2 Contact Lugs	2C-6	4	102
4912-1		REC-58	Auto/Truck Fog ⁽⁵²⁾	12.8	50	14000	40 x 7	300	Slip-On Terminals	C-6	4.53	115
4913-1		REC-58	Tractor Flood	12.8	50	1350	80 x 20	400 ⁽³⁾	Slip-On Terminals	C-6	4.53	115
4919-1		REC-58	Tractor	12.8	50	3700	Trapezoidal	400 ⁽³⁾	Slip-On Terminals	C-6	4.5	114
4921	4921C1	REC-58	Truck Special Service	13	100	—	40 x 7	300	M-P	C-6	4.5	114
5001		PAR-46	Auto Headlamp, High Beam 4-Lamp Round System	12.8	50	—	—	200 ⁽³⁾	2 Contact Lugs	C-6	4	102
H5001	H5001C1	PAR-46	Auto Headlamp, High Beam 4-Lamp Round System, Halogen	12.8	50	—	—	200 ⁽³⁾	2 Contact Lugs	C-6	4	102
H5006	H5006C1	PAR-46	Auto Headlamp, Low Beam 4-Lamp Round System, Halogen	12.8	35	—	—	200 ⁽³⁾	3 Contact Lugs	C-6	4	102
				12.8	35	—	—	320 ⁽³⁾				
H5009		PAR-46	Auto Headlamp, Low Beam 4-Lamp Round System, Halogen	12.8	40	15,000	35 x 7	500 ⁽³⁾	3 Contact Lugs	C-6	4	102
				12.8	50	20,000	35 x 7	2000 ⁽³⁾				
H5010		PAR-46	Auto Headlamp, High Beam 4-Lamp Round System, Halogen	12.8	50	55000	26 x 5	900 ⁽³⁾	3 Contact Lugs	C-6	4	102
H5024		PAR-56	Truck Headlamp, 2-Lamp Round System, Halogen	12.8	65	—	—	400 ⁽³⁾	3 Contact Lugs	C-6	5	127
				12.8	42	—	—	2000 ⁽³⁾				
H5051		REC-58	Truck Headlamp, High Beam 4-Lamp Rec. System, Halogen ^(33/51)	12.8	50	—	—	500 ⁽³⁾	2 Contact Lugs	C-6	4.8	121

(3) At 14.0 volts.

(33) This sealed beam halogen lamp has a pressurized inner bulb that could shatter if it is damaged. If the outer seal cover is damaged, carefully remove and dispose of the lamp by placing it in a closed container. Promptly replace any sealed beam lamp whose reflector has discolored.

(36) The slight iridescent color you may notice will not affect the lamp's performance.

(40) Not for use on highways.

(51) Alternative construction may be adhesive seal.

(52) 90 degree spherical shield above filament which masks all direct light.

Numerical Listing

Note: Not all part numbers are available for purchase, but included for reference only.
Please contact customer service for part number availability at 1-800-257-6054.

Sealed Beam Lamps

Lamp Trade No.	Philips Part #	Bulb Family	Primary Application	Design Volts	Design Watts or Amps	Approx. Candle Pwr.	Spread to 10% Max. C.P. Deg (approx) Hor. x Vert.	Rated Avg. Life, Hours	Base	Filament Type	Max Overall Length	
											in	mm
H5054		REC-68	Truck Headlamp, 2-Lamp Rec. System, Halogen (33)(51)	12.8	65	—	—	400 (3)	3 Contact Lugs	C-6	5.44	138
				12.8	42	—	—	2000 (3)				
H5062		REC-58	Truck Headlamp, Low Beam 4-Lamp Rec. System, Halogen (33)(51)	12.8	40	—	—	400 (3)	3 Contact Lugs	C-6	4.8	121
				12.8	55	—	—	2000 (3)				
5411		PAR-36	Tractor	13	100	16000	Trapezoidal	300	M-P	C-6	2.75	70
5557		PAR-64	Aircraft Landing/Taxiing (46)	28	1000	540,000	11 x 15	50	3 Screw Terminals	C-6	3.75	95
				28	400	100,000	25 x 11	100 (46)				
6006		PAR-56	Auto Headlamp Aimer, Buttons on Lens (10)	6.1	50	—	—	300	3 Contact Lugs	C-6	5.25	134
				6.2	40	—	—	500				
H6006	H6006C1	PAR-56	Auto Headlamp Aimer, Buttons on Lens	6.1	50	—	—	300	3 Contact Lugs	C-6	5.25	134
				6.2	40	—	—	500				
6012		PAR-56	Auto Headlamp, 2-Lamp Round System	12.8	50	27,000	34 x 7	200 (3)	3 Contact Lugs	C-6	5	127
				12.8	40	20,000	34 x 7	320 (3)				
6013		PAR-56	Auto Headlamp, 2-Lamp Round System	12.8	50	27,000	34 x 7	200 (3)	3 Contact Lugs	C-6	5	127
				12.8	40	20,000	34 x 7	320 (3)				
6014	6014C1	PAR-56	Auto Headlamp, 2-Lamp Round System (10)	12.8	60	—	—	200 (3)	3 Contact Lugs	C-6	5.25	134
				12.8	50	—	—	320 (3)				
6014A		PAR-56	Warning Lamp, Amber (10)	12.8	60	—	30 x 6	200 (3)	3 Contact Lugs	C-6	5.25	134
				12.8	50	—	30 x 6	320 (3)				
6015		PAR-56	Truck Heavy Duty Headlamp, 2-Lamp Round System (10)	12.8	60	—	—	300	3 Contact Lugs	C-6	5.25	134
				12.8	50	—	—	500				
H6015	H6015C1	PAR-56	Truck Heavy Duty Headlamp, 2-Lamp Round System	12.8	60	—	—	300	3 Contact Lugs	C-6	5.25	134
				12.8	50	—	—	500				
6016		PAR-56	Auto Fleet Service Headlamp, 2-Lamp Round System (10)	12.8	60	—	—	900	3 Contact Lugs	C-6	5.25	134
				12.8	50	—	—	1500				
H6017		PAR-56	Auto Headlamp, 2-Lamp Round System, Halogen	12.8	60	—	—	200 (3)	3 Contact Lugs	C-6	5.25	134
				12.8	35	—	—	320 (3)				
H6024	H6024C1	PAR-56	Auto Headlamp, 2-Lamp Round System, Halogen	12.8	65	—	—	150 (3)	3 Contact Lugs	C-6	5	127
				12.8	35	—	—	320 (3)				
H6026		PAR-56	Auto Headlamp, 2-Lamp Round System, Halogen	12.8	60	32,000	35 x 7	900 (3)	3 Contact Lugs	C-6	5	127
				12.8	50	28,000	35 x 7	1500 (3)				
6045		PAR-56	Signal	26	170	230000	9 x 8	100	Screw Terminals	CC-6	4.5	114
6052	6052C1	REC-68	Auto Headlamp, 2-Lamp Rec. System	12.8	65	—	—	150 (3)	3 Contact Lugs	C-6	5.63	143
				12.8	55	—	—	320 (3)				
6053		REC-68	Truck Fleet Service Headlamp, 2-Lamp Rec. System	12.8	65	—	—	150 (3)	3 Contact Lugs	C-6	5.63	143
				12.8	55	—	—	320 (3)				
H6054	H6054C1	REC-68	Auto Headlamp, 2-Lamp Rec. System, Halogen	12.8	65	—	—	150 (3)	3 Contact Lugs	C-6	5.63	143
				12.8	35	—	—	320 (3)				
H6054CC		REC-68	Auto Headlamp, 2-Lamp Rec. System, Halogen; Color Black, Blue, Red, White	12.8	65	—	—	150 (3)	3 Contact Lugs	C-6	5.63	143
				12.8	35	—	—	320 (3)				
H6054LL	H6054LLC1	REC-68	Auto Headlamp, 2-Lamp Rec. System, Halogen	12.8	65	—	—	900 (3)	3 Contact Lugs	C-6	5.63	143
				12.8	35	—	—	2000 (3)				
HP6054		REC-68	Auto Headlamp, 2-Lamp Rec. System, Halogen Plastic	12.8	65	—	—	150 (3)	3 Contact Lugs	C-6	5.44	138
				12.8	35	—	—	320 (3)				
6058		REC-68	Cycle Headlamp	12.8	65	35,000	34 x 7	150 (3)	3 Contact Lugs	C-6	5.32	135
				12.8	55	30,000	34 x 7	450 (3)				
H6059		REC-68	Auto Headlamp, 2-Lamp Rec. System, Halogen	12.8	65	45,000	35 x 7	900 (3)	3 Contact Lugs	C-6	5.32	135
				12.8	55	32,000	35 x 7	1500 (3)				
H6060		REC-68	Auto Headlamp, 2-Lamp Rec. System, Halogen	12.8	65	35,000	34 x 7	500 (3)	3 Contact Lugs	C-6	5.32	135
				12.8	50	30,000	34 x 7	2000 (3)				
H6412		PAR-56	Auto Fog, Halogen	12.8	20	5000	60 x 4	2000 (30)	2 Contact Lugs	C-6	5	127
H6545	H4666C1	REC-58	Auto Headlamp, 2-Lamp Rec. System, Halogen	12.8	65	35,000	35 x 7	150 (3)	3 Contact Lugs	C-6	4.43	111
				12.8	45	25,000	35 x 7	450 (3)				
HP6545		REC-58	Auto Headlamp, 2-Lamp Rec. System, Halogen	12.8	65	35,000	35 x 7	150	3 Contact Lugs	C-6	4.43	111
				12.8	45	25,000	35 x 7	450				
7128		PAR-36	Emergency Lighting	12	8	800	24 x 18	50	M-P	C-2R	2.75	70
7400		PAR-36	Rotating Beacon and Auto Spot	12.8	35	35000	12 x 5	300	M-P	C-6	2.75	70
7400A		PAR-36	Rotating Beacon, Amber	12.8	35	—	12 x 5	300	M-P	C-6	2.75	70
7400R		PAR-36	Rotating Beacon, Red	12.8	35	—	12 x 5	300	M-P	C-6	2.75	70

(3) At 14.0 volts.

(10) Filament shielded.

(30) These lamps flash randomly. At design voltage and room temperature most lamps will flash within 1 minute.

(33) This sealed beam halogen lamp has a pressurized inner bulb that could shatter if it is damaged. If the outer seal cover is damaged, carefully remove and dispose of the lamp by placing it in a closed container. Promptly replace any sealed beam lamp whose reflector has discolored.

(46) The extreme wattage required to operate this lamp may make it unsuitable for some uses. Ask your Customer Service Representative for options.

Sealed Beam Lamps

Note: Not all part numbers are available for purchase, but included for reference only.
Please contact customer service for part number availability at 1-800-257-6054.

Numerical Listing

Lamp Trade No.	Philips Part #	Bulb Family	Primary Application	Design Volts	Design Watts or Amps	Approx. Candle Pwr.	Spread to 10% Max. C.P. Deg (approx) Hor. x Vert.	Rated Avg. Life, Hours	Base	Filament Type	Max Overall Length	
											in	mm
7401		PAR-36	Auto Spot	13	150	170000	11 x 6	15	M-P	C-6	2.75	70
7414Y		PAR-36	Signal, Light Yellow Lens	12.8	18	1000	50 x 25	300	Screw Terminals	C-6	2.75	70
7425A		PAR-36	Moped Headlamp, Elevated Dome With Amber Side	6	25	—	30 x 5	300	M-P	C-6	3.13	79
Q7455		PAR-36	Warning Lamp, Quartz	12.8	55	72000	12 x 5	200	M-P	C-6	2.75	70
H7550		PAR-36	Hand Lantern, Halogen ⁽³³⁾	6	8	25000	3 x 3	50	Screw Terminals	C-6	2.75	70
H7550-1		PAR-36	Hand Lantern, Halogen ⁽³³⁾	6	8	25000	3 x 3	50	Slip-On Terminals	C-6	2.75	70
H7551		PAR-36	Emergency Lighting, Halogen ⁽³³⁾	6	8	550	30 x 20	50	Screw Terminals	C-6	2.75	70
H7552		PAR-36	Emergency Lighting, Halogen ⁽³³⁾	6	10	650	30 x 20	50	Screw Terminals	C-6	2.75	70
H7553		PAR-36	Emergency Lighting, Halogen ⁽³³⁾	6	12	850	30 x 20	50	Screw Terminals	C-6	2.75	70
H7554		PAR-36	Emergency Lighting, Halogen ⁽³³⁾	6	20	1400	30 x 20	50	Screw Terminals	C-6	2.75	70
H7555		PAR-36	Emergency Lighting, Halogen ⁽³³⁾	12	8	550	30 x 20	50	Screw Terminals	C-6	2.75	70
H7556		PAR-36	Emergency Lighting, Halogen ⁽³³⁾	6	6	400	30 x 20	50	Screw Terminals	C-6	2.75	70
H7557		PAR-36	Emergency Lighting, Halogen Cycle ⁽³³⁾	12	12	850	30 x 20	50	Screw Terminals	C-6	2.75	70
H7600		PAR-36	Rotating Beacon, Halogen ⁽³³⁾	12.8	37.5	60000	9 x 4 ½	300	Screw Terminals	C-6	2.75	70
H7604	H7604C1	PAR-36	Spot Lamp, Halogen ⁽³³⁾	12.8	50	100000	7 x 5	100	Screw Terminals	C-6	2.75	70
H7606	H7606C1	PAR-36	Tractor Flood, Halogen Cycle ⁽³³⁾	12.8	50	1000	80 x 30	400 ⁽³⁾	Screw Terminals	C-6	2.75	70
H7607		PAR-36	Tractor Flood ⁽³³⁾	12.8	65	1500	—	600 ⁽³⁾	Screw Terminals	C-6	2.75	70
H7609		PAR-46	Tractor Flood, Halogen ⁽³³⁾	12.8	50	2200	80 x 20	400 ⁽³⁾	Screw Terminals	C-6	3.75	95
H7610	H7610C1	PAR-36	Tractor, Halogen ⁽³³⁾	12.8	50	5200	Trapezoidal	400 ⁽³⁾	Screw Terminals	C-6	2.75	70
H7612		PAR-46	Auto Fog, Halogen ⁽³³⁾	12.8	37.5	15000	40 x 7	450	Screw Terminals	C-6	3.75	95
7613	7613C1	PAR-36	Emergency Lighting	6	8	800	24 x 18	50	M-P	C-2R	2.75	70
H7614	H7614C1	PAR-36	Flood, Halogen	12.8	50	2000	70 x 30	100	Screw Terminals	C-6	2.75	70
H7616		PAR-36	Spot Lamp, Halogen ⁽³³⁾	12.8	37.5	70000	7 x 4	300	Screw Terminals	C-6	2.75	70
H7619		PAR-46	Tractor, Halogen ⁽³³⁾⁽⁴⁸⁾	12.8	50	6000	Trapezoidal	400 ⁽³⁾	Screw Terminals	C-6	3.75	95
H7621-1		PAR-46	Auto/Truck Special Service, Halogen ⁽³³⁾⁽⁵⁴⁾	12.8	50	20000	50 x 7	200 ⁽³⁾	Slip-On Terminals	C-6	3.75	95
H7635	H7635C1	PAR-46	Spot Lamp, Halogen	12.8	50	160000	6 x 4	100	M-P	C-6	3.69	94
H7635X		PAR-46	Spot Lamp, Halogen ⁽³³⁾	12.8	50	160000	6 ½ x 4	100	Screw Terminals	C-6	3.75	95
7672		PAR-36	Emergency Lighting	6	7.2	350	24 x 18	50	Screw Terminals	C-2R	2.75	70
H7921-1		REC-58	Auto/Truck Special Service, Halogen ⁽³³⁾⁽⁵⁴⁾	12.8	50	23900	35 x 5	200 ⁽³⁾	Slip-On Terminals	C-6	4.8	121
H7935-1	H7935-1C1	REC-58	Spot Lamp, Halogen ⁽³³⁾	12.8	50	175000	6 ½ x 3 ½	100	Slip-On Terminals	C-6	4.53	115
H9405		REC-48	Spot Lamp, Halogen ⁽³³⁾	12.8	50	100000	7 x 4	100	2 Rt. Angle Lugs	C-6	3	76
H9406	H9406C1	REC-48	Tractor Flood, Halogen ⁽³³⁾	12.8	50	1350	70 x 30	400 ⁽³⁾	2 Rt. Angle Lugs	C-6	3	76
H9411	H9411C1	REC-48	Tractor, Halogen ⁽³³⁾	12.8	50	5400	Trapezoidal	400 ⁽³⁾	2 Rt. Angle Lugs	C-6	3	76
H9414		REC-48	Tractor, Emergency Lighting, Med. Flood, Halogen ⁽³³⁾	12.8	50	2700	45 x 20	400 ⁽³⁾	2 Rt. Angle Lugs	C-6	3	76
H9415	H9415C1	REC-48	Auto Fog, Halogen ⁽³³⁾	12.8	37.5	12000	45 x 5	200 ⁽³⁾	2 Rt. Angle Lugs	C-6	3	76
H9415A		REC-48	Auto Fog, Amber Halogen ⁽³³⁾	12.8	37.5	—	45 x 5	200 ⁽³⁾	2 Rt. Angle Lugs	C-6	3	76
H9420	H9420C1	REC-48	Auto Driving, Halogen ⁽³³⁾	12.8	50	47000	15 x 5	200 ⁽³⁾	2 Rt. Angle Lugs	C-6	3	76
H9421	H9421C1	REC-48	Auto/Truck Special Service, Halogen ⁽³³⁾	12.8	50	14000	45 x 8	200 ⁽³⁾	2 Rt. Angle Lugs	C-6	3	76

(3) At 14.0 volts.

(33) This sealed beam halogen lamp has a pressurized inner bulb that could shatter if it is damaged. If the outer seal cover is damaged, carefully remove and dispose of the lamp by placing it in a closed container. Promptly replace any sealed beam lamp whose reflector has discolored.

(48) Trapezoidal beam, spread to 10% measured through the center of the beam pattern.

(54) Special fixture required for highway use.

Lamps

Note: Not all part numbers are available for purchase, but included for reference only.
Please contact customer service for part number availability at 1-800-257-6054.

Bulb Family Listing

Bulb Family	Line No.	Lamp Trade No.	Primary Application	Vac (V) — Gas (G)	Design Volts	Design Amps	Design Watts	Approx. Candle Pwr.	Rated Avg. Life, Hours	Base	Filament Type	Light Center Length		Max Overall Length	
												IN	MM	IN	MM

G-6 — Approx. 3/4" (19.0mm) Diameter — Burning Position: Any

144	96	Auto	G	13.50	0.690	9.32	4	5000 ⁽⁹⁾	D.C. Bay.	C-2V	0.81	20.57	1.44	36.58
145	97	Auto	G	13.50	0.690	9.32	4	5000 ⁽⁹⁾	S.C. Bay.	C-2V	0.81	20.57	1.44	36.58
146	97A	Auto, Outside Coated Translucent Amber	G	13.50	0.690	9.32	—	5000	S.C. Bay.	C-2V	—	—	1.44	36.58
147	98	Auto	G	13.00	0.620	8.06	6	800	S.C. Bay.	C-2V	0.75	19.05	1.44	36.58
148	99	Auto	G	13.00	0.620	8.06	6	800	D.C. Bay.	C-2V	0.75	19.05	1.44	36.58

G-8 — Approx. 1" (25.4mm) Diameter — Burning Position: Any

149	1226	Marine ⁽¹⁾	V	32.00	0.210	6.72	6	150	D.C. Bay.	C-2V	0.87	22.10	1.75	44.45
150	809M	Instrument	V	70.00	0.120	8.40	.8	600	Min. Sc.	C-7A	1.31	33.27	1.80	45.72

J-3 1/4

151	2017	—	—	14.00	3.571	50.00	95	150	G4 Bi-Pin	CC-6	0.85	21.59	1.20	30.48
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R-12 — Approx. 1 1/2" (38.1mm) x 5.3" (135.0mm) Diameter — Burning Position: Any

152	1383	Auto, Reading Light Base-half Silvered and Light Outside Bowl Frosted	G	13.00	1.500	19.50	—	300	S.C. Bay.	C-8	—	—	2.63	66.80
153	1385	Aviation, Reading Light Base-half Silvered and Light Outside Bowl Frosted	G	28.00	0.720	20.00	—	300	S.C. Bay.	CC-8	—	—	2.63	66.80
154	1388	Special Service, Telephone, Base Half of Bulb Reflectorized, 1/2" White Spot on Bulb Top ⁽²⁷⁾	G	24.00	0.833	20.00	—	500	D.C. Bay.	CC-8	—	—	2.63	66.80

RP-11 — Approx. 1 3/8" (34.9mm) Diameter — Burning Position: Base Down to Horiz., Except as Noted

155	1000	Auto	—	6.20	3.9	24.18	32.00	125	D.C. Bay.	C-2V	1.25	31.75	2.25	57.15
156	1021	Hand Lantern - 4 No. 6 Cells	G	4.50	1.250	5.63	5.7	75	S.C. Pref. ⁽¹⁷⁾	C-6	0.87	22.10	2.25	57.15
157	1022	Auto	—	6.20	4.58	28.4	32.00	300	D.C. Pref.	C-2V	1.12	28.45	2.25	57.15
158	1026	Auto	—	6.40	2.72	17.41	21.00	200	D.C. Pref.	C-6	1.12	28.45	2.25	57.15
159	1044	Auto	—	12.50	2.17	27.13	32.00	300	D.C. Pref.	C-2V	1.12	28.45	2.25	57.15
				12.80	1.85	23.68	32.00	200		C-6				
				12.80	2.73	34.94	50.00	240	D.C. Pref.	C-6	1.12	28.45	2.25	57.15
				12.80	1.8	23.04	32.00	195		C-6				
160	1047	Aviation, Two 1.35 amp. Fil. in Mult. Mounted in Same Plane and Spaced Approx. 3mm apart ⁽¹⁾	G	26.00	2.700	70.20	105	25	S.C. Bay.	2CC-6	1.25	31.75	2.25	57.15
161	1054	Marine ⁽¹⁾	G	32.00	0.740	23.68	32	100	D.C. Bay.	C-2V	1.25	31.75	2.25	57.15
162	1062	Emergency Lighting ⁽²⁶⁾	G	40.00	0.920	36.80	50	100	D.C. Bay.	C-5	1.25	31.75	2.25	57.15
163	1074	Auto	—	12.80	2.73	34.94	50.00	240	D.C. Pref.	C-6	0.88	22.35	2.25	57.15
				14.00	0.51	7.14	4.00	2000		C-2R				
164	1124	Auto	—	12.50	1.92	24.0	32.00	300	D.C. Bay.	C-2R	1.25	31.75	2.25	57.15
				12.50	1.92	24.0	32.00	300		C-2R				
165	1133	Auto ⁽¹⁾	G	6.20	3.910	24.24	32	200	S.C. Bay.	C-2R	1.25	31.75	2.25	57.15
166	1134	Auto ⁽¹⁾	G	6.20	3.910	24.24	32	200	D.C. Bay.	C-2R	1.25	31.75	2.25	57.15
167	11390F	Reading Light	G	12.80	1.040	13.30	15	700	S.C. Bay.	C-2R	—	—	2.25	57.15
168	1143	Auto ⁽¹⁾	G	12.50	2.000	25.00	32	400	S.C. Bay.	C-2R	1.25	31.75	2.25	57.15
169	1143K	Auto	G	12.50	2.000	25.00	32	400	Cand. Sc.	C-2R	1.57	39.88	2.25	57.15
170	1144	Auto ⁽¹⁾	G	12.50	2.000	25.00	32	400	D.C. Bay.	C-2R	1.25	31.75	2.25	57.15
171	1145	Auto	—	22.00	0.960	21.12	27	100	S.C. Bay.	C-2V	1.25	31.75	2.25	57.15
172	1183	Auto ⁽¹⁾	G	5.50	6.250	34.98	50	100	S.C. Bay.	C-2V	1.25	31.75	2.25	57.15
173	1184	Auto ⁽¹⁾	G	5.50	6.250	34.98	50	100	D.C. Bay.	C-2V	1.25	31.75	2.25	57.15

(1) Base Pins approximately at right angles to plane of filament.

(14) Dimension: bottom of base contact to the bottom of the collar is .406".

(17) Dimension: bottom of base contact to the bottom of the collar is .562".

(26) Use a soft cloth when removing the lamp from a socket. Unusual pressure may cause the glass to crack.

(27) Top of bulb is lightly frosted on the outside.

Lamps

Note: Not all part numbers are available for purchase, but included for reference only.
Please contact customer service for part number availability at 1-800-257-6054.

Bulb Family Listing

Bulb Family	Line No.	Lamp Trade No.	Primary Application	Vac (V) — Gas (G)	Design Volts	Design Amps	Design Watts	Approx. Candle Pwr.	Rated Avg. Life, Hours	Base	Filament Type	Light Center Length		Max Overall Length	
												IN	MM	IN	MM

S-8 — Approx. 1" (25.4mm) Diameter — Burning Position: Any, Except as Noted

213	1096		Instrument, Microscope Illuminator ⁽⁴⁾	G	6.00	4.500	27.00	30	500	D.C. Pref.	C-2R	1.00	25.40	2.00	50.80
214	1129		Auto ⁽¹⁾	G	6.40	2.630	16.83	21	200	S.C. Bay.	C-6	1.25	31.75	2.00	50.80
215	1130		Auto ⁽¹⁾	G	6.40	2.630	16.83	21	200	D.C. Bay.	C-6	1.25	31.75	2.00	50.80
216	1132IF		Sewing Machine, Inside Frosted, Brass Contact Soldered to Each Base Eyelet	G	6.40	2.630	16.83	—	200	D.C. Bay.	C-6	—	—	2.00	50.80
217	1141		Auto ⁽¹⁾	G	12.80	1.440	18.43	21	1000	S.C. Bay.	C-6	1.25	31.75	2.00	50.80
218	1141A		Auto, Outside Coated Translucent Amber ⁽¹⁾	G	12.80	1.440	18.43	—	1000	S.C. Bay.	C-6	—	—	2.00	50.80
219	1141IF		Auto, Inside Frosted	G	12.80	1.440	18.43	—	1000	S.C. Bay.	C-6	—	—	2.00	50.80
220	1142		Auto ⁽¹⁾	G	12.80	1.440	18.43	21	1000	D.C. Bay.	C-6	1.25	31.75	2.00	50.80
221	1152		Special Service ⁽⁴⁾	G	12.80	1.340	17.15	21	500	D.C. Bay.	C-2R	1.25	31.75	2.00	50.80
222	1154		Auto ⁽¹⁾	G	6.40	2.63	16.83	21.00	200	D.C. Index	C-6	1.25	31.75	2.00	50.80
223	1156		Auto ⁽¹⁾	G	7.00	.75	5.25	3.00	1000	D.C. Index	C-6	1.25	31.75	2.00	50.80
224	1156DC		School Bus, Swing Out Stop Arm	G	12.80	2.100	26.88	32	1200	S.C. Bay.	C-6	1.25	31.75	2.00	50.80
225	1156LL		Auto ⁽¹⁾	G	12.80	2.100	26.88	32	2400	S.C. Bay.	C-6	1.25	31.75	2.00	50.80
226	1156NA		Auto, Amber (Natural) ⁽¹⁾	G	12.80	2.100	26.88	24	1200	S.C. Bay.	C-6	1.25	31.75	2.00	50.80
227	1156NI		Auto, Amber (Natural)	G	12.80	2.100	26.88	32	1200	S.C. Bay.	C-6	1.25	31.75	1.80	45.72
228	1157		Auto ⁽¹⁾	G	12.80	2.1	26.88	32.00	1200	D.C. Index	C-6	1.25	31.75	2.00	50.80
229	1157A		Auto, Outside Coated Translucent Amber ⁽¹⁾	G	14.00	0.59	8.26	3.00	5000	D.C. Index	C-6	1.25	31.75	2.00	50.80
230	1157LL		Auto	G	12.80	2.1	26.88	32.00	2400	D.C. Index	C-6	1.25	31.75	2.00	50.80
231	1157NA		Auto, Amber (Natural)	G	14.00	0.59	8.26	2.2.00	5000	D.C. Index	C-6	1.25	31.75	2.00	50.80
232	1157NI		Auto	G	12.80	2.1	26.88	32.00	1200	D.C. Index	C-6	1.25	31.75	1.80	45.72
233	1158		Auto ⁽⁶⁾	G	14.00	0.59	8.26	3.00	5000	D.C. Index	C-6	1.25	31.75	1.80	45.72
234	1159		Auto ⁽¹⁾	G	6.40	2.63	16.83	21.00	200	D.C. Bay.	C-6	1.25	31.75	2.00	50.80
235	1168		Auto ⁽¹⁾	G	7.00	0.75	5.25	3.00	1000	D.C. Bay.	C-6	1.25	31.75	2.00	50.80
236	1176		Auto ⁽⁶⁾	G	12.80	1.600	20.48	21	1500	S.C. Bay.	C-6	1.25	31.75	2.00	50.80
237	1203		Auto ⁽¹⁾	G	12.80	1.430	18.30	21	500	D.C. Pref.	C-6	1.12	28.45	2.00	50.80
238	1204		Auto ⁽¹⁾	G	12.80	1.34	17.15	21.00	200	D.C. Bay.	C-6	1.25	31.75	2.00	50.80
239	1228		Marine ⁽⁶⁾	G	14.00	0.59	8.26	6.00	1500	D.C. Bay.	C-6	1.25	31.75	2.00	50.80
240	1229		Emergency Lighting	G	40.00	0.380	15.20	15	400	D.C. Bay.	C-2V	1.12	28.45	2.00	50.80
241	12496		Auto, Signal (PY21W)	G	12.00	1.750	21.00	1.8	150	Cand. Sc.	C-6	1.25	31.75	2.00	50.80
242	12498		Auto (P21W)	G	12.00	1.750	21.00	2.8	200	Cand. Sc.	C-6	1.25	31.75	2.00	50.80
243	12499		Auto (P21/5W)	G	12.00	1.75	21.00	1.7	250	Cand. Sc.	C-6	1.25	31.75	2.00	50.80
244	12502		Auto	G	.417	5.00			1500	Cand. Sc.	C-6	1.25	31.75	2.00	50.80
245	12505		Auto	G	12.00	1.75	21.00			BA15d	C-6	1.25	31.75	2.00	50.80
246	12594		Auto (P21/4W)	G	12.00	0.190	2.28	.12	300	Euro Mini W2x4.6d	C-2V	.787	20.00	0.57	14.50
247	1295		Auto	G	12.00	1.75	21.00			BAZ15d	C-6	1.25	31.75	2.00	50.80
248	1295NA		Signal	G	12.50	3.000	37.50	50	300	S.C. Bay.	C-2R	1.25	31.75	2.00	50.80
249	13498		Multi Purpose 24V	G	12.50	3.000	37.50	37	200	S.C. Bay.	C-2R	1.25	31.75	2.00	50.80
250	13499		Multi Purpose 24V	G	24.00	0.870	21.00	—	B3/Tc = 125/300	BA15s	C-6	1.25	31.75	2.00	50.80
251	13499		Multi Purpose 24V	G	24.00	.87	21.00	—		Cand. Sc.	C-6	1.25	31.75	2.00	50.80
				G	24.00	1.1	28.00	—	1500/150	BAY15d	C-6	1.25	31.75	2.00	50.80

(1) Base Pins approximately at right angles to plane of filament.
 (4) Entire bulb selected for minimum glass imperfections.
 (6) Base pins approximately parallel to plane of filament.
 (8) Glass parts only.

Bulb Family Listing

Note: Not all part numbers are available for purchase, but included for reference only.
Please contact customer service for part number availability at 1-800-257-6054.

Lamps

Bulb Family	Line No.	Lamp Trade No.	Primary Application	Vac (V) — Gas (G)	Design Volts	Design Amps	Design Watts	Approx. Candle Pwr.	Rated Avg. Life, Hours	Base	Filament Type	Light Center Length		Max Overall Length	
												IN	MM	IN	MM

S-8 — Approx. 1" (25.4mm) Diameter — Burning Position: Any, Except as Noted

252	1376	Auto ⁽⁶⁾	G	12.80 14.00	1.6 0.64	20.48 8.96	21.00 6.00	1500 2000	D.C. Bay.	C-6 C-6	1.25	31.75	2.00	50.80
253	1460	Instrument Medical	G	6.50	2.750	17.88	23	100	D.C. Pref. ⁽¹⁴⁾	C-6	1.25	31.75	2.00	50.80
254	1460X	Microscope, Silver Contacts	G	6.50	2.750	17.88	23	100	D.C. Pref.	C-6	1.25	31.75	2.00	50.80
255	1468	Medical Instrument, Burning Position Base Up to Horiz. ⁽⁴⁾	G	6.00	4.500	27.00	30	500	D.C. Pref.	C-2R	1.25	31.75	2.00	50.80
256	1468X	Medical Instrument, Burning Position Base Up to Horiz.	G	6.00	4.500	27.00	30	500	D.C. Pref.	C-2R	1.25	31.75	2.00	50.80
257	1492	Instrument	—	2.50	1.500	3.75	—	15	D.C. Bay.	S-2	0.94	23.88	2.00	50.80
258	1493	Instrument, Microscope Illuminator ⁽⁵⁾⁽⁶⁾	G	6.50	2.750	17.88	23	100	D.C. Bay.	C-6	1.13	28.70	2.00	50.80
259	1563	Military Headlamp, Blackout	G	28.00	0.760	21.28	21	1000	S.C. Bay.	CC-6	1.12	28.45	2.00	50.80
260	1565	Instrument, Photoelectric Scanner ⁽⁷⁾	G	5.10	1.750	8.93	4.8	5000	S.C. Pref.	C-81	1.00	25.40	2.00	50.80
261	1591	Auto	G	28.00	0.610	17.08	15	1000	S.C. Bay.	C-2V	1.12	28.45	2.00	50.80
262	1591AF	Aviation, All Frosted	G	28.00	0.610	17.08	—	1000	S.C. Bay.	C-2V	—	—	2.00	50.80
263	1594	Instrument, Microscope Base Down to Horiz. ⁽⁴⁾	G	6.00	5.000	30.00	36	250	D.C. Bay.	C-6	1.25	31.75	2.00	50.80
264	1605	Instrument	—	6.40	2.690	17.22	21	200	S.C. Bay.	C-2V	1.25	31.75	2.00	50.80
265	1612	Instrument (LCL & Actual Alignment tolerance +3/64" ⁽⁴⁾	G	5.40	1.860	10.04	10	1000	D.C.	C-6	1.25	31.75	2.00	50.80
266	1619	Instrument ⁽⁵⁾⁽⁶⁾	G	6.70	1.900	12.63	15	500	S.C. Bay.	C-6	1.13	28.70	2.00	50.80
267	1630	Instrument, Microscope Illuminator ⁽⁵⁾	G	6.50	2.750	17.88	23	100	D.C. Pref. ⁽¹⁴⁾	C-6	1.00	25.40	2.00	50.80
268	1630X	Microscope Illuminator, Selected Bulb Top, High Temperature Collar Solder, Nickel Plated Base	G	6.50	2.750	17.88	23	100	D.C. Pref. ⁽¹⁴⁾	C-6	1.00	25.40	2.00	50.80
269	1631X	Instrument, Colorimeter, Silver Plated Brass Contact Soldered to Each Brass Eyelet, Selected Bulb Top, High Temp. Collar Solder, Nickel Plated Base	G	6.50	2.750	17.88	23	100	D.C. Pref. ⁽¹⁴⁾	C-6	1.00	25.40	2.00	50.80
270	1634	Instrument, Microscope Illuminator Burn Base Up to Horiz. ⁽⁴⁾	G	20.00	1.000	20.00	24	200	D.C. Pref.	CC-6	1.25	31.75	2.00	50.80
271	1638	Marine, Two Identical Fil. in Series	G	28.00	1.020	28.56	32	500	D.C. Bay.	2C-6	1.25	31.75	2.00	50.80
272	1648	Indicator, Brass Contact Soldered to Each Base Eyelet ⁽⁶⁾	G	8.00	2.100	16.80	21	200	D.C. Bay.	C-2R	1.25	31.75	2.00	50.80
273	1649	Instrument, Microscope Illuminator Rect. Shaped Fil. ⁽⁴⁾	G	6.50	2.750	17.88	23	100	D.C. Pref.	FC-6Z	1.25	31.75	2.00	50.80
274	1651	Hand Lantern - 4 F Cells or 8 F Cells in Series Parallel ⁽¹⁾	G	5.00	0.600	3.00	3	20	S.C. Bay.	C-2R	1.13	28.70	2.00	50.80
275	1651IF	Hand Lantern - 4 F Cells or 8 F Cells in Series Parallel, Inside Frosted ⁽¹⁾	G	5.00	0.600	3.00	—	20	S.C. Bay.	C-6	1.13	28.70	2.00	50.80
276	1662	Construction Equipment ⁽¹⁾⁽²⁰⁾	G	28.00 28.00	.93 .34	26.0 9.5	32.00 6.00	400 1000	D.C. Index	CC-6 C-2V	1.25	31.75	2.00	50.80
277	1665	Aviation	G	28.00	0.800	22.40	21	1000	S.C. Bay.	C-2V	1.13	28.70	2.00	50.80
278	1665AF	Aviation, All Frosted	G	28.00	0.800	22.40	—	1000	S.C. Bay.	C-2V	—	—	2.00	50.80
279	1665IF	Aviation, Inside Frosted	G	28.00	0.800	22.40	—	1000	S.C. Bay.	C-2V	—	—	2.00	50.80
280	1666	Aviation, Both Fil. Offset ⁽¹⁾	G	28.00 28.00	.63 .63	17.64 17.64	21.00 21.00	300 300	D.C. Bay.	CC-6 CC-6	1.25	31.75	2.00	50.80
281	1676	Indicator, Subway Door	V	45.50	0.220	10.00	7.6	1000	D.C. Bay.	C-13	1.13	28.70	2.00	50.80
282	1680	Aviation	G	6.00	4.100	24.60	32	300	S.C. Bay.	C-6	1.25	31.75	2.00	50.80
283	1680X	Aviation, Solid Silver Contact	G	6.00	4.100	24.60	32	300	S.C. Bay.	C-6	1.25	31.75	2.00	50.80

(1) Base Pins approximately at right angles to plane of filament.
 (4) Entire bulb selected for minimum glass imperfections.
 (5) Bulb top selected for minimum glass imperfections.
 (6) Base pins approximately parallel to plane of filament.
 (7) Life tests are conducted using DC voltage.

(14) Dimension: bottom of base contact to the bottom of the collar is .406".
 (20) Filament wiring reverse to 1157.

Lamps

Note: Not all part numbers are available for purchase, but included for reference only.
Please contact customer service for part number availability at 1-800-257-6054.

Bulb Family Listing

Bulb Family	Line No.	Lamp Trade No.	Primary Application	Vac (V) — Gas (G)	Design Volts	Design Amps	Design Watts	Approx. Candle Pwr.	Rated Avg. Life, Hours	Base	Filament Type	Light Center Length		Max Overall Length	
												IN	MM	IN	MM

S-8 — Approx. 1" (25.4mm) Diameter — Burning Position: Any, Except as Noted

284	1683		Auto and Aviation, Two Identical Fil.in Series, Base Down to Horiz. ⁽¹⁾	G	28.00	1.020	28.56	32	500	S.C. Bay.	2C-2R	1.25	31.75	2.00	50.80
285	1691		Auto, Two Identical Fil. in Series ⁽¹⁾	G	28.00	0.610	17.08	15	1000	S.C. Bay.	2C-2R	1.13	28.70	2.00	50.80
286	1691AF		Aviation, All Frosted, Two Identical Fil. in Series	G	28.00	0.610	17.08	15	1000	S.C. Bay.	2C-6	—	—	2.00	50.80
287	1691IF		Aviation, Inside Frosted, Two Identical Fil. in Series	G	28.00	0.610	17.08	—	1000	S.C. Bay.	2C-2R	—	—	2.00	50.80
288	1692		Marine, Two Identical Fil. in Series ⁽¹⁾	G	28.00	0.610	17.08	15	1000	D.C. Bay.	2C-2R	1.13	28.70	2.00	50.80
289	1696		Marine ⁽¹⁾	G	28.00	0.420	11.70	10	500	D.C. Bay.	C-2V	1.25	31.75	2.00	50.80
290	1777		Aviation, Tail Light	G	12.80	1.520	19.46	26	400	S.C. Bay.	C-2R	1.12	28.45	2.00	50.80
291	198		Auto ⁽¹⁾	G	12.80 14.00	2.25 .68	28.8 9.52	32.00 3.00	1200 5000	D.C. Index	C-6 C-6	1.25	31.75	2.00	50.80
292	199		Auto ⁽¹⁾	G	12.80	2.250	28.80	32	1200	S.C. Bay.	C-6	1.25	31.75	2.00	50.80
293	2031		Auto	G	12.80	1.140	14.59	21	500	Wire Term.	C-6	—	—	1.75	44.45
294	2057		Auto ⁽¹⁾	G	12.80 14.00	2.1 .48	26.88 6.72	32.00 2.00	1200 5000	D.C. Index	C-6 C-6	1.25	31.75	2.00	50.80
295	2057LL		Auto ⁽¹⁾	G	12.80 14.00	2.1 .48	26.88 6.72	32.00 2.00	2400 10000	D.C. Index	C-6 C-6	1.25	31.75	2.00	50.80
296	2057NA		Auto ⁽¹⁾	G	12.80 14.00	2.1 .48	26.88 6.72	24.00 1.50	1200 5000	D.C. Index	C-6 C-6	1.25	31.75	2.00	50.80
297	2058U		Auto	G	12.80 14.00	2.1 .48	26.88 6.72	32.00 2.00	1200 5000	Wire Term.	C-6 C-6	—	—	1.81	45.97
298	2144		Auto	G	12.80	2.100	26.88	32	600	Wire Term.	C-6	—	—	1.75	44.45
299	2155		Auto	G	28.00 28.00	.93 .34	26.04 9.52	32.00 6.00	400 1000	Wire Term.	CC-6 C-2V	—	—	1.75	44.45
300	2232		Aviation, Spiral Leads	G	28.00	0.640	18.00	18	2000	S.C. Bay.	CC-8	1.19	30.23	2.00	50.80
301	2232SB		Aviation, Spiral Lead, Top of Bulb Reflectorized	G	28.00	0.643	18.00	—	2000	S.C. Bay.	CC-8	1.19	30.23	2.00	50.80
302	2233		Aviation	G	28.00	0.760	21.28	21	2000	S.C. Bay.	CC-8	1.19	30.23	2.00	50.80
303	2242		Auto 1" Leads	G	12.80	—	—	—	—	—	—	—	—	—	—
304	2357		Auto ⁽¹⁾	G	12.80 14.00	2.23 .59	28.54 8.26	40.00 3.00	400 5000	D.C. Index	C-6 C-6	1.25	31.75	2.00	50.80
305	2357NA		Auto, Amber (Natural) ⁽¹⁾	G	12.80 4.00	2.23 0.59	28.54 8.26	30.00 2.2.00	400 5000	D.C. Index	C-6 C-6	1.25	31.75	2.00	50.80
306	2396		Auto	G	12.80	2.230	28.54	40	400	S.C. Bay.	C-6	1.25	31.75	2.00	50.80
307	2397		Auto	G	12.80 14.00	2.23 .48	28.54 6.72	40.00 2.00	400 5000	D.C. Index	C-6 C-6	1.25	31.75	2.00	50.80
308	3015			—	5.50 5.50	2.1 0.86	11.55 4.73	14.00 3.60	75 200	D.C. Bay.	C-8Z C-12	1.25	31.75	1.80	45.00
309	3047K		Auto	G	12.80 14.00	1.59 .48	20.00 6.72	21.00 2.00	2000 10000	D.C. Pl. Wedge	C-6 C-6	—	—	2.09	53.10
310	305		Aviation ⁽¹⁾	G	28.00	0.510	14.28	15	300	S.C. Bay.	C-2V	1.13	28.70	2.00	50.80
311	3057		Auto, Replaces 2358 & 2457	G	12.80 14.00	2.1 .48	26.88 6.72	32.00 2.00	1200 5000	D.C. Pl. Wedge	C-6 C-6	1.13	28.70	2.13	54.10
312	3057K			G	12.80 14.00	2.1 .48	26.88 6.72	32.00 2.00	2000 10000	D.C. Pl. Wedge	C-6 C-6	1.10	27.94	1.70	43.18
313	3057NA		Auto, Replaces 2358NA & 2457NA	G	12.80 14.00	2.1 .48	26.88 6.72	24.00 1.50	1200 5000	D.C. Pl. Wedge	C-6 C-6	1.13	28.70	2.13	54.10
314	3057NA/K			G	12.80 14.00	2.1 .59	26.88 8.26	24.00 1.50	2000 10000	D.C. Pl. Wedge	C-6 C-6	1.10	27.94	1.70	43.18
315	305AF		Aviation, All Frosted	G	28.00	0.510	14.28	—	300	S.C. Bay.	C-2V	—	—	2.00	50.80
316	305IF		Aviation, Inside Frosted	G	28.00	0.510	14.28	—	300	S.C. Bay.	C-2V	—	—	2.00	50.80
317	306		Aviation ⁽¹⁾	G	28.00	0.510	14.28	15	300	D.C. Bay.	C-2V	1.13	28.70	2.00	50.80
318	307		Aviation ⁽¹⁾	G	28.00	0.670	18.48	21	300	S.C. Bay.	C-2V	1.13	28.70	2.00	50.80
319	307AF		Aviation, All Frosted	G	28.00	0.670	18.76	—	300	S.C. Bay.	C-2V	—	—	2.00	50.80

(1) Base Pins approximately at right angles to plane of filament.

Bulb Family Listing

Note: Not all part numbers are available for purchase, but included for reference only. Please contact customer service for part number availability at 1-800-257-6054.

Lamps

Bulb Family	Line No.	Lamp Trade No.	Primary Application	Vac (V) — Gas (G)	Design Volts	Design Amps	Design Watts	Approx. Candle Pwr.	Rated Avg. Life, Hours	Base	Filament Type	Light Center Length		Max Overall Length	
												IN	MM	IN	MM

S-8 — Approx. 1" (25.4mm) Diameter — Burning Position: Any, Except as Noted

320	307IF	Aviation, Inside Frosted	G	28.00	0.670	18.48	—	300	S.C. Bay.	C-2V	—	—	2.00	50.80
321	307R	Aviation, Outside Coated Red	G	28.00	0.670	18.76	—	300	S.C. Bay.	C-2V	—	—	2.00	50.80
322	307SB	Aviation, Reflectorized bowl	G	28.00	0.670	18.76	—	300	S.C. Bay.	C-2V	1.12	28.45	2.00	50.80
323	308	Aviation ⁽¹⁾	G	28.00	0.670	18.48	21	300	D.C. Bay.	C-2V	1.13	28.70	2.00	50.80
324	308AF	Aviation, All Frosted	G	28.00	0.670	18.76	—	300	D.C. Bay.	C-2V	—	—	2.00	50.80
325	308IF	Aviation, Inside Frosted	G	28.00	0.670	18.48	—	300	D.C. Bay.	C-2V	—	—	2.00	50.80
326	315	Aviation	G	28.00	0.900	25.20	32	300	S.C. Bay.	C-2V	1.13	28.70	2.00	50.80
327	3155	Auto, Replaces 2355 & 2455	G	12.80	1.600	20.50	21	1500	S.C. Pl. Wedge	C-6	1.13	28.70	2.13	54.10
328	3156	Auto, Replaces 2356 & 2456	G	12.80	2.100	26.88	32	1200	S.C. Pl. Wedge	C-6	1.13	28.70	2.13	54.10
329	3156K		G	12.80	2.100	26.88	2000	2000	S.C. Pl. Wedge	C-6	1.10	27.94	1.70	43.18
330	3156NA	Auto, Amber (Natural)	G	12.80	2.100	26.88	24	1200	S.C. Pl. Wedge	C-6	1.10	27.94	2.12	53.85
331	3157	Auto, Replaces 2359 & 2458	G	12.80 14.00	2.1 .59	26.88 8.26	32.00 3.00	1200 5000	D.C. Pl. Wedge	C-6 C-6	1.10	28.70	2.13	54.10
332	3157K		G	12.80 14.00	2.1 .59	26.88 8.26	32.00 3.00	2000 10000	D.C. Pl. Wedge	C-6 C-6	1.10	27.94	1.70	43.18
333	3157NA	Auto, Replaces 2359NA & 2458NA	G	12.80 14.00	2.1 .59	26.88 8.26	24.00 2.20	1200 5000	D.C. Pl. Wedge	C-6 C-6	1.13	28.70	2.13	54.18
334	3157NA/K		G	12.80 14.00	2.1 .59	26.88 8.26	24.00 2.20	2000 10000	D.C. Pl. Wedge	C-6 C-6	1.10	27.94	1.70	43.18
335	3357	Auto	G	12.80 14.00	2.23 .59	28.54 8.26	40.00 3.00	400 5000	D.C. Pl. Wedge	C-6 C-6	1.10	27.94	2.09	53.09
336	3357K		G	12.80 14.00	2.23 .59	28.54 8.26	40.00 3.00	800 10000	D.C. Pl. Wedge	C-6 C-6	1.10	27.94	1.70	43.18
337	3357NA	Auto, Amber (Natural)	G	12.80 14.00	2.23 .59	28.54 8.26	30.00 2.20	400 5000	D.C. Pl. Wedge	C-6 C-6	1.10	27.94	2.09	53.09
338	3357NA/K		G	12.80 14.00	2.23 .59	28.54 8.26	30.00 2.20	800 10000	D.C. Pl. Wedge	C-6 C-6	1.10	27.94	1.70	43.18
339	3456	Auto, Signal	G	12.80	2.110	27.00	3.2	2000	D.C. Pl. Wedge	C-6	1.10	27.94	1.70	43.18
340	3457	Auto	G	12.80 14.00	2.23 .59	28.54 8.26	30.00 2.20	400 5000	D.C. Pl. Wedge	C-6 C-6	1.10	27.94	1.70	43.18
341	3457NA		G	12.80 14.00	2.23 .59	28.54 8.26	30.00 2.20	400 5000	D.C. Pl. Wedge	C-6 C-6	1.10	27.94	1.70	43.18
342	3457NA/K		G	12.80 14.00	2.23 .59	28.54 8.26	30.00 2.20	800 10000	D.C. Pl. Wedge	C-6 C-6	1.10	27.94	1.70	43.18
343	3757NA	Auto, Signal	G	12.80 14.00	2.11 .59	26.9 8.26	32.00 3.00	1200 5000	Wedge, W2.1x16q	C-6	1.10	28.70	2.13	54.10
344	4114	Auto	G	14.00	2.23 .59	28.5 7.5	32 3	4000 10000	Wedge, W2.1x16q	C-6	1.10	28.70	2.13	54.10
345	4157K	Auto, Stop, Signal	G	12.80	2.23 .586	28.5 7.5	2.5	4000 10000	Wedge, W2.1x16q	C-6	1.10	28.70	2.13	54.10
346	4157NA	Auto, Signal	G	12.80	2.23 .586	28.5 7.6	.16	4000 10001	Wedge, W2.1x16q	C-6 C-6	1.10	28.70	2.13	54.10
347	6	Sewing Machine	G	6.40	3.000	19.20	23	500	D.C. Bay.	C-2R	1.25	31.75	2.00	50.80
348	705	Aviation	G	28.00	0.510	14.28	15	900	S.C. Bay.	CC-6	1.12	28.45	2.00	50.80
349	87	Auto ⁽¹⁾	G	6.80	1.910	13.00	15	300	S.C. Bay.	C-6	1.13	28.70	2.00	50.80
350	88	Auto and Marine ⁽¹⁾	G	6.80	1.910	13.00	15	300	D.C. Bay.	C-6	1.13	28.70	2.00	50.80
351	93	Auto ⁽¹⁾	G	12.80	1.040	13.31	15	700	S.C. Bay.	C-2R	1.13	28.70	2.00	50.80
352	94	Auto and Marine ⁽¹⁾	G	12.80	1.040	13.31	15	700	D.C. Bay.	C-6	1.13	28.70	2.00	50.80

T-0 3/4 — Approx. 3/32" (2.3mm) Diameter — Burning Position: Any

353	103	Auto, Indicator, Instrument	—	4.50	0.023	0.10	—	5500	Bi-Pin	C-2R	—	—	—	—
354	7153		—	5.00	0.115	0.58	.15	40000	Wire Term.	C-2R	—	—	0.19	4.83

T-1 1/4 — Approx. 5/32" (4mm) Diameter — Burning Position: Any

355	323	Aviation	V	3.00	0.190	0.57	.25	350	Special ⁽²⁴⁾	C-2R	0.18	4.57	0.55	13.97
356	737		—	28.00	0.050	1.40	.3	16000	Special Flng	C-2F	0.38	9.65	0.50	12.70

T-1 3/4 — Approx. 7/32" (5.5mm) Diameter — Burning Position: Any

357	12829	Auto	G	13.50	0.150	2.00	—	B3/Tc = 500/1000	BA7s	C-2V	—	—	0.75	19.05
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(1) Base Pins approximately at right angles to plane of filament.

(24) Light center length measured from open end of base to center of filament.

Bulb Family Listing

Note: Not all part numbers are available for purchase, but included for reference only.
Please contact customer service for part number availability at 1-800-257-6054.

Lamps

Bulb Family	Line No.	Lamp Trade No.	Primary Application	Vac (V) — Gas (G)	Design Volts	Design Amps	Design Watts	Approx. Candle Pwr.	Rated Avg. Life, Hours	Base	Filament Type	Light Center Length		Max Overall Length	
												IN	MM	IN	MM

T-1 3/4 — Approx. 7/32" (5.5mm) Diameter — Burning Position: Any

414	74		Auto	V	14.00	0.100	1.40	.7	500	Wedge, W2.1x4.6d	C-2F	0.40	10.16	0.80	20.32
415	79			—	6.00	0.200	1.20	.6	1000	Wedge, W2.1x4.6d	C-2R	0.40	10.16	0.80	20.32
416	85		Indicator	V	28.00	0.040	1.12	.3	7000 (2)	Wedge, W2.1x4.6d	C-2F	0.40	10.16	0.80	20.32
417	86		Indicator	V	6.30	0.200	1.26	.4	20000 (2)	Wedge, W2.1x4.6d (55)	C-2F	0.40	10.16	0.80	20.32
418	8918			—	14.00	0.100	1.40	.5	10000	S.C. Midget Flng	C-2F	0.38	9.65	0.63	16.00
419	EN1748		Instrument	—	2.50	0.400	1.00	—	3000	Wire Term.	C-2R	—	—	0.94	23.88
420	EN1748S		Instrument	—	2.50	0.400	1.00	—	3000	Wire Term.	C-2R	—	—	0.94	23.88
421	PC37		Auto	—	14.00	0.090	1.26	.5	2500	P.C. Socket	C-2F	0.32	8.13	0.84	21.34
422	PC74		Auto	V	14.00	0.100	1.40	.7	1000	P.C. Socket	C-2F	0.32	8.13	0.84	21.34
423	PC74S		Auto	V	14.00	0.100	1.40	.7	1000	P.C. Socket	C-2F	0.32	8.13	0.84	21.34

T-1 — Approx. 1/8" (3mm) Diameter — Burning Position: Any

424	682			—	5.00	0.060	0.30	.03	60000	Sub-Midget Flng	C-2R	0.19	4.83	0.38	9.65
425	6832			—	5.00	0.060	0.30	.05	25000	Wire Term.	C-2R	—	—	0.14	3.56
426	6838			—	28.00	0.025	0.70	.15	4000	Wire Term.	CC-2F	0.25	6.35	—	—
427	6839			—	28.00	0.025	0.70	.15	4000	Sub-Midget Flng	CC-2F	0.19	4.83	0.38	9.65
428	685		Aviation	V	5.00	0.060	0.30	.05	40000 (2)	Sub-Midget Flng	C-2R	0.19	4.83	0.38	9.65
429	715			—	5.00	0.115	0.58	.15	40000	Wire Term.	C-2R	—	—	0.25	6.35
430	7152			—	5.00	0.115	0.58	.15	40000	Wire Term.	C-2R	—	—	0.14	3.56
431	7154			—	5.00	0.115	0.58	.15	40000	Wire Term.	C-8	—	—	0.35	8.89
432	7715			—	5.00	0.115	0.58	.15	40000	Bi-Pin	C-2R	0.25	6.35	0.38	9.65
433	7839			—	28.00	0.025	0.70	.15	4000	Bi-Pin	CC-2F	0.25	6.35	0.38	9.65
434	8605		Auto, Instrument	—	5.00	0.017	0.09	—	10000	Sub-Midget Flng	C-2R	—	—	—	—

T-2 1/2 — Approx. 5/16" (7.9mm) Diameter — Burning Position: Any

435	120MB		Indicator	V	120.00	0.035	3.00	.36	10000	Min. Bay.	CC-7A	—	—	1.19	30.23
436	120MB/6			—	120.00	0.052	6.24	1.43	3000	Min. Bay.	CC-7A	0.95	24.13	1.19	30.23
437	12MB			—	12.00	0.170	2.04	.35	12000	Min. Bay.	C-2F	0.95	24.13	1.19	30.23
438	24MB			—	24.00	0.070	1.68	.5	10000	Min. Bay.	C-2F	0.95	24.13	1.19	30.23
439	28MB		Indicator	V	28.00	0.040	1.12	.29	5000	Min. Bay.	C-2F	—	—	1.19	30.23
440	48MB			V	48.00	0.050	2.40	.7	10000	Min. Bay.	C-7A	—	24.20	1.19	30.23
441	60MB		Indicator	V	60.00	0.050	3.00	.73	7500	Min. Bay.	C-7A	—	—	1.19	30.23
442	90MB			—	90.00	0.030	2.70	.37	5000	Min. Bay.	CC-7A	0.95	24.13	1.19	30.23

T-2 1/4 — Approx. 9/32" (7.1mm) Diameter — Burning Position: Any

443	118		Auto, Indicator, Instrument	—	14.40	0.120	1.73	.07	15000	Wedge, W2.1x9.5d	C-2V	—	—	—	—
444	118F			—	14.40	0.124	1.79	.07	5000	Wedge, W2.1x9.5d	C-2F	—	—	0.90	22.86
445	12516		Auto	G	12.00	0.100	1.20	—	B3/Tc = 750/2500	Euro Mini W2x4.6d	C-2V	0.02	0.55	0.79	20.00
446	12818		Auto	G	12.00	0.250	3.00	—	B3/Tc = 250/500	Dbl. Fest. Cap	C-8	—	—	1.06	27.00
447	13818		Multi Purpose 24V	G	24.00	0.125	3.00	—	B3/Tc = 250/500	Dbl. Fest. Cap	C-8	—	—	1.06	27.00
448	1990			—	12.00	1.000	12.00	20	150	Wedge, W2.1x9.5d	CC-6	0.39	9.91	0.81	20.57
449	1995			—	6.00	2.000	12.00	20	150	Wedge, W2.1x9.5d	C-6	0.39	9.91	0.81	20.57
450	1996			—	6.00	1.167	7.00	14	30	Wedge, W2.1x9.5d	C-6	0.39	9.91	0.81	20.57
451	1997			—	6.00	1.667	10.00	17	50	Wedge, W2.1x9.5d	C-6	0.39	9.91	0.81	20.57
452	2003			—	6.00	1.000	6.00	8	200	G4 Bi-Pin	C-6	0.77	19.56	1.18	29.97
453	2004			—	6.00	2.000	12.00	20	150	G4 Bi-Pin	C-6	0.77	19.56	1.18	29.97
454	2005			—	12.00	1.000	12.00	24	30	G4 Bi-Pin	CC-6	0.77	19.56	1.18	29.97
455	2008			—	6.00	1.667	10.00	17	50	G4 Bi-Pin	C-6	0.77	19.56	1.18	29.97
456	2009			—	6.00	1.167	7.00	14	30	G4 Bi-Pin	C-6	0.77	19.56	1.18	29.97
457	2011			—	12.00	1.000	12.00	20	150	G4 Bi-Pin	CC-6	0.77	19.56	1.18	29.97
458	2033		Auto, Halogen	G	13.50	0.220	3.00	2.5	2000	P.C. Socket	CC-6	0.40	10.16	1.12	28.45
459	2040		Auto	G	12.80	0.625	8.00	10.5	150 (3)	Wedge, W2.1x9.5d	C-6	0.40	10.16	1.26	32.00
460	2047			—	4.00	1.000	4.00	4.25	400	G4 Bi-Pin	C-6	0.77	19.56	1.18	29.97
461	2080			—	12.00	1.000	12.00	24	30	Wedge, W2.1x9.5d	CC-6	0.39	9.91	0.81	20.57

(2) Life shown is AC voltage. DC life is estimated to be half of AC life.

(3) At 14.0 volts.

(55) Subminiature wedge base lamps less than 12 volts use copper outer lead wires to reduce contact resistance in lieu of corrosion resistance in extreme environments.

Lamps

Note: Not all part numbers are available for purchase, but included for reference only.
Please contact customer service for part number availability at 1-800-257-6054.

Bulb Family Listing

Bulb Family	Line No.	Lamp Trade No.	Primary Application	Vac (V) — Gas (G)	Design Volts	Design Amps	Design Watts	Approx. Candle Pwr.	Rated Avg. Life, Hours	Base	Filament Type	Light Center Length		Max Overall Length	
												IN	MM	IN	MM

T-2 ¼ — Approx. 9/32" (7.1mm) Diameter — Burning Position: Any

462	767	Instrument, Halogen	G	6.00	2.000	12.00	19	50 ⁽¹⁵⁾	Min. Bay.	C-6	0.56	14.22	1.13	28.70
463	774	Emergency Lighting, Halogen	G	12.00	0.670	8.04	13	50	G4 Bi-Pin	C-6	0.77	19.56	1.00	25.40
464	777	Flashlight- Halogen	G	4.00	1.200	4.80	5.5	275	G4 Bi-Pin	C-6	0.77	19.56	1.00	25.40
465	783	Emergency Lighting, Halogen	G	12.00	1.000	12.00	22	50	G4 Bi-Pin	C-6	0.77	19.56	1.00	25.40
466	784	Emergency Lighting, Halogen	G	6.00	1.000	6.00	9	50	G4 Bi-Pin	C-6	0.77	19.56	1.00	25.40
467	785	Emergency Lighting, Halogen	G	6.00	1.330	7.98	13	50	G4 Bi-Pin	C-6	0.77	19.56	1.00	25.40
468	786	Emergency Lighting, Halogen	G	6.00	2.000	12.00	19	50	G4 Bi-Pin	C-6	0.77	19.56	1.00	25.40
469	787	Instrument, Halogen	G	6.00	1.670	10.02	16	100	G4 Bi-Pin	C-6	0.77	19.56	1.00	25.40
470	788	Instrument, Halogen	G	6.00	3.330	19.98	32	100	G4 Bi-Pin	C-6	0.77	19.56	1.00	25.40
471	882X	Auto, Halogen	G	12.80	0.350	4.48	3.8	2000	G4 Bi-Pin	C-6	0.77	19.56	1.00	25.40
472	891	Auto, Halogen	G	12.80	0.630	8.00	11	500	G4 Bi-Pin	C-6	0.77	19.56	1.25	31.75
473	936	Auto	—	14.40	0.120	1.73	1	2000	Wedge, W2.1x9.5d	C-2V	0.45	11.43	0.90	22.86
474	PC118	Auto	—	14.00	0.120	1.68	.7	4000	P.C. Socket	C-2V	0.41	10.41	0.98	24.89
475	PC119	Auto	—	14.00	0.150	2.10	1.2	3000	P.C. Socket	C-2V	0.41	10.41	0.98	24.89
476	PC882	Auto, Halogen	G	12.80	0.350	4.50	3.8	2000	P.C. Socket	C-6	0.37	9.40	1.25	31.75

T-2 ¾ — Approx. 11/32" (8.7mm) Diameter — Burning Position: Any

477	12036 (H6W)	Auto, Signal Halogen	G	13.50	0.440	6.00	10	B3/Tc = 350/700	BAX9s	C-6	0.59	15.00	1.33	33.90
478	12356 (H21W)	Auto, Signal Halogen	G	13.50	1.550	21.00	47	B3/ Tc(13.5V) = 250/500	BAY9s	C-6	0.59	15.00	1.33	33.90
479	24	Auto	V	14.00	0.240	3.36	2	1500	Wedge, W2.1x9.5d	C-2V	0.43	10.92	0.86	21.84
480	24NA	Auto	V	14.00	0.240	3.36	2	1500	Wedge, W2.1x9.5d	C-2V	0.43	10.92	0.86	21.94
481	773	Special Service, Halogen	G	12.00	0.670	8.04	10	1000 ⁽¹⁵⁾	G4 Bi-Pin	C-6	0.77	19.56	1.05	26.67
482	778	Instrument, Halogen, High Temp. Fixtures	—	6.00	3.330	19.98	32	100	G4 Bi-Pin	C-6	0.77	19.56	1.05	26.67
483	780	Strip Light, Halogen	G	12.00	0.833	10.00	12	2000	G4 Bi-Pin	C-6	0.77	19.56	1.05	26.67
484	782	Special Service, Halogen	G	12.00	1.660	19.92	25	2000	G4 Bi-Pin	C-6	0.77	19.56	1.05	26.67
485	789	Instrument, Halogen	G	12.00	1.170	14.04	22	200	G4 Bi-Pin	C-6	0.77	19.56	1.05	26.67
486	790	Instrument, Halogen	G	14.00	1.790	25.06	42	200	G4 Bi-Pin	C-6	0.77	19.56	1.05	26.67
487	791	Instrument, Halogen	G	14.00	2.500	35.00	61	200	G4 Bi-Pin	C-6	0.77	19.56	1.05	26.67
488	794	Special Service, Halogen	G	10.50	1.500	15.75	15	5000	G4 Bi-Pin	C-6	0.77	19.56	1.05	26.67
489	DE3021	Auto	G	12.00	0.250	3.00	2	300	Dbl. Fest. Cap	C-8	—	—	1.61	41.00
490	DE3022	Auto	G	12.00	0.420	5.00	3	300	Dbl. Fest. Cap	C-8	—	—	1.61	41.00

T-3 ¼ — Approx. 13/32" (10.3mm) Diameter — Burning Position: Any

491	.193	Auto, 9/16" Leads Up	V	14.00	0.330	4.62	2	15000	Wire Term. ⁽¹⁶⁾	C-2F	—	—	1.06	26.92
492	12256	Auto (W3W)	G	12.00	0.250	3.00	3	200	Wedge, W2.1x9.5d	C2V	0.50	12.70	1.22	31.00
493	12256 (W3W)	Auto	G	12.00	0.250	3.00	3	200	Wedge, W2.1x9.5d	C2V	0.50	12.70	1.22	31.00
494	12396NA	Auto (WY5W)	G	12.00	0.417	5.00	2.30	200	Wedge, W2.1x9.5d	C-2F	0.56	14.22	1.06	26.92
495	124	Auto, Vanity	V	14.00	0.270	3.78	1.5	5000	Wedge, W2.1x9.5d	C-2F	0.56	14.22	1.06	26.92
496	124E	Side Marker	V	14.00	0.270	3.80	1.5	5000	Wire Term.	C-2F	0.56	14.22	1.06	26.92
497	127	Toy and Indicator	V	2.47	0.275	0.68	.48	30	Wedge, W2.1x9.5d	C-2R	0.65	16.51	1.06	26.92
498	12844	Auto (W5W)	G	12.00	0.417	5.00	2.9	300	Dbl. Fest. Cap	C-8	—	—	1.46	38.00
499	12864	Auto	G	12.00	0.417	5.00	2.9	300	Dbl. Fest. Cap	C-8	—	—	1.77	45.00
500	12913	Auto	G	12.00	0.170	2.00	—	B3/Tc = 1000/1600	BA9s	C-2V	0.51	13.00	0.98	25.00
501	12961	Auto	G	12.00	0.417	5.00	.32	200	Wedge, W2.1x9.5d	C-2R	0.50	12.70	1.06	27.00
502	1302	Radio	V	6.30	0.040	0.25	.08	5000	Min. Bay.	C-6	0.75	19.05	1.19	30.23
503	13256	Multi Purpose 24V	G	24.00	0.170	4.00	—	B3/Tc = 400/3000	Wedge, W2.1x9.5d	C2V	0.50	12.70	1.22	31.00
504	13844	Multi Purpose 24V	G	24.00	2.910	7.00	3.6	B3/Tc = 350/875	Dbl. Fest. Cap	C-8	—	—	1.46	38.00
505	13866	Multi Purpose 24V	G	24.00	0.420	10.00	3.4	B3/Tc = 400/1000	Dbl. Fest. Cap	C-8	—	—	1.61	
506	13913	Multi Purpose 24V	G	24.00	0.083	2.00	—	B3/Tc = 1000/1600	BA9s	C-2V	0.51	13.00	0.98	25.00

(15) Based on limited test information.

(16) This lamp has wire terminals. Use extreme care when soldering or welding this lamp as leaks and glass cracks may develop. Lamps should be stored in a cool dry place. Do not keep lamps in storage for more than 6 months.

Bulb Family Listing

Note: Not all part numbers are available for purchase, but included for reference only.
Please contact customer service for part number availability at 1-800-257-6054.

Lamps

Bulb Family	Line No.	Lamp Trade No.	Primary Application	Vac (V) — Gas (G)	Design Volts	Design Amps	Design Watts	Approx. Candle Pwr.	Rated Avg. Life, Hours	Base	Filament Type	Light Center Length		Max Overall Length	
												IN	MM	IN	MM

T-3 ¼ — Approx. 13/32" (10.3mm) Diameter — Burning Position: Any

622	893X	Auto, Halogen (10)	G	12.80	2.930	37.50	75	200 (3)	200	Axial	C-6	1.25	31.75	2.68	68.07
623	894	Tractor	G	12.80	2.930	37.50	75	200 (3)	200	Rt. Angle	C-6	1.25	31.75	2.68	68.07
624	896	Auto, Halogen (10)	G	12.80	2.930	37.50	75	200 (3)	200	Rt. Angle	C-6	1.25	31.75	2.68	68.07
625	898	Auto, Halogen (10)	G	12.80	2.930	37.50	60	200 (3)	200	Rt. Angle	C-6	1.25	31.75	2.68	68.07
626	899	Auto, Halogen (10)	G	12.80	2.930	37.50	60	2000 (3)	2000	Axial	C-6	1.25	31.75	2.68	68.07
627	DE3175	Auto	G	12.00	0.833	10.00	9.20	300	300	Dbl. Fest. Cap	C-8	—	—	1.61	41.00
628	DE3423	Auto	G	12.00	0.420	5.00	.48	300	300	Dbl. Fest. Cap	C-8	—	—	1.61	41.00
629	DE3425	Auto	G	12.00	0.420	5.00	.92	300	300	Dbl. Fest. Cap	C-8	—	—	1.61	41.00
630	PC158	Instrument	V	14.00	0.240	3.36	2	500	500	P.C. Socket	C-2F	0.45	11.43	1.11	28.19
631	PC160	Auto	—	14.00	0.190	2.66	.9	25000	25000	P.C. Socket	C-2F	0.45	11.43	1.11	28.19
632	PC161	Auto	V	14.00	0.190	2.66	1	4000	4000	P.C. Socket	C-2F	0.45	11.43	1.11	28.19
633	PC168	Auto	V	14.00	0.350	4.90	3	1500	1500	P.C. Socket	C-2F	0.45	11.43	1.11	28.19
634	PC168B	Auto, Blue	V	14.00	0.350	4.90	—	1500	1500	P.C. Socket	C-2F	0.45	11.43	1.11	28.19
635	PC175	Auto	—	14.00	0.580	8.12	5	1000	1000	P.C. Socket	C-2F	0.45	11.43	1.11	28.19
636	PC194	Auto	V	14.00	0.270	3.78	2	2500	2500	P.C. Socket	C-2F	0.45	11.43	1.11	28.19
637	PC194B	Auto, Blue	V	14.00	0.270	3.78	—	2500	2500	P.C. Socket	C-2F	0.45	11.43	1.11	28.19
638	PC194B3	Auto, White Blue	V	14.00	0.270	3.78	—	2500	2500	P.C. Socket	C-2F	0.45	11.43	1.11	28.19
639	PC194G	Auto, Green	V	14.00	0.270	3.78	—	2500	2500	P.C. Socket	C-2F	0.45	11.43	1.11	28.19
640	PC194R	Auto, Red	V	14.00	0.270	3.78	—	2500	2500	P.C. Socket	C-2F	0.45	11.43	1.11	28.19
641	PC195	Auto	—	14.00	0.270	3.78	1.8	12000	12000	P.C. Socket	C-2F	0.45	11.43	1.11	28.19
642	PC579	Auto	G	14.00	0.620	9.00	9	—	—	P.C. Socket	C-2F	0.45	11.43	1.11	28.19

T-3 ¾

643	2173	Indicator	—	14.00	0.270	3.78	1.5	5000	5000	Wire Term.	C-2F	—	—	1.06	26.92
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T-3 — Approx. 3/8" (10.0mm) Diameter — Burning Position: Any

644	1474	Indicator	V	14.00	0.170	2.38	1.7	250	250	Min. Sc.	C-2V	0.81	20.57	1.25	31.75
645	1477	Indicator	V	24.00	0.170	4.08	3.3	250	250	Min. Sc.	C-2V	0.81	20.57	1.25	31.75
646	1946	Aviation, Halogen	G	28.00	8.929	250.00	660	50	50	Wire Term.	CC-6	0.87	22.10	1.46	37.08
647	1956	Aviation, Halogen	G	28.00	7.143	200.00	525	50	50	Wire Term.	CC-6	0.87	22.10	1.46	37.08
648	1962B	Special Service, Halogen, 9" Insulated Leads Horiz.	G	8.50	7.294	62.00	110	50	50	Wire Term.	C-6	0.28	7.11	1.14	28.96
649	1962BG	Aviation, Halogen	G	8.50	7.294	62.00	110	50	50	Wire Term.	C-6	0.28	7.11	—	—
650	1962DX	Special Service, Halogen, 4" Bare Leads Down	G	8.50	7.294	62.00	80	150	150	Wire Term.	C-6	0.29	7.37	1.14	28.96
651	1962DZ	Special Service, Halogen, 12" Insulated Leads Down	G	8.50	7.294	62.00	80	150	150	Wire Term.	C-6	0.28	7.11	1.20	30.48
652	1962TY	Medical, Halogen, 7 ¾" Leads Horiz.	G	8.50	7.294	62.00	110	50	50	Wire Term.	C-6	0.29	7.37	—	—
653	1967	Aviation, Halogen	G	28.00	5.357	150.00	210	1000	1000	Special Sleeve	CC-8	—	—	2.25	57.15
654	1968	Aviation, Halogen, Gunsight	G	28.00	0.893	25.00	15	500	500	Dbl. Slide	C-2V	0.41	10.41	1.17	29.72
655	1970	Aviation, Halogen	G	28.00	3.571	100.00	150	1000	1000	Special Sleeve	CC-8	—	—	2.25	57.15
656	1970X	Aviation, Halogen	—	28.00	3.571	100.00	140	1000 (15)	1000	Special Sleeve	CC-8	—	—	2.25	57.15
657	1974	Instrument, Halogen, 3" Bare Leads Horiz.	G	6.00	3.333	20.00	10	10000	10000	Wire Term.	C-6	—	—	1.14	28.96
658	1976	Aviation, Halogen	G	13.00	5.769	75.00	115	400	400	Dbl. Slide	C-6	0.56	14.22	1.30	33.02
659	1977	Special Service, Halogen	G	8.50	7.294	62.00	110	50	50	Dbl. Slide	C-6	0.44	11.18	1.14	28.96
660	1978X	Aviation, Halogen, Navigation	G	10.00	10.00	100.00	130	2000	2000	Special	C-8	—	—	2.15	54.61
661	1982	Aviation, Halogen, Navigation	G	28.00	2.679	75.00	110	1000	1000	S.C. Bay.	CC-8	1.06	26.92	1.88	47.75
662	1982SP	Aviation, Halogen	G	28.00	2.679	75.00	107	2000	2000	S.C. Bay.	CC-6	1.00	25.40	1.97	50.04
663	1988	Aviation, Halogen, Gunsight	G	10.00	10.00	100.00	130	2000	2000	Special	C-8	—	—	2.15	54.61
664	2074	Instrument, Halogen	G	7.00	3.571	25.00	24	2700	2700	Wire Term.	C-6	0.28	7.11	1.14	28.96
665	211-2	Auto	G	12.80	0.970	12.42	12	1000	1000	Dbl. End Cap	C-8	—	—	1.72	43.69
666	212-2	Auto	G	13.50	0.740	10.00	6	5000	5000	Dbl. End Cap	C-8	—	—	1.72	43.69
667	214-2	Auto	G	13.50	0.520	7.02	4	2000	2000	Dbl. End Cap	C-8	—	—	1.72	43.69
668	2556	Aviation, Halogen	G	28.00	7.143	200.00	525	50	50	Bi-Pin	CC-6	0.87	22.10	1.46	37.08
669	560	Auto	—	14.00	0.440	6.16	2	7500	7500	Dbl. End Cap	C-8	—	—	1.72	43.69
670	561	Auto	G	12.80	0.970	12.41	12	1000	1000	Rigid Loop	C-8	—	—	1.72	43.69
671	562	Auto	G	13.50	0.740	10.00	6	2000 (3)	2000	Rigid Loop	C-8	—	—	1.72	43.69
672	563	Auto	G	13.50	0.520	7.02	4	1000 (3)	1000	Rigid Loop	C-8	—	—	1.72	43.69
673	564	Auto	G	14.00	0.440	6.16	2	2000	2000	Rigid Loop	C-8	—	—	1.72	43.69
674	566	Auto	—	14.00	0.360	5.04	1	2000	2000	Rigid Loop	C-8	—	—	1.72	43.69

(3) At 14.0 volts.

(10) Filament shielded.

(15) Based on limited test information.

Lamps

Note: Not all part numbers are available for purchase, but included for reference only. Please contact customer service for part number availability at 1-800-257-6054.

Bulb Family Listing

Bulb Family	Line No.	Lamp Trade No.	Primary Application	Vac (V) — Gas (G)	Design Volts	Design Amps	Design Watts	Approx. Candle Pwr.	Rated Avg. Life, Hours	Base	Filament Type	Light Center Length		Max Overall Length	
												IN	MM	IN	MM

T-3 — Approx. 3/8" (10.0mm) Diameter — Burning Position: Any

675	567	Auto	—	12.80	0.780	9.98	9	1000	Rigid Loop	C-8	—	—	1.72	43.69
676	578	Auto	G	12.00	0.750	9.00	9	1000	Dbl. End Cap	C-8	—	—	—	—
677	HPR36	Flashlight - Halogen	G	5.50	1.000	5.50	7.95	40	S.C. Min. Flng	C-6	0.25	6.35	1.25	31.75
678	HPR40	Flashlight - Halogen	G	6.00	0.670	4.20	6	50	S.C. Min. Flng	C-6	0.25	6.35	1.25	31.75
679	HPR41	Flashlight - Halogen	G	3.75	0.750	2.81	3.1	100	S.C. Min. Flng	C-6	0.25	6.35	1.25	31.75
680	HPR50	Flashlight - Halogen 4 Cells	G	5.20	0.850	4.42	6.76	25	S.C. Min. Flng	C-6	0.25	6.35	1.25	31.75
681	HPR51	Flashlight - Halogen	G	6.50	0.700	4.55	7.16	25	S.C. Min. Flng	C-6	0.25	6.35	1.25	31.75
682	HPR52	Flashlight - Halogen 2 Cells	G	2.80	0.850	2.38	2.78	10	S.C. Min. Flng	C-6	0.25	6.35	1.25	31.75
683	HPR53	Flashlight - Halogen	G	4.00	0.850	3.40	4.77	25	S.C. Min. Flng	C-6	0.25	6.35	1.25	31.75
684	HPR54	Flashlight	G	4.00	0.125	0.50	2.75	15	S.C. Min. Flng	C-6	0.26	6.60	1.20	30.48
685	HPR55	Flashlight	G	5.20	0.500	2.60	3.75	15	S.C. Min. Flng	C-6	0.26	6.60	1.20	30.48

T-4 1/2 — Approx. 9/16" (14.1mm) Diameter — Burning Position: Any

686	1414	Aircraft	G	14.00	0.480	6.70	6	500	Min. Bay.	C-2R	0.63	16.00	1.38	35.05
687	1416	Marine	G	12.80	0.800	10.25	8	1000	Min. Bay.	C-2R	0.63	16.00	1.38	35.05
688	1495	Aviation	V	28.00	0.300	8.40	6	500	Min. Bay.	C-2F	0.63	16.00	1.38	35.05
689	1495X	Aviation, Gas Filled	G	28.00	0.300	8.40	6	500	Min. Bay.	C-2F	0.62	15.75	1.38	35.05
690	1855	Radio and TV	G	6.30	0.800	5.04	3.6	3000	Min. Bay.	C-2R	0.72	18.29	1.38	35.05
691	1896	Auto	V	7.00	0.500	3.50	2.2	3000	Min. Bay.	C-2R	0.56	14.22	1.06	26.92
692	9040	Auto, Fog/Driving, Halogen	G	12.80	3.130	40.00	60	1500 ⁽³⁾	P20d/40t	C-6	1.24	31.50	2.16	55.00
693	9045	Auto, Fog/Driving, Halogen	G	12.80	3.520	45.00	80	1000 ⁽³⁾	P20d/45t	C-6	1.24	31.50	2.16	55.00
694	9055	Auto, Fog/Driving, Halogen	G	12.80	4.300	55.00	80	2300 ⁽³⁾	PZ20d	C-6	1.24	31.50	2.16	55.00
695	9140	Auto, Fog/Driving, Halogen	G	12.80	3.130	40.00	60	1500 ⁽³⁾	P20d	C-8	1.24	31.50	2.16	55.00
696	9145	Auto, Fog/Driving, Halogen	G	12.80	3.520	45.00	80	1000 ⁽³⁾	PY20d	C-8	1.24	31.50	2.16	55.00
697	9155	Auto, Fog/Driving, Halogen	G	12.80	4.300	55.00	80	2300 ⁽³⁾	PY20d/55a	C-8	1.24	31.50	2.16	55.00
698	957	Signal	G	9.84	0.500	4.92	4.60	200	Min. Bay.	C-2R	0.50	12.70	1.38	35.05

T-4 3/4 — Approx. 19/32" (15.1mm) Diameter — Burning Position: Any

699	211	Auto Cartridge	G	12.80	0.970	12.42	12	750	Dbl. Fest. Cap	C-8	—	—	1.75	44.45
700	212	Auto Cartridge	G	13.50	0.740	10.00	6	5000	Dbl. Fest. Cap	C-8	—	—	1.75	44.45
701	570	Auto	G	12.00	2.100	25.20	32	600	Rigid Loop	C-8	—	—	1.72	43.69
702	571	Auto	—	12.80	2.1	26.88	32.00	1200	Rigid Loop	C-8	0.95	24.13	1.83	46.48
				14.00	0.59	8.26	3.00	5000	Rigid Loop	C-8	—	—	—	—
703	573	Auto	—	12.80	2.100	26.88	32	1200	Dbl. End Cap	C-8	—	—	1.72	43.69
704	575	Auto	—	12.80	2.1	26.88	32.00	1200	Rigid Loop	C-8	0.95	24.13	1.83	46.48
				14.00	.48	6.72	2.00	5000	Rigid Loop	C-8	—	—	—	—
705	576	Auto	—	12.80	1.400	17.92	21	1000	Rigid Loop	C-8	—	—	1.72	43.69
706	577	Auto	G	12.80	1.400	17.92	21	1000	Dbl. End Cap	C-8	—	—	1.72	43.69

T-4 — Approx. 1/2" (12.7mm) Diameter — Burning Position: Any

707	12854	Auto	G	12.00	0.830	10.00		B3/Tc = 400/1000	Dbl. Fest. Cap	C-8	—	—	1.46	38.00
708	1841	Indicator	V	24.00	0.170	4.08	3.3	250	Cand. Sc.	C-2V	0.94	23.88	1.50	38.10
709	1958	Aviation, Halogen	G	28.00	5.357	150.00	250	300	Tab	CC-8	0.75	19.05	2.25	57.15
710	1959	Aviation, Halogen	G	28.00	5.357	150.00	240	300	Tab	CC-8	0.75	19.05	2.25	57.15
711	1983	Aviation, Halogen	G	10.00	10.00	100.00	130	2000	Bi-Pin	C-8	1.25	31.75	1.80	45.72
712	1986	Aviation, Halogen	G	28.00	8.929	250.00	600	100	Special	CC-6	1.03	26.16	2.00	50.80
713	1987	Aviation, Halogen	G	28.00	5.357	150.00	240	700	D.C. Bay.	CC-6	1.18	29.97	2.44	61.98
714	2586	Aviation, Halogen	G	8.00	31.25	250.00	600	100	Wire Term.	CC-6	1.30	33.02	1.90	48.26
715	795	Signal, Halogen	G	12.80	3.906	50.00	108	200 ⁽³⁾	S.C. Bay.	C-6	1.25	31.75	2.50	63.50
716	795X	Auxiliary, Halogen	G	12.80	3.910	50.00	108	200	S.C. Bay.	C-8	1.25	31.75	2.50	63.50
717	796	Auxiliary, Halogen	G	12.80	2.730	35.00	60	300	S.C. Bay.	C-6	1.25	31.75	2.50	63.50
718	797	Auxiliary, Halogen	G	12.80	3.910	50.00	108	200	Special	C-6	1.25	31.75	2.50	63.50
719	808		—	12.80	1.640	21.00	32	700	Bi-Pin	C-6	1.12	28.45	1.83	46.48

T-5 — Approx. 5/8" (15.99mm) Diameter — Burning Position: Any

720	1434	Instrument, Photocell Exciter, Silver Plate Contact ⁽⁵⁾	G	3.70	2.750	10.18	11	100	S.C. Bay.	C-6	1.12	28.45	1.75	44.45
721	1489	Instrument, (A.A. tol. 1/64")	G	6.50	2.750	17.88	24	125	S.C. Bay.	C-6	1.12	28.45	1.75	44.45
722	1874	Instrument	G	3.70	2.750	10.18	11	100	S.C. Bay.	C-6	1.12	28.45	1.75	44.45
723	1876	Special Service, Photoelectric Scanner, Silver Plated Contact (A.A. tol. 1/64")	G	3.50	2.500	8.75	6.5	2000	S.C. Bay.	C-6	1.12	28.45	1.75	44.45

(3) At 14.0 volts.

Bulb Family Listing

Note: Not all part numbers are available for purchase, but included for reference only.
Please contact customer service for part number availability at 1-800-257-6054.

Lamps

Bulb Family	Line No.	Lamp Trade No.	Primary Application	Vac (V) — Gas (G)	Design Volts	Design Amps	Design Watts	Approx. Candle Pwr.	Rated Avg. Life, Hours	Base	Filament Type	Light Center Length		Max Overall Length	
												IN	MM	IN	MM

T-5 — Approx. 5/8" (15.99mm) Diameter — Burning Position: Any

724	1876X	Special Service, Photoelectric Scanner, Silver Plated Contact (A.A. tol. 1/32")	G	3.50	2.500	8.75	6.5	2000	S.C. Bay.	C-6	1.12	28.45	1.75	44.45
725	579	Auto	G	12.00	0.750	9.00	9	1000	Wedge, W2.1x9.5d	C-2F	—	—	—	—
726	901	Garden & Security Lighting	G	12.80	0.310	3.97	2.9	500	Wedge, W2.1x9.5d	C-2R	0.81	20.57	1.49	37.85
727	904	Auto	G	13.50	0.690	9.32	4	5000 ⁽³⁾	Wedge, W2.1x9.5d	C-2F	0.81	20.57	1.50	38.10
728	906	Auto	G	13.00	0.690	9.00	6	1000	Wedge, W2.1x9.5d	C-2F	0.81	20.57	1.50	38.10
729	908	Emergency Lighting	G	6.00	1.500	9.00	12	50	Wedge, W2.1x9.5d	C-2R	0.81	20.57	1.50	38.10
730	909	Emergency Lighting	G	6.00	0.620	3.72	3	50	Wedge, W2.1x9.5d	C-2R	0.81	20.57	1.49	37.85
731	912	Auto	G	12.80	1.000	12.80	12	1000	Wedge, W2.1x9.5d	C-2R	0.81	20.57	1.50	38.10
732	914	Emergency Lighting	G	4.00	0.900	3.60	3.5	50	Wedge, W2.1x9.5d	C-6	0.81	20.57	1.50	38.10
733	915	Emergency Lighting	G	12.00	0.750	9.00	11	50	Wedge, W2.1x9.5d	C-2R	0.81	20.57	1.49	37.85
734	916	Auto	G	13.50	0.540	7.30	2	10000	Wedge, W2.1x9.5d	C-2F	0.81	20.57	1.50	38.10
735	916NA	Auto, Amber (Natural)	G	13.00	0.540	7.02	1.5	10000	Wedge, W2.1x9.5d	C-2F	0.81	20.57	1.49	37.85
736	917	Home Appliance	G	12.00	1.200	14.40	10	1200	Wedge, W2.1x9.5d	C-2F	0.81	20.57	1.49	37.85
737	918	Garden & Security Lighting	G	12.80	0.560	7.17	6.5	500	Wedge, W2.1x9.5d	C-2R	0.81	20.57	1.49	37.85
738	920		—	12.80	1.200	15.36	10	1200	Wedge, W2.1x9.5d	C-2F	0.81	20.57	1.49	37.85
739	921	Auto	G	12.80	1.400	18.00	21	1000	Wedge, W2.1x9.5d	C-2R	0.81	20.57	1.50	38.10
740	921NA	Auto, Signal	G	12.80	1.400	18.00	21	1000	Wedge, W2.1x9.5d	C-2R	0.81	20.57	1.50	38.10
741	922	Auto	G	12.80	0.980	12.55	15	200	Wedge, W2.1x9.5d	C-2R	0.81	20.57	1.50	38.10
742	923	Auto	G	12.80	0.900	12.50	12.5	500	Wedge, W2.1x9.5d	C-2R	0.81	20.57	1.50	38.10
743	926	Emergency Lighting	G	4.00	1.800	7.20	7.5	50	Wedge, W2.1x9.5d	C-2R	0.81	20.57	1.49	37.85
744	927	Emergency Lighting	G	6.00	1.200	7.20	8	50	Wedge, W2.1x9.5d	C-2R	0.81	20.57	1.49	37.85
745	939	Emergency Lighting	G	6.00	0.900	5.40	5.4	50	Wedge, W2.1x9.5d	C-2R	0.81	20.57	1.49	37.85
746	960	Emergency Lighting	—	12.00	0.250	3.00	.5	50	Wedge, W2.1x9.5d	C-2F	0.81	20.57	1.49	37.85
747	961	Emergency Lighting	—	6.00	0.800	4.80	5.5	50	Wedge, W2.1x9.5d	C-2R	0.81	20.57	1.49	37.85
748	962	Emergency Lighting	—	6.00	0.500	3.00	2.5	50	Wedge, W2.1x9.5d	C-2R	0.81	20.57	1.49	37.85

T-6 1/4

749	7440	Auto	G	12.80	1.640	21.00	2.9	300	Wedge, W3x16d	C-6	1.14	29.00	1.85	47.00
750	7440NA	Auto, Signal	G	12.80	1.640	21.00	2.9	300	Wedge, W3x16d	C-6	1.14	29.00	1.85	47.00
751	7441	Auto	G	12.80	2.100	26.90	2.5	600	Wedge, W3x16d	C-6 C-6	1.14	29.00	1.85	47.00
752	7443	Auto	G	12.80 14.00	1.63 .36	21.1 5.04	2.8	500 1000	Wedge, W3x16d	C-6 C-6	1.14	29.00	1.85	47.00
753	7444NA	Auto, Signal	G	14.00	1.780	24.98	2.8	600	Wedge, W3x16d	C-6 C-6	1.14	29.00	1.85	47.00

T-6 — Approx. 3/4" (19.0mm) Diameter — Burning Position: Any

754	3496	Auto, Stop, Signal	G	12.00 12.00	2.24 .66	27.0 8.0	43.00 3.00	750 3500	D.C. Index	C-6 C-6	1.10	31.75	2.00	50.80
755	3497	Auto, Signal	G	12.00	2.240	27.00	45	750	S.C. Bay.	C-6	1.25	31.75	2.00	50.80

T-7 — Approx. 7/8" (22.3mm) Diameter — Burning Position: Any

756	1939X	Aviation, Marker ⁽¹⁸⁾	G	28.00	1.790	50.12	70	300	S.C. Bay.	C-2V	1.25	31.75	2.16	54.86
757	1940	Aviation ⁽¹⁸⁾	G	14.00	3.570	49.98	75	300	S.C. Bay.	C-8Z	1.25	31.75	2.16	54.86
758	1944	Special Service, Silver Contact	G	14.00	3.570	49.98	75	300	S.C. Bay.	C-8Z	1.25	31.75	2.25	57.15

TL-1 3/4 — Approx. 7/32" (5.5mm) Diameter — Burning Position: Any

759	252	Instrument, Lens End ⁽²³⁾	V	2.50	0.350	0.88	—	10000 ⁽⁷⁾	S.C. Midget Flng	C-2R	—	—	0.69	17.53
760	253X	Instrument, Lens End	V	2.50	0.350	0.88	—	10000 ⁽⁷⁾	Midget Grooved	C-2R	—	—	0.69	17.53

TL-2 3/4 — Approx. 11/32" (8.7mm) Diameter — Burning Position: Any

761	2604X	Instrument, Halogen, Lens End	G	5.00	2.000	10.00	—	5000	G4 Bi-Pin	C-6	—	—	1.18	29.97
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TL-3 — Approx. 3/8" (10.0mm) Diameter — Burning Position: Any

762	112	Flashlight - 1 AA Cell ⁽¹²⁾	V	1.20	0.220	0.26	—	5	Min. Sc.	S-2	—	—	0.94	23.88
763	2121D	Flashlight, Approx. 5/8" leads, Down Position	V	2.25	0.250	0.56	—	5 ⁽⁷⁾	Wire Term. ⁽³²⁾	C-2R	—	—	0.82	20.83
764	222	Flashlight - 2 AA Cells ⁽¹²⁾	V	2.25	0.250	0.56	—	5	Min. Bay.	C-2R	—	—	0.94	23.88
765	243	Flashlight - 2 C Cells ⁽¹²⁾	V	2.33	0.270	0.63	—	10	Min. Sc.	C-2R	—	—	0.94	23.88
766	243D	Flashlight - 2 D Cells	V	2.33	0.270	0.63	—	10	Wire Leads Tinned	C-2R	—	—	—	—

(3) At 14.0 volts.

(5) Bulb top selected for minimum glass imperfections.

(18) Burning position - base up or base down only.

Sealed Beam Lamps

Note: Not all part numbers are available for purchase, but included for reference only.
Please contact customer service for part number availability at 1-800-257-6054.

Bulb Family Listing

Bulb Family	Line No.	Lamp Trade No.	Primary Application	Design Volts	Design Watts or Amps	Approx. Candle Pwr.	Spread to 10% Max. C.P. Deg. (approx) Hor. x Vert.	Rated Avg. Life, Hours	Base	Filament Type	Max Overall Length	
											IN	MM

PAR-36 — Approx. 4 1/2" (114.2mm) Diameter

767	4014	Auto Signal		6.40	18	1,500	50 x 25	200	M-P	C-6	2.75	70.00
768	4014A	Auto Signal, Amber		6.40	18	450	50 x 25	70	Screw	C-6	2.76	70.00
769	4014R	Auto Signal, Red		6.40	18	275	50 x 25	70	Screw	C-6	2.76	70.00
770	4015	Auto Fog		6.20	35	8,500	40 x 5	80	Screw	C-6	2.76	70.00
771	4015A	Auto Fog, Amber		6.20	35	7,000	40 x 5	80	Screw	C-6	2.76	70.00
772	4042	Emergency Lighting		6.40	12	1,100	45 x 20	150	Screw Terminals	C-6	2.75	70.00
773	4044	Emergency Lighting		12.00	12	1,100	50 x 25	150	M-P	C-6	2.75	70.00
774	4056	Cycle Headlamp		6.40	30	12,000	25 x 4	100	3 Contact Lugs	C-6	2.76	70.00
				6.40	25	10,000	25 x 4	100				
775	4057	Cycle Headlamp		6.40	25	10,000	25 x 4	100	3 Contact Lugs	C-6	3.15	80.00
				6.40	25	7,000	25 x 4	100				
776	4186	Moped Headlamp		6.00	18	—	30 x 5	300	M-P	C-6	2.75	70.00
777	4308	Horse-Drawn Vehicles Headlamp		6.40	25	24,000	—	300	3 Screw Terminals	C-6	2.75	70.00
				6.40	12	3,000	—	150				
778	4313	Aircraft Landing		13.00	250	140,000	16 x 7	25	Screw Terminals	C-6	2.75	70.00
779	4340	Electric Vehicles		48.00	80	2,500	Trapezoidal	400	M-P	C-2V	2.75	70.00
780	4343	Electric Vehicles		80.00	75	4,000	Trapezoidal	400	M-P	CC-6	2.75	70.00
781	4350	Electric Vehicles		36.00	60	2,100	Trapezoidal	400	M-P	C-2V	2.75	70.00
782	4402A	CIM Signal		28.00	50	1,000	50 x 25	400	Screw Terminals	C-6	2.75	70.00
783	4404	Auto Spot ⁽¹⁰⁾		12.80	30	35,000	9 x 4	300	M-P	C-6	2.75	70.00
784	4405	Auto Spot ⁽¹⁰⁾		12.80	30	50,000	6 x 5	100	M-P	C-6	2.75	70.00
785	4406	Tractor		12.80	35 ⁽⁵⁷⁾	600	80 x 30	300 ⁽³⁾	M-P	C-6	2.75	70.00
786	4409	Tractor Flood		12.80	35	600	80 x 30	300 ⁽³⁾	Screw Terminals	C-6	2.76	70.00
787	4409X	Tractor		12.80	35	600	80 x 30	300 ⁽³⁾	Screw Terminals	C-6	2.75	70.00
788	4410	Tractor Flood, Back-up Lamp		12.80	35	600	80 x 30	300 ⁽³⁾	Screw Terminals	C-6	2.75	70.00
789	4411	Tractor		12.80	35 ⁽⁵⁷⁾	4,000	Trapezoidal	300 ⁽³⁾	M-P	C-6	2.75	70.00
790	4411-1	Tractor		12.80	35	4,000	Trapezoidal	300 ⁽³⁾	Screw Terminals	C-6	2.75	70.00
791	4411R	CIM, Red		12.80	35	2,500	30 x 25	300 ⁽³⁾	Screw Terminals	C-6	2.76	70.00
792	4414	Auto Signal		12.80	18	1,500	50 x 25	300	M-P	C-6	2.75	70.00
793	4414A	Auto Signal, Amber		12.80	18	450	50 x 25	300	M-P	C-6	2.75	70.00
794	4414AX	Auto Signal, Light Amber		12.80	18	1,200	50 x 25	300	M-P	C-6	2.75	70.00
795	4414R	Auto Signal, Red		12.80	18	275	50 x 25	300	M-P	C-6	2.75	70.00
796	4415	Auto Fog ⁽³⁵⁾		12.80	35	9,000	40 x 5	300	M-P	C-6	2.75	70.00
797	4415A	Auto Fog, Amber ⁽¹⁰⁾		12.80	35	7,000	40 x 5	300	M-P	C-6	2.75	70.00
798	4416	Auto Spot ⁽³⁵⁾		12.80	30	35,000	11 x 4	300	M-P	C-6	2.75	70.00
799	4416A	Auto Signal, Amber		12.80	30	26,000	11 x 4	300	M-P	C-6	2.75	70.00
800	4416H	Auto Spot		12.80	30	35,000	9 x 5	300	M-P	C-6	2.75	70.00
801	4416R	Auto Signal, Red		12.80	30	4,000	11 x 4	300	M-P	C-6	2.75	70.00
802	4422	Tractor		12.80	35	600	75 Degree Cone	300 ⁽³⁾	Screw Terminals	C-6	2.75	70.00
803	4424	Tractor Flood		12.80	35	325	110 x 110	300 ⁽³⁾	Screw Terminals	C-6	2.76	70.00
804	4425R	CIM Stop/Tail, Red Lens ⁽³⁶⁾		12.80	50	500	—	200 ⁽³⁾	3 Screw Terminals	C-6	2.75	70.00
				12.80	18	100	—	200 ⁽³⁾				
805	4440	Tractor		12.80	40	31,000	40 x 5	320 ⁽³⁾	3 Contact Lugs	C-6	2.76	70.00
				12.80	40	5,000	40 x 5	320 ⁽³⁾				
806	4440X	Tractor		12.80	40	6,000	40 x 7	320 ⁽³⁾	3 Contact Lugs	C-6	3.00	76.00
				12.80	40	4,500	33 x 9	320 ⁽³⁾				
807	4442	Special Service, Flood		12.80	18 ⁽⁵⁷⁾	100	80 x 80	2000	M-P	C-6	2.75	70.00
808	4443	Spot, Military		12.80	18	10,000	10 x 5	700 ⁽³⁾	Screw Terminals	C-6	2.76	70.00
809	4444	Snowmobile Headlamp		12.80	18	4,500	40 x 5	100 ⁽³⁾	Screw Terminals	C-6	2.76	70.00
810	4445	Snowmobile Headlamp		12.80	35	2,900	40 x 5	320 ⁽³⁾	3 Contact Lugs	C-6	2.76	70.00
				12.80	35	4,800	40 x 5	320 ⁽³⁾				
811	4446	Special Service, Flood		12.80	25	150	80 x 80	2000	M-P	C-6	2.75	70.00
812	4449	Passing		12.80	30	15,000	11 x 4.5	300	Screw Terminals	C-6	2.76	70.00
813	4454	Snowmobile Headlamp		12.80	60	10,000	40 x 8	200 ⁽³⁾	3 Contact Lugs	C-6	2.76	70.00
				12.80	60	8,000	40 x 8	200 ⁽³⁾				
814	4455A	Military, Amber		28.00	50	1,500	50 x 25	400	2 Eyelet	CC-6	2.76	70.00
815	4455R	Military, Red		28.00	50	950	50 x 25	400	2 Eyelet	CC-6	2.76	70.00
816	4456	Cycle Headlamp		12.80	30	10,000	25 x 4	100 ⁽³⁾	3 Contact Lugs	C-6	3.00	76.00
				12.80	30	5,000	25 x 4	100 ⁽³⁾				

(3) At 14.0 volts.

(7) Life tests are conducted using DC voltage.

(10) Filament shielded.

(12) Lens end.

(23) Side solder within 25 degrees of plane of filament.

(32) This butt seal lamp is considered fragile. Use extreme care when bending or soldering the wire terminal.

(35) Lightly stripped lens.

(36) The slight iridescent color you may notice will not affect the lamp's performance.

(57) Nominal.

Bulb Family Listing

Note: Not all part numbers are available for purchase, but included for reference only.
Please contact customer service for part number availability at 1-800-257-6054.

Sealed Beam Lamps

Bulb Family	Line No.	Lamp Trade No.	Primary Application	Design Volts	Design Watts or Amps	Approx. Candle Pwr.	Spread to 10% Max. C.P. Deg. (approx) Hor. x Vert.	Rated Avg. Life, Hours	Base	Filament Type	Max Overall Length	
											IN	MM

PAR-36 — Approx. 4 1/2" (114.2mm) Diameter

817	4457	Tractor Headlamp	12.80	40	6,000	30 x 10	320 ⁽³⁾	3 Screw Terminals	C-6	2.76	70.00
			12.80	40	5,000	30 x 10	320 ⁽³⁾				
818	4460	Tractor/CIM Headlamp	12.80	40	6,500	40 x 10	320 ⁽³⁾	Screw Terminals	C-6	2.76	70.00
			12.80	40	5,000	40 x 10	320 ⁽³⁾				
819	4460X	Tractor	12.80	40	6,500	22 x 10	320 ⁽³⁾	3 Screw Terminals	C-6	2.75	70.00
			12.80	40	5,000	22 x 13	320 ⁽³⁾				
820	4460X-1	Tractor	12.80	40	6,000	40 x 7	320 ⁽³⁾	3 Slip-On Terminals	C-6	2.75	70.00
			12.80	40	5,000	33 x 9	320 ⁽³⁾				
821	4461	Tractor	12.80	60	6,000	Trapezoidal	300	M-P	C-6	2.75	70.00
822	4464	Auto Signal	12.80	60	50,000	12 x 5	300 ⁽³⁾	M-P	C-6	2.75	70.00
823	4464R	Spot, Red	12.80	60	7,500	11 x 5	300 ⁽³⁾	Screw Terminals	C-6	2.76	70.00
824	4466	Tractor	12.80	60	1,000	80 x 30	300 ⁽³⁾	Screw Terminals	C-6	2.75	70.00
825	4502	Auto, Aircraft, Military Headlamp	28.00	50	10,000	40 x 7	400	M-P	CC-6	2.75	70.00
826	4503	Military Headlamp	14.00	40	10,000	40 x 5	400 ⁽³⁾	Screw Terminals	C-6	2.76	70.00
827	4505	Aircraft Passing	28.00	50	45,000	11 x 5	400	M-P	CC-6	2.75	70.00
828	4505R	Aircraft Passing, Red	28.00	50	—	11 x 5	400	M-P	CC-6	2.75	70.00
829	4506	Hand Lantern ⁽³⁵⁾	4.70	.5	4,500	4 x 4	30	M-P	C-2R	2.75	70.00
830	4509	Aircraft Landing	13.00	100	110,000	11 x 6	25	M-P	C-6	2.75	70.00
831	4509S	Spot Lamp ⁽¹⁰⁾	13.00	100	110,000	11 x 6	25	M-P	C-6	2.75	70.00
832	4509X	Marine Spot Lamp ⁽⁴¹⁾	13.00	100	110,000	12 x 6	25	Screw Terminals	C-6	2.75	70.00
833	4509Y	Special Service	13.00	100	—	12 x 6	25	Screw Terminals	C-6	2.75	70.00
834	4510	Auto Utility	6.40	25	750	80 x 20	300	M-P	C-6	2.75	70.00
835	4510R	Auto Signal, Red	6.40	25	300	65 x 25	100	Screw Terminals	C-6	2.76	70.00
836	4511	Tractor	6.20	30 ⁽⁵⁷⁾	2,300	Trapezoidal	300 ⁽²¹⁾	M-P	C-6	2.75	70.00
837	4512	Bicycle Headlamp	4.70	.5	150	Trapezoidal	100	M-P	C-2R	2.75	70.00
838	4515	Auto Spot	6.40	30	55,000	5 x 5	100	M-P	C-6	2.75	70.00
839	4516	Auto Spot	6.20	30	40,000	9 x 4	300	M-P	C-6	2.75	70.00
840	4516B	Auto Spot, Blue	6.20	30	15,000	9 x 4	300	Screw Terminals	C-6	2.76	70.00
841	4516R	Auto Spot, Red	6.20	30	15,000	9 x 4	300	Screw Terminals	C-6	2.76	70.00
842	4519	Marine	13.00	100	30,000	40 x 7	25	Screw Terminals	C-6	2.75	70.00
843	4546	Hand Lantern - 4 F Cells	4.70	.5	4,000	4 x 4	100	M-P	C-2R	2.75	70.00
844	4546H	Hand Lantern - 4 F Cells, Clear	4.70	.5	4,500	4 x 4	100	M-P	C-2R	2.75	70.00
845	4547	Hand Lantern	4.80	6	20,000	3 x 3	100	M-P	C-2R	2.75	70.00
846	4568	Cycle Headlamp ⁽¹⁰⁾	12.80	25	6,800	40 x 5	300	M-P	C-6	2.75	70.00
847	4583	Cycle Headlamp ⁽¹⁰⁾	6.40	25	6,200	40 x 5	300	M-P	C-6	2.75	70.00
848	4587	Aircraft Taxiing ⁽⁴⁶⁾	28.00	250	40,000	40 x 13	25	Screw Terminals	CC-8	2.75	70.00
849	4589	Aircraft	28.00	50	5,000	Trapezoidal	400	M-P	CC-6	2.75	70.00
850	4591	Aircraft Landing	28.00	100	90,000	12 x 6	25	Screw Terminals	CC-6	2.75	70.00
851	4593	Aircraft In-Air Refueling	28.00	50	1,500	80 x 30	400	Screw Terminals	CC-6	2.75	70.00
852	4594	Aircraft Navigation	28.00	100	70,000	13 x 7	300	Screw Terminals	CC-6	2.75	70.00
853	4595	Aircraft Navigation	13.00	100	60,000	14 x 6	300	Screw Terminals	C-6	2.75	70.00
854	4596	Aircraft Landing ⁽⁴⁶⁾	28.00	250	150,000	11 x 12	25	Screw Terminals	CC-8	2.75	70.00
855	4596Y	Signal, Amber ⁽¹⁰⁾	28.00	250	—	—	25	Screw Terminals	CC-8	2.75	70.00
856	4601	Tractor Tail	6.20	30	2,000	Trapezoidal	300 ⁽²¹⁾	Screw Terminals	C-6	2.75	70.00
857	4603	Tractor ⁽³⁶⁾⁽⁴⁸⁾⁽⁴⁹⁾	12.80	35	2,800	Trapezoidal	300 ⁽²¹⁾	Screw Terminals	C-6	2.75	70.00
858	4603X	Tractor ⁽⁵⁰⁾	12.80	35	2,800	Trapezoidal	300 ⁽²¹⁾	Screw Terminals	C-6	2.75	70.00
859	4609A	Emergency Warning	4.70	1.9	400	20 x 3	1000	M-P	C-2R	3.15	80.00
860	4614	Aircraft Navigation ⁽⁴¹⁾	6.00	100	85,000	11 x 6	300	Screw Terminals	C-6	2.75	70.00
861	4618	Hand Latern - 4 F Cells	4.80	1	13,000	3 x 3	100	M-P	C-2R	2.75	70.00
862	4626	Aircraft Taxiing	28.00	150	25,000	40 x 9	300	Screw Terminals	CC-6	2.75	70.00
863	4627	Aircraft	28.00	100	3,000	80 x 30	300	Screw Terminals	CC-6	2.75	70.00
864	4675	Auto, Special Service	13.00	75	15,000	40 x 5	300	M-P	C-6	2.75	70.00
865	4690	Tractor Headlamp	12.80	60	9,000	40 x 10	200 ⁽³⁾	3 Screw Terminals	C-6	3.00	76.00
			12.80	60	5,500	40 x 10	200 ⁽³⁾				
866	4700	Spot/Flood	13.00	100	100,000	12 x 7	25	3 Screw Terminals	C-6	2.75	70.00
			13.00	100	50,000	17 x 18	25				
867	4713	Aircraft Logo	28.00	150	4,200	50 X 65	300	Screw Terminals	2C-6	2.75	70.00
868	4750	CIM Headlamp	28.00	60	5,000	36 x 12	800	Screw Terminals	2C-6	2.76	70.00
869	4752	CIM Flood	28.00	60	2,000	50 x 25	800	Screw Terminals	2C-6	2.75	70.00

(3) At 14.0 volts.

(10) Filament shielded.

(21) At 7.0 volts.

(35) Lightly strippled lens.

(36) The slight iridescent color you may notice will not affect the lamp's performance.

(41) Shield in front of filament blocks direct light.

(46) The extreme wattage required to operate this lamp may make it unsuitable for some uses. Ask your Customer Service Representative for options.

(48) Trapezoidal beam, spread to 10% measured through the center of the beam pattern.

(49) Not interchangeable with 4603X which is stained red. Check lamp periodically for correct color light.

(50) This lamp cannot be interchanged with lamp #4603.

(57) Nominal.

Sealed Beam Lamps

Note: Not all part numbers are available for purchase, but included for reference only. Please contact customer service for part number availability at 1-800-257-6054.

Bulb Family Listing

Bulb Family	Line No.	Lamp Trade No.	Primary Application	Design Volts	Design Watts or Amps	Approx. Candle Pwr.	Spread to 10% Max. C.P. Deg. (approx) Hor. x Vert.	Rated Avg. Life, Hours	Base	Filament Type	Max Overall Length	
											IN	MM

PAR-36 — Approx. 4 1/2" (114.2mm) Diameter

870	4811	Auto Headlamp, Military	28.00	110	—	—	400	3 Contact Lugs	CC-6	3.00	76.00
			28.00	55	—	—	400				
871	4825R	CIM Stop/Tail, Red Lens ⁽³⁶⁾⁽⁴⁰⁾	28.00	50	200	—	200	3 Screw Terminals	C-2V	2.75	70.00
			28.00	18	40	—	200				
872	5411	Tractor	13.00	100	16,000	Trapezoidal	300	M-P	C-6	2.75	70.00
873	652	Train Tail	37.50	35	2,000	30 x 25	1000	2 Mogul End Prongs	CC-6	2.76	70.00
874	7128	Emergency Lighting	12.00	8	800	24 x 18	50	M-P	C-2R	2.75	70.00
875	7400	Rotating Beacon and Auto Spot	12.80	35	35,000	12 x 5	300	M-P	C-6	2.75	70.00
876	7400A	Rotating Beacon, Amber	12.80	35	—	12 x 5	300	M-P	C-6	2.75	70.00
877	7400R	Rotating Beacon, Red	12.80	35	—	12 x 5	300	M-P	C-6	2.75	70.00
878	7401	Auto Spot	13.00	150	170,000	11 x 6	15	M-P	C-6	2.75	70.00
879	7414Y	Signal, Light Yellow Lens	12.80	18	1,000	50 x 25	300	Screw Terminals	C-6	2.75	70.00
880	7425A	Moped Headlamp, Elevated Dome With Amber Side	6.00	25	—	30 x 5	300	M-P	C-6	3.13	79.00
881	7613	Emergency Lighting	6.00	8	800	24 x 18	50	M-P	C-2R	2.75	70.00
882	7672	Emergency Lighting	6.00	7.2	350	24 x 18	50	Screw Terminals	C-2R	2.75	70.00
883	H4405	Spot Lamp, Shielded Bulb ⁽³³⁾	12.80	30	50,000	6 x 5	100	Screw Terminals	C-6	2.75	70.00
884	H4460X	Tractor ⁽³³⁾	12.80	40	11,000	22 x 10	320 ⁽³⁾	3 Screw Terminals	C-6	2.75	70.00
			12.80	40	8,500	22 x 13	320 ⁽³⁾				
885	H4515	Spot Lamp, Shielded Bulb	6.40	30	67,000	5 1/2 x 4	100	Screw Terminals	C-6	2.75	70.00
886	H7550	Hand Lantern, Halogen ⁽³³⁾	6.00	8	25,000	3 x 3	50	Screw Terminals	C-6	2.75	70.00
887	H7550-1	Hand Lantern, Halogen ⁽³³⁾	6.00	8	25,000	3 x 3	50	Slip-On Terminals	C-6	2.75	70.00
888	H7551	Emergency Lighting, Halogen ⁽³³⁾	6.00	8	550	30 x 20	50	Screw Terminals	C-6	2.75	70.00
889	H7552	Emergency Lighting, Halogen ⁽³³⁾	6.00	10	650	30 x 20	50	Screw Terminals	C-6	2.75	70.00
890	H7553	Emergency Lighting, Halogen ⁽³³⁾	6.00	12	850	30 x 20	50	Screw Terminals	C-6	2.75	70.00
891	H7554	Emergency Lighting, Halogen ⁽³³⁾	6.00	20	1,400	30 x 20	50	Screw Terminals	C-6	2.75	70.00
892	H7555	Emergency Lighting, Halogen ⁽³³⁾	12.00	8	550	30 x 20	50	Screw Terminals	C-6	2.75	70.00
893	H7556	Emergency Lighting, Halogen ⁽³³⁾	6.00	6	400	30 x 20	50	Screw Terminals	C-6	2.75	70.00
894	H7557	Emergency Lighting, Halogen Cycle ⁽³³⁾	12.00	12	850	30 x 20	50	Screw Terminals	C-6	2.75	70.00
895	H7600	Rotating Beacon, Halogen ⁽³³⁾	12.80	37.5	60,000	9 x 4 1/2	300	Screw Terminals	C-6	2.75	70.00
896	H7604	Spot Lamp, Halogen ⁽³³⁾	12.80	50	100,000	7 x 5	100	Screw Terminals	C-6	2.75	70.00
897	H7606	Tractor Flood, Halogen Cycle ⁽³³⁾	12.80	50	1,000	80 x 30	400 ⁽³⁾	Screw Terminals	C-6	2.75	70.00
898	H7607	Tractor Flood ⁽³³⁾	12.80	65	1,500	—	600 ⁽³⁾	Screw Terminals	C-6	2.75	70.00
899	H7610	Tractor, Halogen ⁽³³⁾	12.80	50	5,200	Trapezoidal	400 ⁽³⁾	Screw Terminals	C-6	2.75	70.00
900	H7614	Flood, Halogen	12.80	50	2,000	70 x 30	100	Screw Terminals	C-6	2.75	70.00
901	H7616	Spot Lamp, Halogen ⁽³³⁾	12.80	37.5	70,000	7 x 4	300	Screw Terminals	C-6	2.75	70.00
902	Q4405	Spot Lamp, Quartz	12.80	50	50,000	6 x 5	200	M-P	C-6	2.75	70.00
903	Q4509	Aircraft Landing ⁽³³⁾⁽⁴⁰⁾	13.00	100	140,000	—	100	Screw Terminals	C-8	2.75	70.00
904	Q4631	Aircraft Landing, Quartz	13.00	250	80,000	13 x 12	500	M-P	C-6	2.75	70.00
905	Q4632	Aircraft, Quartz	13.00	250	75,000	14 x 12	500	M-P	C-6	2.75	70.00
906	Q7455	Warning Lamp, Quartz	12.80	55	72,000	12 x 5	200	M-P	C-6	2.75	70.00

PAR-46 — Approx. 5 3/4" (145.9mm) Diameter

907	4000	Auto Headlamp, Low Beam 4-Lamp Round System ⁽¹⁰⁾	12.80	37.5	—	—	200 ⁽³⁾	3 Contact Lugs	C-5	4.00	102.00
			12.80	60	—	—	320 ⁽³⁾				
908	4000A	Warning Lamp, Amber ⁽³⁾	12.80	37.5	—	34 x 7	200 ⁽³⁾	3 Contact Lugs	C-6	4.00	102.00
			12.80	60	—	34 x 7	320 ⁽³⁾				
909	4000R	Signal, Red ⁽¹⁰⁾	12.80	37.5	—	34 x 7	200 ⁽³⁾	3 Contact Lugs	C-7A	4.00	102.00
			12.80	60	—	34 x 7	320 ⁽³⁾				
910	4001	Auto Headlamp, High Beam 4-Lamp Round System	12.80	37.5	—	—	200 ⁽³⁾	2 Contact Lugs	C-6	4.00	102.00
911	4001A	Warning Lamp, Amber	12.80	37.5	—	26 x 5	200 ⁽³⁾	2 Contact Lugs	C-6	4.00	102.00
912	4001B	Headlamp, Blue	12.80	37.5	2,600	26 x 5	200 ⁽³⁾	2 Contact Lugs	C-6	4.00	102.00
913	4001R	Warning Lamp, Red	12.80	37.5	—	26 x 5	200 ⁽³⁾	2 Contact Lugs	C-6	4.00	102.00
			12.80	37.5	11,000	34 x 7	200 ⁽³⁾				
914	4002	Auto Headlamp	12.80	50	19,000	34 x 7	320 ⁽³⁾	3 Contact Lugs	C-6	4.00	102.00
			12.80	50	19,000	34 x 7	320 ⁽³⁾				

(3) At 14.0 volts.

(10) Filament shielded.

(33) This sealed beam halogen lamp has a pressurized inner bulb that could shatter if it is damaged. If the outer seal cover is damaged, carefully remove and dispose of the lamp by placing it in a closed container. Promptly replace any sealed beam lamp whose reflector has discolored.

(36) The slight iridescent color you may notice will not affect the lamp's performance.

(40) Not for use on highways.

Bulb Family Listing

Note: Not all part numbers are available for purchase, but included for reference only.
Please contact customer service for part number availability at 1-800-257-6054.

Sealed Beam Lamps

Bulb Family	Line No.	Lamp Trade No.	Primary Application	Design Volts	Design Watts or Amps	Approx. Candle Pwr.	Spread to 10% Max. C.P. Deg. (approx) Hor. x Vert.	Rated Avg. Life, Hours	Base	Filament Type	Max Overall Length	
											IN	MM
PAR-46 — Approx. 5 3/4" (145.9mm) Diameter												
915	4002A		Headlamp, Amber	12.80 12.80	37.5 50	8,000 14,000	34 x 7 34 x 7	200 ⁽³⁾ 320 ⁽⁶⁾	3 Contact Lugs	C-6	4.00	102.00
916	4002R		Headlamp, Red	12.80 12.80	37.5 50	1,300 2,000	34 x 7 34 x 7	200 ⁽⁶⁾ 320 ⁽⁶⁾	3 Contact Lugs	C-6	4.00	102.00
917	4007		Spot/Flood Lamp	13.00 13.00	100 100	200,000 50,000	7 x 5 13 x 16	25 25	3M-P	C-6	3.63	92.00
918	4007S		Spot/Flood Lamp ⁽¹⁰⁾	13.00 13.00	100 100	200,000 50,000	7 x 5 13 x 16	25 25	3M-P	C-6	3.63	92.00
919	4010		Auto Driving	6.20	30	27,000	16 x 4	80 ⁽²¹⁾	Screw Terminals	C-6	3.75	95.00
920	4012		Auto Fog	6.20	35	11,000	40 x 5	80 ⁽²¹⁾	Screw Terminals	C-6	3.75	95.00
921	4012A		Auto Fog, Amber	6.20	35	8,800	40 x 5	80 ⁽²¹⁾	Screw Terminals	C-6	3.75	95.00
922	4013		Tractor	6.40	25	900	80 x 20	100	Screw Terminals	C-6	3.75	95.00
923	4017		Lantern Spot/Flood	5.50 5.50	11.5 3.8	16,000 3,000	5 x 1.5 7 x 7	50 100	3 Contact Lugs	C-6	4.00	102.00
924	4018		Lantern Spot/Flood	6.00 6.50	11.0 3.8	38,000 1,800	5 x 2 7 x 7	50 100	3 Contact Lugs	C-6	4.00	102.00
925	4019		Tractor	6.20	30	1,200	Trapezoidal	300 ⁽²¹⁾	Screw Terminals	C-6	3.75	95.00
926	4020		Cycle Headlamp	6.40 6.40	30 30	— —	— —	300 300	3 Contact Lugs	C-6	4.00	102.00
927	4031		Military Headlamp	6.40 6.40	45 35	30,000 16,000	25 x 7 25 x 7	120 180	3 Contact Lugs	C-6	4.00	102.00
928	4034A		Signal, Amber	6.50	50	1,200	55 x 25	45 ⁽²¹⁾	Screw Terminals	C-6	3.75	95.00
929	4036		Lantern	6.40	18	25,000	7 x 2	100	3 Contact Lugs	C-6	4.00	102.00
930	4037		Auto Fog	12.80	18	—	26 x 5	300	M-P	C-6	4.00	102.00
931	4037A		Auto Fog, Amber	12.80	18	12,000	26 x 5	300	M-P	C-6	4.00	102.00
932	4040		Auto Headlamp, Low Beam 4-Lamp Round System ⁽¹⁰⁾	12.80 12.80	37.5 60	— —	— —	300 ⁽⁶⁾ 500 ⁽⁶⁾	3 Contact Lugs	C-6	4.00	102.00
933	4048KC		Auto Spot	13.00	155	300,000	15 x 7	15	M-P	C-6	3.63	92.00
934	4049		Spot Lamp	13.00	150	300,000	15 x 7	15	M-P	C-6	3.69	94.00
935	4049S		Spot Lamp ⁽¹⁰⁾	13.00	150	300,000	15 x 7	15	M-P	C-6	3.69	94.00
936	4078		CIM Flood	6.40	50	1,500	55 x 30	500 ⁽²¹⁾	2 Contact Lugs	C-6	4.00	102.00
937	4080		CIM Headlamp	6.40	50	8,000	40 x 5	500	2 Contact Lugs	C-6	4.00	102.00
938	4412		Auto Fog ⁽¹⁰⁾	12.80	35	10,000	40 x 6	300	M-P	C-6	3.69	94.00
939	4412A		Auto Fog, Amber ⁽¹⁰⁾	12.80	35 ⁽⁵⁷⁾	8,800	40 x 6	300 ⁽⁶⁾	M-P	C-6	3.69	94.00
940	4413		Tractor	12.80	35	1,300	80 x 20	300 ⁽⁶⁾	M-P	C-6	3.69	94.00
941	4413A		Tractor Signal, Amber	12.80	35	800	80 x 20	300 ⁽⁶⁾	Screw Terminals	C-6	3.75	95.00
942	4413R		Signal, Red	12.80	35	200	80 x 20	300	Screw Terminals	C-6	3.75	95.00
943	4419		Tractor	12.80	35 ⁽⁵⁷⁾	1,600	Trapezoidal	300 ⁽⁶⁾	M-P	C-6	3.69	94.00
944	4420		Cycle Headlamp	12.80 12.80	30 30	25,000 15,000	25 x 7 25 x 7	100 100	3 Contact Lugs	C-6	4.00	102.00
945	4421		Auto, Special Service ⁽¹⁰⁾	13.00	100	23,000	50 x 6	300	M-P	C-6	3.75	96.00
946	4427		Tractor Flood ⁽³⁷⁾⁽³⁸⁾	12.80	35	1,200	80 x 20	300 ⁽⁶⁾	Screw Terminals	C-6	3.75	95.00
947	4431		Auto Headlamp, Military	12.80 12.80	45 35	30,000 16,000	25 x 7 25 x 7	320 ⁽⁶⁾ 320 ⁽⁶⁾	3 Contact Lugs	C-6	4.00	102.00
948	4434A		Signal, Amber	12.80	40	1,000	55 x 25	35 ⁽⁶⁾	Screw Terminals	C-6	3.75	95.00
949	4435		Auto Spot ⁽¹⁰⁾⁽³⁵⁾	12.80	30	45,000	6 x 5	300	M-P	C-6	3.69	94.00
950	4435B		Spot, Blue	12.80	30	35,000	5 x 5	100 ⁽⁶⁾	Screw Terminals	C-6	3.75	95.00
951	4435H		Auto Spot	12.80	30	50,000	6 x 5	300	M-P	C-6	3.69	94.00
952	4435R		Spot, Red	12.80	30	6,000	5 x 5	100 ⁽⁶⁾	Screw Terminals	C-6	3.75	95.00
953	4436		Auto Spot	12.80	35	60,000	10 x 4	300	M-P	C-6	3.69	94.00
954	4439		Flood	12.80	18	2,500	30 x 10	100 ⁽⁶⁾	2 Contact Lugs	C-6	4.00	102.00
955	4459		Tractor	12.80 12.80	40 40	1,400 1,300	Trapezoidal Trapezoidal	320 ⁽⁶⁾ 320 ⁽⁶⁾	3 Slip-On Terminals	C-6	3.31	84.00
956	4467		Cycle Headlamp	12.80 12.80	50 35	— —	— —	320 ⁽⁶⁾ 275 ⁽⁶⁾	3 Contact Lugs	C-6	4.00	102.00
957	4478		CIM Flood	13.00	60	1,600	56 x 32	800 ⁽⁶⁾	2 Contact Lugs	2C-6	4.00	102.00
958	4480		CIM Headlamp	13.00	60	6,000	40 x 7	800 ⁽⁶⁾	2 Contact Lugs	2C-6	4.00	102.00
959	4490A		Auto Fog, Amber	28.00	50	9,000	40 x 5	400	Screw Terminals	CC-6	3.75	95.00

(3) At 14.0 volts.

(10) Filament shielded.

(21) At 7.0 volts.

(35) Lightly strippled lens.

(37) Outside transparent red coating on reflector. Transparent round window in reflector below base terminals.

(38) The coating on this lamp may fade over time. The lamp should be checked periodically to verify that the proper color light has been maintained.

(57) Nominal.

Sealed Beam Lamps

Note: Not all part numbers are available for purchase, but included for reference only.
Please contact customer service for part number availability at 1-800-257-6054.

Bulb Family Listing

Bulb Family	Line No.	Lamp Trade No.	Primary Application	Design Volts	Design Watts or Amps	Approx. Candle Pwr.	Spread to 10% Max. C.P. Deg. (approx) Hor. x Vert.	Rated Avg. Life, Hours	Base	Filament Type	Max Overall Length	
											IN	MM
PAR-46 — Approx. 5 3/4" (145.9mm) Diameter												
960	4492		Snowmobile Headlamp ⁽⁴⁰⁾	12.80 12.80	60 60	21,000 19,000	— —	300 300	3 Contact Lugs	C-6	4.00	102.00
961	4522		Aircraft Landing Fil. Segments Parallel ⁽¹⁰⁾	13.00	250	290,000	12 x 10	25	M-P	C-2	3.13	80.00
962	4524		Spot	6.00	28.5	80,000	8 x 4	50 ⁽²¹⁾	Screw Terminals	C-6	3.75	95.00
963	4530		Signal, Flashing	26.00	5.3	100,000	11 x 11	50	Screw Terminals	4CC-8	3.75	95.00
964	4531		Auto Military Headlamp	12.50	40	30,000	20 x 6	400	M-P	C-6	3.69	94.00
965	4532		Aircraft	28.00 28.00	250 150	75,000 14,500	12 x 19 16 x 19	100 100	Screw Terminals	CC-8	3.75	95.00
966	4534S		Spot ⁽¹⁰⁾	13.00	100	200,000	8 x 5	25	M-P	C-6	3.69	94.00
967	4535		Auto Spot ⁽¹⁰⁾	6.40	30	95,000	5 x 4	100	M-P	C-6	3.69	94.00
968	4537		Aircraft Landing	13.00	100	200,000	11 x 6	25	M-P	C-6	3.69	94.00
969	4537S		Auto Spot ⁽¹⁰⁾	13.00	100	200,000	11 x 6	25	M-P	C-6	3.69	94.00
970	4551		Aircraft	28.00	250	75,000	50 x 10	25	M-P	CC-6	3.88	99.00
971	4553		Aircraft Landing ⁽⁴⁴⁾	28.00	250	300,000	11 x 12	25 ⁽⁴⁶⁾	Screw Terminals	CC-8	3.13	80.00
972	4554		Aircraft Taxiing ⁽⁴⁶⁾	28.00	450	90,000	50 x 16	25	Screw Terminals	CC-8	3.13	80.00
973	4570		Aircraft Taxiing	28.00	150	32,000	50 x 9	300	M-P	CC-6	3.88	99.00
974	4570X		Tractor	28.00	150	32,000	50 x 9	300	Screw Terminals	CC-6	3.75	95.00
975	4571		Flood, Special Service	28.00	150	7,000	80 x 25	300	Screw Terminals	CC-6	3.75	95.00
976	4572		Auto Flood, Military	28.00	150	4,500	55 x 55	300	Screw Terminals	CC-6	3.75	95.00
977	4578		CIM Flood	28.00	60	1,600	55 x 30	800	2 Contact Lugs	2C-6	4.00	102.00
978	4579		CIM Headlamp	28.00 28.00	80 60	24,000 11,000	25 x 7 25 x 7	400 400	3 Contact Lugs	CC-6	4.00	102.00
979	4579R		CIM, Red	28.00 28.00	80 60	3,600 1,600	25 x 7 25 x 7	400 400	3 Contact Lugs	CC-6	4.00	102.00
980	4580		Aircraft Landing ⁽³³⁾⁽⁴⁶⁾	28.00	450	400,000	13 x 14	10	Screw Terminals	CC-8	3.75	95.00
981	4581		Aircraft Landing	28.00	450	400,000	13 x 14	10	M-P	CC-8	3.15	80.00
982	4582		Aircraft/Helicopter Flood ⁽⁴⁶⁾	28.00	450	20,000	50 x 55	10	Screw Terminals	CC-8	3.75	95.00
983	4606		Special Service	5.70	20	800	80 x 20	150	Screw Terminals	C-6	4.00	102.00
984	4608A		Emergency Warning	4.70	1.9	400	30 x 7	1000	M-P	C-2R	3.75	95.00
985	4610		Tractor Tail	12.80	35	1,600	Trapezoidal	300	Screw Terminals	C-6	3.75	95.00
986	4619		Auto Headlamp, High Beam 4-Lamp Round System, 24 Volt	28.00	50	—	—	400	2 Contact Lugs	CC-6	4.00	102.00
987	4624		Auto Headlamp, Low Beam 4-Lamp Round System, 24 Volt	28.00 28.00	50 50	— —	— —	400 400	3 Contact Lugs	CC-6	4.00	102.00
988	4633		School Bus Signal	12.80	75	6,000	80 x 15	70 ⁽³⁾	M-P	C-6	3.75	95.00
989	4633A		School Bus Signal, Amber	12.80	75	1,200	80 x 15	70 ⁽³⁾	M-P	2C-6	3.75	95.00
990	4633R		School Bus Signal, Red	12.80	75	700	80 x 15	70 ⁽³⁾	M-P	2C-6	3.75	95.00
991	4635		Aircraft Landing ⁽⁴⁶⁾	16.50	450	325,000	14 x 15	25	Screw Terminals	C-8	3.75	95.00
992	4636		Signal	14.00	80	90,000	9 x 7	200 ⁽³⁾	M-P	2C-6	3.75	95.00
993	4636-3		Signal	14.00	80	90,000	9 x 7 1/2	200	M-P	2C-6	3.75	95.00
994	4813		CIM Headlamp	28.00	90	10,000	50 x 10	800	2 Contact Lugs	2C-6	4.00	102.00
995	4814		CIM Hi-Speed Driving	28.00	90	27,000	8 x 4	800	2 Contact Lugs	2C-6	4.00	102.00
996	4880		CIM Headlamp	28.00	60	6,000	—	800	2 Contact Lugs	2C-6	4.00	102.00
997	5001		Auto Headlamp, High Beam 4-Lamp Round System	12.80	50	—	—	200 ⁽³⁾	2 Contact Lugs	C-6	4.00	102.00
998	H4467		Cycle Headlamp Halogen	12.80 12.80	50 35	27,000 12,500	31 x 7 30 x 6	350 ⁽³⁾ 320 ⁽³⁾	3 Contact Lugs	C-6	4.00	102.00
999	H4578		CIM Flood, Halogen	28.00	60	1,800	50 x 20	800	2 Contact Lugs	2C-6	4.00	102.00
1000	H4719		Tractor Spot, Halogen	12.80	50	—	Trapezoidal	200 ⁽³⁾	M-P	C-6	3.69	94.00
1001	H4813		CIM Headlamp, Halogen	28.00	90	12,000	50 x 10	800	2 Contact Lugs	2C-6	4.00	102.00
1002	H4814		CIM Hi-Speed Driving, Halogen	28.00	90	33,000	8 x 4	800	2 Contact Lugs	2C-6	4.00	102.00
1003	H4880		CIM Headlamp, Halogen	28.00	60	7,000	40 x 7	800	2 Contact Lugs	2C-6	4.00	102.00
1004	H5001		Auto Headlamp, High Beam 4-Lamp Round System, Halogen	12.80	50	—	—	200 ⁽³⁾	2 Contact Lugs	C-6	4.00	102.00
1005	H5006		Auto Headlamp, Low Beam 4-Lamp Round System, Halogen	12.80 12.80	35 35	— —	— —	200 ⁽³⁾ 320 ⁽³⁾	3 Contact Lugs	C-6	4.00	102.00
1006	H5009		Auto Headlamp, Low Beam 4-Lamp Round System, Halogen	12.80 12.80	40 50	15,000 20,000	35 x 7 35 x 7	500 ⁽³⁾ 2000 ⁽³⁾	3 Contact Lugs	C-6	4.00	102.00
1007	H5010		Auto Headlamp, High Beam 4-Lamp Round System, Halogen	12.80	50	55,000	26 x 5	900 ⁽³⁾	3 Contact Lugs	C-6	4.00	102.00

(3) At 14.0 volts.

(10) Filament shielded.

(21) Filament wiring reverse to 1157.

(33) This sealed beam halogen lamp has a pressurized inner bulb that could shatter if it is damaged. If the outer seal cover is damaged, carefully remove and dispose of the lamp by placing it in a closed container. Promptly replace any sealed beam lamp whose reflector has discolored.

(40) Not for use on highways.

(44) 120 degree cylindrical shield positioned to the side of the filament.

(46) The extreme wattage required to operate this lamp may make it unsuitable for some uses. Ask your Customer Service Representative for options.

Bulb Family Listing

Note: Not all part numbers are available for purchase, but included for reference only. Please contact customer service for part number availability at 1-800-257-6054.

Sealed Beam Lamps

Bulb Family	Line No.	Lamp Trade No.	Primary Application	Design Volts	Design Watts or Amps	Approx. Candle Pwr.	Spread to 10% Max. C.P. Deg. (approx) Hor. x Vert.	Rated Avg. Life, Hours	Base	Filament Type	Max Overall Length	
											IN	MM
PAR-46 — Approx. 5 3/4" (145.9mm) Diameter												
1008	H7609		Tractor Flood, Halogen ⁽³³⁾	12.80	50	2,200	80 x 20	400 ⁽³⁾	Screw Terminals	C-6	3.75	95.00
1009	H7612		Auto Fog, Halogen ⁽³³⁾	12.80	37.5	15,000	40 x 7	450	Screw Terminals	C-6	3.75	95.00
1010	H7619		Tractor, Halogen ⁽³³⁾⁽⁴⁸⁾	12.80	50	6,000	Trapezoidal	400 ⁽³⁾	Screw Terminals	C-6	3.75	95.00
1011	H7621-1		Auto/Truck Special Service, Halogen ⁽³³⁾⁽⁵⁴⁾	12.80	50	20,000	50 x 7	200 ⁽³⁾	Slip-On Terminals	C-6	3.75	95.00
1012	H7635		Spot Lamp, Halogen	12.80	50	160,000	6 x 4	100	M-P	C-6	3.69	94.00
1013	H7635X		Spot Lamp, Halogen ⁽³³⁾	12.80	50	160,000	6 1/2 x 4	100	Screw Terminals	C-6	3.75	95.00
1014	Q4011		Spot Lamp, Quartz	12.80	50	110,000	10 x 5	200	M-P	C-6	3.63	92.00
1015	Q4554		Aircraft Taxiing, Quartz ⁽³³⁾⁽⁴⁶⁾	28.00	450	65,000	50 x 11	100	Screw Terminals	CC-6	2.63	67.00
1016	Q4566		Aircraft, Quartz	28.00	450	150,000	16 x 12	1000	Screw Terminals	CC-6	3.31	84.00
1017	Q4597		Aircraft Flood, Quartz ⁽³³⁾⁽⁴⁶⁾	28.00	450	16,000	60 x 35	1000	Screw Terminals	CC-6	3.31	84.00
1018	Q4681		Aircraft Landing, Quartz	28.00	450	310,000	15 x 9	50	Screw Terminals	CC-6	2.63	67.00

PAR-56 — Approx. 7" (177.7mm) Diameter

1019	4305		Swimming Pool	13.00	100	5,000	50 x 25	125 ⁽³⁾	Screw Terminals	C-6	4.50	114.00
1020	4310		Swimming Pool	12.00	150	6,000	50 x 25	125 ⁽³⁾	Screw Terminals	C-6	4.50	114.00
1021	4319		Swimming Pool	12.00	300	12,000	50 x 25	125 ⁽³⁾	Screw Terminals	2C-6	4.50	114.00
1022	4433A		Signal, Amber	12.80	75	2,400	40 x 20	70 ⁽³⁾	4 Contact Lugs	2C-6	5.00	127.00
1023	4433R		Signal, Red	12.80	75	800	40 x 20	70 ⁽³⁾	5 Contact Lugs	2C-6	5.00	127.00
1024	4458		Cycle Headlamp	12.80	60	32,000	34 x 7	200 ⁽³⁾	3 Contact Lugs	C-6	5.00	127.00
				12.80	50	25,000	34 x 7	320 ⁽³⁾				
1025	4541		Aircraft Landing	28.00	450	470,000	15 x 11	25	Screw Terminals	C-13	4.50	114.00
1026	4543		Spot Lamp, Special Service	12.50	100	250,000	9 x 5	50	M-P	C-6	4.50	114.00
1027	4545		Marine Searchlight ⁽¹⁰⁾	12.00	100	240,000	9 x 5	100	M-P	C-6	4.50	114.00
1028	4800		Auto Headlamp, Military	28.00	50	19,000	34 x 7	400	3 Contact Lugs	CC-6	5.00	127.00
				28.00	40	11,000	34 x 7	400				
1029	4803		Auto Headlamp, Military	28.00	50	19,000	34 x 7	400	3 Contact Lugs	CC-6	5.00	127.00
				28.00	40	11,000	34 x 7	400				
1030	4860		Auto Headlamp, Military	28.00	80	—	—	400	Waterproof Terminals	CC-6	5.00	127.00
				28.00	60	—	—	400				
1031	4860(OR)		Military Signal	28.00	80	—	34 x 7	400	3 Eyelet	CC-6	5.00	127.00
				28.00	60	—	34 x 7	400				
1032	4860A		Military Headlamp, Amber	28.00	80	18,000	34 x 7	400	Waterproof Terminals	CC-6	5.00	127.00
				28.00	60	9,000	34 x 7	400				
1033	4863		Military Headlamp	28.00	80	24,000	34 x 7	400	Waterproof Terminals	CC-6	5.00	127.00
				28.00	60	11,000	34 x 7	400				
1034	4863(OR)		Military Signal	28.00	80	—	34 x 7	400	3 Eyelet	CC-6	5.00	127.00
				28.00	60	—	34 x 7	400				
1035	4863A		Military Signal, Amber	28.00	80	—	34 x 7	400	Waterproof Terminals	CC-6	5.00	127.00
				28.00	60	—	34 x 7	400				
1036	4863U		Auto Headlamp, Military	28.00	80	—	—	400	No Base (Ferrules)	CC-6	5.00	127.00
				28.00	60	—	—	400				
1037	6006		Auto Headlamp Aimer, Buttons on Lens ⁽¹⁰⁾	6.10	50	—	—	300	3 Contact Lugs	C-6	5.25	134.00
				6.20	40	—	—	500				
1038	6012		Auto Headlamp, 2-Lamp Round System	12.80	50	27,000	34 x 7	200 ⁽³⁾	3 Contact Lugs	C-6	5.00	127.00
				12.80	40	20,000	34 x 7	320 ⁽³⁾				
1039	6013		Auto Headlamp, 2-Lamp Round System	12.80	50	27,000	34 x 7	200 ⁽³⁾	3 Contact Lugs	C-6	5.00	127.00
				12.80	40	20,000	34 x 7	320 ⁽³⁾				
1040	6014		Auto Headlamp, 2-Lamp Round System ⁽¹⁰⁾	12.80	60	—	—	200 ⁽³⁾	3 Contact Lugs	C-6	5.25	134.00
				12.80	50	—	—	320 ⁽³⁾				
1041	6014A		Warning Lamp, Amber ⁽¹⁰⁾	12.80	60	—	30 x 6	200 ⁽³⁾	3 Contact Lugs	C-6	5.25	134.00
				12.80	50	—	30 x 6	320 ⁽³⁾				
1042	6015		Truck Heavy Duty Headlamp, 2-Lamp Round System ⁽¹⁰⁾	12.80	60	—	—	300	3 Contact Lugs	C-6	5.25	134.00
				12.80	50	—	—	500				
1043	6016		Auto Fleet Service Headlamp, 2-Lamp Round System ⁽¹⁰⁾	12.80	60	—	—	900	3 Contact Lugs	C-6	5.25	134.00
				12.80	50	—	—	1500				
1044	6045		Signal	26.00	170	230,000	9 x 8	100	Screw Terminals	CC-6	4.50	114.00
1045	651		Train Headlamp	37.50	110	14,000	30 x 10	1000	2 Contact Lugs	CC-6	5.00	127.00
1046	H5024		Truck Headlamp, 2-Lamp Round System, Halogen	12.80	65	—	—	400 ⁽³⁾	3 Contact Lugs	C-6	5.00	127.00
				12.80	42	—	—	2000 ⁽³⁾				
1047	H6006		Auto Headlamp Aimer, Buttons on Lens	6.10	50	—	—	300	3 Contact Lugs	C-6	5.25	134.00
				6.20	40	—	—	500				

(3) At 14.0 volts.

(10) Filament shielded.

(33) This sealed beam halogen lamp has a pressurized inner bulb that could shatter if it is damaged. If the outer seal cover is damaged, carefully remove and dispose of the lamp by placing it in a closed container. Promptly replace any sealed beam lamp whose reflector has discolored.

(46) The extreme wattage required to operate this lamp may make it unsuitable for some uses. Ask your Customer Service Representative for options.

(48) Trapezoidal beam spread to 10% measured through the center of the beam pattern.

(54) Special fixture required for highway use.

Sealed Beam Lamps

Note: Not all part numbers are available for purchase, but included for reference only.
Please contact customer service for part number availability at 1-800-257-6054.

Bulb Family Listing

Bulb Family	Line No.	Lamp Trade No.	Primary Application	Design Volts	Design Watts or Amps	Approx. Candle Pwr.	Spread to 10% Max. C.P. Deg. (approx) Hor. x Vert.	Rated Avg. Life, Hours	Base	Filament Type	Max Overall Length	
											IN	MM

PAR-56 — Approx. 7" (177.7mm) Diameter

1048	H6015	Truck Heavy Duty Headlamp, 2-Lamp Round System	12.80	60	—	—	300	3 Contact Lugs	C-6	5.25	134.00
			12.80	50	—	—	500				
1049	H6017	Auto Headlamp, 2-Lamp Round System, Halogen	12.80	60	—	—	200 ⁽³⁾	3 Contact Lugs	C-6	5.25	134.00
			12.80	35	—	—	320 ⁽³⁾				
1050	H6024	Auto Headlamp, 2-Lamp Round System, Halogen	12.80	65	—	—	150 ⁽³⁾	3 Contact Lugs	C-6	5.00	127.00
			12.80	35	—	—	320 ⁽³⁾				
1051	H6026	Auto Headlamp, 2-Lamp Round System, Halogen	12.80	60	32,000	35 x 7	900 ⁽³⁾	3 Contact Lugs	C-6	5.00	127.00
			12.80	50	28,000	35 x 7	1500 ⁽³⁾				
1052	H6412	Auto Fog, Halogen	12.80	20	5,000	60 x 4	2000 (30)	2 Contact Lugs	C-6	5.00	127.00

PAR-64 — Approx. 8" (203.1mm) Diameter

1053	4552	Aircraft Landing ⁽⁴⁴⁾	28.00	250	500,000	7 x 8	25 ⁽⁴⁶⁾	Screw Terminals	CC-8	3.75	95.00
1054	4555	Aircraft Landing ⁽⁴⁶⁾⁽⁴⁷⁾	115.00	1000	600,000	20 x 11	25 ⁽⁴⁵⁾	Screw Terminals	C-13	3.75	95.00
1055	4556	Aircraft Landing ⁽⁴⁶⁾	28.00	1000	700,000	—	25	Screw Terminals	CC-6	3.75	95.00
1056	4557	Aircraft Landing/Taxiing ⁽⁴⁶⁾	28.00	1000	540,000	11 x 15	25	3 Screw Terminals	CC-8	3.75	95.00
			28.00	400	100,000	25 x 11	100 ⁽⁴⁶⁾				
1057	4559	Aircraft Landing ⁽¹⁰⁾	28.00	600	600,000	11 x 12	25	M-P	CC-8	4.00	102.00
1058	4715	Marine Spot Lamp	13.00	250	500,000	8 x 7	25	M-P	C-2	4.00	102.00
1059	5557	Aircraft Landing/Taxiing ⁽⁴⁶⁾	28.00	1000	540,000	11 x 15	50	3 Screw Terminals	C-6	3.75	95.00
			28.00	400	100,000	25 x 11	100 ⁽⁴⁶⁾				
1060	Q4559	Aircraft Landing, Quartz ⁽³³⁾⁽⁴⁶⁾	28.00	600	600,000	12 x 8	100	M-P	CC-6	4.00	102.00
1061	Q4559X	Aircraft Landing, Quartz	28.00	600	765,000	12 x 8	100	M-P	CC-6	4.00	102.00
1062	Q4629	Aircraft Logo, Quartz ⁽⁴⁶⁾	28.00	600	20,000	55 x 35	1000	Screw Terminals	CC-6	4.81	122.00

REC-46 — Approx. 2.2" (55.0mm) x 5.9" (150.0mm) Diameter

1063	H4351	Auto Headlamp, Low Beam 4-Lamp Rec. System, Halogen	12.80	55	22,000	—	500	Rt. Angle, Plastic	C-8	3.40	81.50
1064	H4352	Auto Headlamp, High Beam 4-Lamp Rec. System, Halogen	12.80	65	45,000	—	150	Rt. Angle, Plastic	C-8	3.40	81.50
1065	H4360	Tractor ⁽³³⁾	12.80	37.5	2,000	Trapezoidal	320	2 Rt. Angle Lugs	C-6	3.00	76.00

REC-48 — Approx. 3.6" (92.0mm) x 6.5" (165.0mm) Diameter

1066	H4701	Auto Headlamp, High Beam 4-Lamp Rec. System, Halogen	14.00	65	—	—	150	2 Lugs	C-8	3.34	85.00
1067	H4703	Auto Headlamp, Low Beam 4-Lamp Rec. System, Halogen	14.00	55	—	—	320	2 Lugs	C-8	3.34	85.00
1068	H9405	Spot Lamp, Halogen ⁽³³⁾	12.80	50	100,000	7 x 4	100	2 Rt. Angle Lugs	C-6	3.00	76.00
1069	H9406	Tractor Flood, Halogen ⁽³³⁾	12.80	50	1,350	70 x 30	400 ⁽³⁾	2 Rt. Angle Lugs	C-6	3.00	76.00
1070	H9411	Tractor, Halogen ⁽³³⁾	12.80	50	5,400	Trapezoidal	400 ⁽³⁾	2 Rt. Angle Lugs	C-6	3.00	76.00
1071	H9414	Tractor, Emergency Lighting, Med. Flood, Halogen ⁽³³⁾	12.80	50	2,700	45 x 20	400 ⁽³⁾	2 Rt. Angle Lugs	C-6	3.00	76.00
1072	H9415	Auto Fog, Halogen ⁽³³⁾	12.80	37.5	12,000	45 x 5	200 ⁽³⁾	2 Rt. Angle Lugs	C-6	3.00	76.00
1073	H9415A	Auto Fog, Amber Halogen ⁽³³⁾	12.80	37.5	—	45 x 5	200 ⁽³⁾	2 Rt. Angle Lugs	C-6	3.00	76.00
1074	H9420	Auto Driving, Halogen ⁽³³⁾	12.80	50	47,000	15 x 5	200 ⁽³⁾	2 Rt. Angle Lugs	C-6	3.00	76.00
1075	H9421	Auto/Truck Special Service, Halogen ⁽³³⁾	12.80	50	14,000	45 x 8	200 ⁽³⁾	2 Rt. Angle Lugs	C-6	3.00	76.00

REC-58 — Approx. 3.9" (100.0mm) x 6.5" (165.0mm) Diameter

1076	4651	Auto Headlamp, High Beam 4-Lamp Rec. System	12.80	50	—	—	200 ⁽³⁾	2 Contact Lugs	C-6	4.50	114.00
1077	4651B	Signal, Blue	12.80	50	—	—	200 ⁽³⁾	M-P	C-6	4.50	114.00
1078	4651R	Signal, Red	12.80	50	3000	26 x 5	200 ⁽³⁾	M-P	C-6	4.50	114.00
1079	4652	Auto Headlamp, Low Beam 4-Lamp Rec. System	12.80	60	—	—	200 ⁽³⁾	3 Contact Lugs	C-6	4.50	114.00
			12.80	40	—	—	320 ⁽³⁾				
1080	4653	Truck Headlamp Fleet Service	12.80	60	—	—	300 ⁽³⁾	3 Contact Lugs	C-6	4.50	114.00
			12.80	40	—	—	500 ⁽³⁾				
1081	4912-1	Auto/Truck Fog ⁽⁵²⁾	12.80	50	14,000	40 x 7	300	Slip-On Terminals	C-6	4.53	115.00
1082	4913-1	Tractor Flood	12.80	50	1,350	80 x 20	400 ⁽³⁾	Slip-On Terminals	C-6	4.53	115.00
1083	4919-1	Tractor	12.80	50	3,700	Trapezoidal	400 ⁽³⁾	Slip-On Terminals	C-6	4.50	114.00
1084	4921	Truck Special Service	13.00	100	—	40 x 7	300	M-P	C-6	4.50	114.00

(3) At 14.0 volts.

(10) Filament shielded.

(33) This sealed beam halogen lamp has a pressurized inner bulb that could shatter if it is damaged. If the outer seal cover is damaged, carefully remove and dispose of the lamp by placing it in a closed container. Promptly replace any sealed beam lamp whose reflector has discolored.

(44) 120 degree cylindrical shield positioned to the side of the filament.

(45) Life tested by switching the lamp off every 5 minutes.

(46) The extreme wattage required to operate this lamp may make it unsuitable for some uses. Ask your Customer Service Representative for options.

(47) Slightly rounded corner.

(52) 90 degree spherical shield above filament which masks all direct light.

Bulb Family Listing

Note: Not all part numbers are available for purchase, but included for reference only.
Please contact customer service for part number availability at 1-800-257-6054.

Sealed Beam Lamps

Bulb Family	Line No.	Lamp Trade No.	Primary Application	Design Volts	Design Watts or Amps	Approx. Candle Pwr.	Spread to 10% Max. C.P. Deg. (approx) Hor. x Vert.	Rated Avg. Life, Hours	Base	Filament Type	Max Overall Length	
											IN	MM
REC-58 — Approx. 3.9" (100.0mm) x 6.5" (165.0mm) Diameter												
1085	H4651		Auto Headlamp, High Beam 4-Lamp Rec. System, Halogen	12.80	50	—	—	200 ⁽³⁾	2 Contact Lugs	C-6	4.50	114.00
1086	H4651A		Auto Headlamp, Amber Halogen	12.80	50	—	26 x 5	400	2 Contact Lugs	C-6	4.70	121.00
1087	H4651CC		Auto Headlamp, High Beam 4-Lamp Rec. System, Halogen, Color Black	12.80	50	—	—	200 ⁽³⁾	2 Contact Lugs	C-6	4.50	114.00
1088	H4651R		Auto Headlamp, Red Halogen	12.80	50	—	26 x 5	400	2 Contact Lugs	C-6	4.70	121.00
1089	H4656		Auto Headlamp, Low Beam 4-Lamp Rec. System, Halogen	12.80 12.80	35 35	— —	— —	200 ⁽³⁾ 320 ⁽³⁾	3 Contact Lugs	C-6	4.50	114.00
1090	H4656CC		Auto Headlamp, Low Beam 4-Lamp Rec. System, Halogen, Color Black	12.80 12.80	35 35	— —	— —	200 ⁽³⁾ 320 ⁽³⁾	3 Contact Lugs	C-6	4.50	114.00
1091	H4656LL		Auto Headlamp, Low Beam 4-Lamp Rec. System, Halogen	12.80 12.80	35 35	— —	— —	900 ⁽³⁾ 2000 ⁽³⁾	3 Contact Lugs	C-6	4.50	114.00
1092	H4666		Auto Headlamp, 2-Lamp Rec. System, Halogen	12.80 12.80	65 45	— —	— —	150 320	3 Contact Lugs	C-6	4.50	114.00
1093	H4666CC		Auto Headlamp, 2-Lamp Rec. System, Halogen, Color Black	12.80 12.80	65 45	— —	— —	150 320	3 Contact Lugs	C-6	4.50	114.00
1094	H4739		Auto Headlamp, Low Beam 4-Lamp Rec. System, Halogen	12.80 12.80	40 50	15,000 25,000	34 x 7 34 x 7	500 ⁽³⁾ 2000 ⁽³⁾	3 Contact Lugs	C-6	4.43	111.00
1095	H4740		Auto Headlamp, High Beam 4-Lamp Rec. System, Halogen	12.80	50	55,000	26 x 5	500 ⁽³⁾	2 Contact Lugs	C-6	4.70	121.00
1096	H5051		Truck Headlamp, High Beam 4-Lamp Rec. System, Halogen ⁽³³⁾⁽⁵¹⁾	12.80	50	—	—	500 ⁽³⁾	2 Contact Lugs	C-6	4.80	121.00
1097	H5062		Truck Headlamp, Low Beam 4-Lamp Rec. System, Halogen ⁽³³⁾⁽⁵¹⁾	12.80 12.80	40 55	— —	— —	400 ⁽³⁾ 2000 ⁽³⁾	3 Contact Lugs	C-6	4.80	121.00
1098	H6545		Auto Headlamp, 2-Lamp Rec. System, Halogen	12.80 12.80	65 45	35,000 25,000	35 x 7 35 x 7	150 ⁽³⁾ 450 ⁽³⁾	3 Contact Lugs	C-6	4.43	111.00
1099	H7921-1		Auto/Truck Special Service, Halogen ⁽³³⁾⁽⁵⁴⁾	12.80	50	23,900	35 x 5	200 ⁽³⁾	Slip-On Terminals	C-6	4.80	121.00
1100	H7935-1		Spot Lamp, Halogen ⁽³³⁾	12.80	50	175,000	6 1/2 x 3 1/2	100	Slip-On Terminals	C-6	4.53	115.00
1101	HP4656		Auto Headlamp, Low Beam 4-Lamp Rec. System, Halogen Plastic	12.80 12.80	35 35	— —	— —	200 ⁽³⁾ 320 ⁽³⁾	3 Contact Lugs	C-6	4.80	121.00
1102	HP6545		Auto Headlamp, 2-Lamp Rec. System, Halogen	12.80 12.80	65 45	35,000 25,000	35 x 7 35 x 7	150 450	3 Contact Lugs	C-6	4.43	111.00

REC-68 — Approx. 5.6" (142mm) x 7.9" (200.0mm) Diameter

1103	6052		Auto Headlamp, 2-Lamp Rec. System	12.80 12.80	65 55	— —	— —	150 ⁽³⁾ 320 ⁽³⁾	3 Contact Lugs	C-6	5.63	143.00
1104	6053		Truck Fleet Service Headlamp, 2-Lamp Rec. System	12.80 12.80	65 55	— —	— —	150 ⁽³⁾ 320 ⁽³⁾	3 Contact Lugs	C-6	5.63	143.00
1105	6058		Cycle Headlamp	12.80 12.80	65 55	35,000 30,000	34 x 7 34 x 7	150 ⁽³⁾ 450 ⁽³⁾	3 Contact Lugs	C-6	5.32	135.00
1106	H5054		Truck Headlamp, 2-Lamp Rec. System, Halogen ⁽³³⁾⁽⁵¹⁾	12.80 12.80	65 42	— —	— —	400 ⁽³⁾ 2000 ⁽³⁾	3 Contact Lugs	C-6	5.44	138.00
1107	H6054		Auto Headlamp, 2-Lamp Rec. System, Halogen	12.80 12.80	65 35	— —	— —	150 ⁽³⁾ 320 ⁽³⁾	3 Contact Lugs	C-6	5.63	143.00
1108	H6054CC		Auto Headlamp, 2-Lamp Rec. System, Halogen; Color Black, Blue, Red, White	12.80 12.80	65 35	— —	— —	150 ⁽³⁾ 320 ⁽³⁾	3 Contact Lugs	C-6	5.63	143.00
1109	H6054LL		Auto Headlamp, 2-Lamp Rec. System, Halogen	12.80 12.80	65 35	— —	— —	900 ⁽³⁾ 2000 ⁽³⁾	3 Contact Lugs	C-6	5.63	143.00
1110	H6059		Auto Headlamp, 2-Lamp Rec. System, Halogen	12.80 12.80	65 55	45,000 32,000	35 x 7 35 x 7	900 ⁽³⁾ 1500 ⁽³⁾	3 Contact Lugs	C-6	5.32	135.00
1111	H6060		Auto Headlamp, 2-Lamp Rec. System, Halogen	12.80 12.80	65 50	35,000 30,000	34 x 7 34 x 7	500 ⁽³⁾ 2000 ⁽³⁾	3 Contact Lugs	C-6	5.32	135.00
1112	HP6054		Auto Headlamp, 2-Lamp Rec. System, Halogen Plastic	12.80 12.80	65 35	— —	— —	150 ⁽³⁾ 320 ⁽³⁾	3 Contact Lugs	C-6	5.44	138.00

(3) At 14.0 volts.

(33) This sealed beam halogen lamp has a pressurized inner bulb that could shatter if it is damaged. If the outer seal cover is damaged, carefully remove and dispose of the lamp by placing it in a closed container. Promptly replace any sealed beam lamp whose reflector has discolored.

(51) Alternative construction may be adhesive seal.

(54) Special fixture required for highway use.

Specialty Lamps

Note: Not all part numbers are available for purchase, but included for reference only.
Please contact customer service for part number availability at 1-800-257-6054.

Bulb Family Listing

Bulb Family	Line No.	Lamp Trade No.	Primary Application	Vac (V) — Gas (G)	Design Volts	Design Amps	Design Watts	Approx. Candle Pwr.	Rated Avg. Life, Hours	Base	Filament Type	Light Center Length		Max Overall Length	
												IN	MM	IN	MM

Halogen

1113	13336MD	Multi Purpose 24V	G	24.00	2.900	70.00	—			PK22s	C-6	0.71	18.00	1.65	42.00
1114	13342MD	Multi Purpose 24V	G	24.00	3.100 2.900	75.00 70.00	—			P43T-38	C-8	1.12	28.50	3.63	83.00
1115	13972	Multi Purpose 24V	G	24.00	2.900	70.00	—	B3/Tc = 300/550		PX26d	C-8	0.98	25.00	2.32	59.00
1116	9003 (H4)	Auto Replaceable Halogen Headlamp Bulb, High/Low Beam	G	12.80 12.80	4.688 4.297	60.0 55.0	—	150 320		P43T-38	C-8	1.12	28.50	3.63	83.00
1117	9004	Auto Replaceable Halogen Headlamp Bulb, High/Low Beam	G	12.80 12.80	5.078 3.516	65.0 45.0	138.00 85.00	150 320		P29T Plastic	C-6 C-6	—	—	3.69	94.00
1118	9005	Auto Replaceable Halogen Headlamp Bulb, High Beam	G	12.80	5.078	65.00	136	150 ⁽³⁾		P20D Plastic	C-8	—	—	3.00	77.00
1119	9005XS	Auto Replaceable Halogen	G	12.00	5.078	65.00	136	150 ⁽³⁾		P20d – straight	C-8	1.24	31.50	2.17	55.00
1120	9006	Auto Replaceable Halogen Headlamp Bulb, Low Beam	G	12.80	4.297	55.00	80	320 ⁽³⁾		P22D Plastic	C-8	1.14	29.00	3.07	78.00
1121	9006XS	Auto Replaceable Halogen	G	12.00	4.297	55.00	80	320 ⁽³⁾		P22d – straight	C-8	1.24	31.50	2.17	55.00
1122	9007	Auto Replaceable Halogen Headlamp Bulb, High/Low Beam	G	12.80 12.80	5.078 4.297	65.0 55.0	107.00 79.50	150 320		PX29t Plastic	C-8 C-8	1.13	28.70	2.95	75.00
1123	9008 (H13)	Auto Replaceable Halogen Headlamp Bulb, High/Low Beam	G	12.80	4.688 4.297	60.0 55.0	—	150 320		P26,4t Plastic		1.16	29.45	3.70	94.00
1124	9011	Auto Replaceable Halogen Headlamp Bulb, High Beam	G	12.80	5.078	65.00	—	B3/B50/ Tc(14V) = 110/150/160		PX20d Plastic		1.14	29.00	3.07	78.00
1125	9012LL (HIR2)	Auto Replaceable Halogen Headlamp Bulb, High/Low Beam	G	12.80	4.297	55.00	—	B3/B10/ B50/Tc(14V) = 650/800/900/920		PX22D Plastic		1.13	28.70	2.95	75.00
1126	H1	Auto Replaceable Halogen Headlamp Bulb, High/Low Beam, Fog	G	12.80	4.297	55.00	—	B3/Tc/ Tav(14V) = 140/360/340		P14,5s		0.98	25.00	2.46	62.50
1127	H11	Auto Replaceable Halogen Headlamp Bulb, Low Beam	G	12.80	4.297	55.00	—	B3/Tc(13,2V) = 500/800		PGJ19-2		0.98	25.00	3.07	78.00
1128	H11B	Auto Replaceable Halogen Headlamp Bulb, Low Beam	G	12.80	4.297	55.00	—	B3/Tc(13,2V) = 500/800		PGJY19-2	C-8	0.98	25.00	2.63	67.00
1129	H15	Auto Replaceable Halogen Headlamp Bulb, High/Low Beam	G	12.80	4.297 1.17	55.00 15.00	—	HB: B3/Tc = 250/500 LB: B3/Tc = 2000/4000		PGJ23t-1		1.18	30.00	3.11	79.00
1130	H16	Auto, Fog/Driving, Halogen	G	12.80	1.250	16.00	—	B3/Tc(13,2V) = 500/1000		PGJ19-3		0.98	25.00	3.07	78.00
1131	H2	Auto, Fog/Driving, Halogen	G	12.80	4.297	55.00	—	—		X511	C-8	0.22	5.50	1.22	31.00
1132	H3	Auto, Fog/Driving, Halogen Headlamp Bulb, High Beam, Fog	G	12.80	4.297	55.00	—	B3/Tc(13,2V) = 150/450		PK22s		0.71	18.00	1.65	42.00
1133	H7	Auto Replaceable Halogen Headlamp Bulb, High/Low Beam, Fog	G	12.80	4.297	55.00	—	Tc(14V) = 250		PX26d		0.98	25.00	2.32	59.00
1134	H8	Auto Replaceable Halogen Headlamp Bulb, Fog	G	12.80	2.734	35.00	—	B3/Tav(14V) = 200/350		PGJ19-1		0.98	25.00	3.07	78.00
1135	H9	Auto Replaceable Halogen Headlamp Bulb, HighBeam	G	12.80	5.080	65.00	—	B3/Tc(14V) = 150/250		PGJ19-5		0.98	25.00	3.07	78.00
1136	HS1	2 Wheeler, Off-Road	G	12.00	2.910	35.00	—	—		PX43t-38	C-8	1.12	28.50	3.63	83.00
1137	S2	2 Wheeler, Off-Road	G	12.00	2.910	35.00	—	—		BA20d	C-8/C-2R			2.79	71.00

(3) At 14.0 volts.

Bulb Family Listing

Note: Not all part numbers are available for purchase, but included for reference only.
Please contact customer service for part number availability at 1-800-257-6054.

Specialty Lamps

Bulb Family	Line No.	Lamp Trade No.	Primary Application	Vac (V) - Gas (G)	Design Volts	Design Amps	Design Watts	Approx. Candle Pwr.	Rated Avg. Life, Hours	Base	Filament Type	Light Center Length		Max Overall Length	
												IN	MM	IN	MM

HiPerClick

1138	12184 (HPC16W)	Auto, Backup	G	13.50	1.180	16.00	23.88	B3/Tc (13.5V) : 1500/3000	PU20d/1	C-8Z	0.67	18.50	1.87	51.50
1139	12185 (HPC19W)	Auto, Backup, Signal	G	13.50	1.400	19.00	27.86	B3/Tc (13.5V) : 1000/2000	PU20d/3	C-8Z	0.77	19.50	2.18	55.55
1140	12271NA (HP-C16WNA)	Auto, Signal	G	13.50	1.778	24.00	14.3	B3/Tc (13.5V) : 1200/2400	PU20d/2	C-8Z	0.66	19.50	1.87	55.55
1141	12272NA (HP-C24WNA)	Auto, Signal	G	13.50	1.770	24.00	23.89	B3/Tc (13.5V) : 1200/2400	PU20d/6	C-8Z	0.66	19.50	1.87	55.55

HiPerVision

1142	12085	Auto, Backup, Driving (PS19W)	G	13.50	1.407	19.00	27.87	B3/Tc (13.5V) : 1000/2000	PG20D/1	C-8Z	0.94	24.00	1.88	47.75
1143	12086	Auto, Fog/Driving (PS24WFF)	G	13.50	1.778	24.00	39.81	B3/Tc (13.5V) : 750/1500	PG20D/3	C-8Z	0.94	24.00	1.88	47.75
1144	12086FF (PS24WFF)	Auto, Fog/Driving	G	13.50	1.770	24.00	39.80	B3/Tc (13.5V) : 750/1500	PG20D/3	C-8Z	0.94	24.00	1.88	47.75
1145	12088 (PR21W)	Auto, Signal	G	13.50	1.850	25.00	8.75	B3/Tc = 250/600	BAW15s	C-6	1.25	31.75	2.00	50.80
1146	12174NAHTR (PWY-24WNAHTR)	Auto, Driving, Signal	G	13.50	1.778	24.00	23.86	B3/Tc (13.5V) : 1200/2400	WP3.3x14.5/4	C-8Z	0.94	24.00	1.88	47.75
1147	12174SVHTR (PWY-24WSVHTR)	Auto, Driving, Signal	G	13.50	1.778	24.00	23.86	B3/Tc (13.5V) : 1000/2000	PGU20/4	C-8Z	0.94	24.00	1.88	47.75
1148	12177HTR (PW-16WHTR)	Auto, Driving, Signal	G	13.50	1.180	16.00	23.86	B3/Tc (13.5V) : 1500/3000	WP3.3x14.5/8	C-8Z	0.94	24.00	1.88	47.75
1149	12180SV (PSY-24WSV+)	Auto, Signal	G	13.50	1.770	24.00	23.88	B3/Tc (13.5V) : 1000/2000	PG20D/4	C-8Z	0.94	24.00	1.88	47.75
1150	12180SV+	Auto, Signal (PSY24W SV+)	G	13.50	1.778	24.00	23.89	B3/Tc (13.5V) : 1000/2000	PG20D/4	C-8Z	0.94	24.00	1.88	47.75
1151	12182HTR (PW-24WHTR)	Auto, Driving, Signal	G	13.50	1.770	24.00	39.77	B3/Tc (13.5V) : 750/1500	WP3.3x14.5/3	C-8Z	0.94	24.00	1.88	47.75
1152	12184NA	Auto, Backup (HPC16W)	G	13.50	1.185	16.00	23.89	B3/Tc (13.5V) : 1500/3000	PU20d/1	C-8Z	0.67	18.50	1.87	51.50
1153	12185	Auto, Backup, Signal (HPC19W)	G	13.50	1.407	19.00	27.87	B3/Tc (13.5V) : 1000/2000	PU20d/3	C-8Z	0.77	19.50	2.18	55.55
1154	12188NA	Auto, Driving, Signal (PSY24WNA)	G	13.50	1.778	24.00	23.89	B3/Tc (13.5V) : 1200/2400	PG20D/4	C-8Z	0.94	24.00	1.88	47.75
1155	12188NA (PSY24W-NA)	Auto, Driving, Signal	G	13.50	1.770	24.00	23.89	B3/Tc (13.5V) : 1200/2400	PG20D/4	C-8Z	0.94	24.00	1.88	47.75
1156	12190NA	Auto, Signal (PY24WNA)	G	13.50	1.778	24.00	23.89	B3/Tc (13.5V) : 1200/2400	PGU20D/4	C-8Z	0.94	24.00	1.83	46.60
1157	12190NA (PY24W-NA)	Auto, Signal	G	13.50	1.770	24.00	23.89	B3/Tc (13.5V) : 1200/2400	PGU20D/4	C-8Z	0.94	24.00	1.83	46.60
1158	12272NA	Auto, Signal (HPC24W-NA)	G	13.50	1.778	24.00	23.89	B3/Tc (13.5V) : 1200/2400	PU20d/6	C-8Z	0.66	19.50	1.87	55.55
1159	12274SV (PY-24WSV)	Auto, Signal	G	13.50	1.778	24.00	23.86	B3/Tc (13.5V) : 1000/2000	PGU20d/4	C-8Z	0.94	24.00	1.88	47.75
1160	12275NA	Auto, Signal (PSY19W-NA)	G	13.50	1.407	19.00	17.12	B3/Tc (13.5V) : 1200/2400	PG20D/2	C-8Z	0.94	24.00	1.88	47.75
1161	12275NA (PSY19W-NA)	Auto, Signal	G	13.50	1.400	19.00	17.11	B3/Tc (13.5V) : 1200/2400	PG20D/2	C-8Z	0.94	24.00	1.88	47.75
1162	12276	Auto, Fog/Driving (PSX24W)	G	13.50	1.778	24.00	39.81	B3/Tc (13.5V) : 750/1500	PG20D/7	C-8Z	0.94	24.00	1.88	47.75
1163	12277	Auto, Driving (P13W)	G	13.50	1.259	17.00	19.90	B3/Tc (13.5V) : 4000/8000	PG18.5d-1	C-8Z	1.03	25.00	2.57	62.55
1164	12278	Auto, Fog/Driving (PSX26W)	G	13.50	1.778	24.00	39.81	B3/Tc (13.5V) : 750/1500	PG18.5d-3	C-8Z	0.94	24.00	2.45	62.55

Specialty Lamps

Note: Not all part numbers are available for purchase, but included for reference only.
Please contact customer service for part number availability at 1-800-257-6054.

Bulb Family Listing

Bulb Family	Line No.	Lamp Trade No.	Primary Application	Vac (V) — Gas (G)	Design Volts	Design Amps	Design Watts	Approx. Candle Pwr.	Rated Avg. Life, Hours	Base	Filament Type	Light Center Length		Max Overall Length	
												IN	MM	IN	MM

Xenon

1165	D1R		Auto Replaceable Xenon Headlamp Bulb, High/Low Beam	G	85.00	0.412	35.00	—	2500	PK32d-3	—	1.07	27.10	3.25	82.50
1166	D1S		Auto Replaceable Xenon Headlamp Bulb, High/Low Beam	G	85.00	0.412	35.00	—	2500	PK32d-2	—	1.07	27.10	3.25	82.50
1167	D2R		Auto Replaceable Xenon Headlamp Bulb, High/Low Beam	G	85.00	0.412	35.00	—	2500	P32d-3	—	1.07	27.10	3.25	75.00
1168	D2S		Auto Replaceable Xenon Headlamp Bulb, High/Low Beam	G	85.00	0.412	35.00	—	2500	P32d-2	—	1.07	27.10	3.25	75.00
1169	D3R		Auto Replaceable Xenon Headlamp Bulb, High/Low Beam	G	42.00	0.833	35.00	—	2500	PK32d-6	—	1.07	27.10	3.25	82.50
1170	D3S		Auto Replaceable Xenon Headlamp Bulb, High/Low Beam	G	42.00	0.833	35.00	—	2500	PK32d-5	—	1.07	27.10	3.25	82.50
1171	D4R		Auto Replaceable Xenon Headlamp Bulb, High/Low Beam	G	42.00	0.833	35.00	—	2500	P32d-6	—	1.07	27.10	3.25	75.00
1172	D4S		Auto Replaceable Xenon Headlamp Bulb, High/Low Beam	G	42.00	0.833	35.00	—	2500	P32d-5	—	1.07	27.10	3.25	75.00
1173	D5S		Auto Replaceable Xenon Headlamp Bulb, High/Low Beam	G	12.80	1.953	25.00	—	2500	PK32d-7	—	0.71	18.00	2.91	74.00

Bulb Family Listing

Note: Not all part numbers are available for purchase, but included for reference only.
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Specialty Lamps

Bulb Family	Line No.	Lamp Trade No.	Part Number	Bulb Equivalent	Primary Application	LED Color	Color Temp	Lumens	Design Volts	Design Watts	Base	Max Overall Length	
												IN	MM

LED

1174	H8/H11/H16 LED		12794UNIX2	H8/H11/H16	Fog Lamp Only	White	Up to 6500k	840	12.00	9.30	PGJ19	3.01	76.60
1175	1141WLED		1141ULWX2	93, 198, 199, 1073, 1141, 1156, 1159, 12498, P21W	Back-Up	White	Up to 6000k	190	12.00	0.16	BA15s	1.92	48.80
1176	1156ALED		1156AULAX2	93, 198, 199, 1073, 1141, 1156, 1159, 12498, P21W	Park/Turn	Amber		22	12.00	0.06	BA15s	1.92	48.80
1177	1156RLED		1156RULRX2	93, 198, 199, 1073, 1141, 1156, 1159, 12498, P21W	Stop/Tail	Red		80	12.00	0.23	BA15s	1.92	48.80
1178	1156WLED		1156ULWX2	93, 198, 199, 1073, 1141, 1156, 1159, 12498, P21W	Back-Up	White	Up to 6000k	190	12.00	0.16	BA15s	1.92	48.80
1179	1157ALED		1157AULAX2	198, 1034, 1157, 2057, 12499, P21/5W	Park/Turn	Amber		22/6	12.00	0.06	BAY15d	1.92	48.80
1180	1157RLED		1157RULRX2	198, 1034, 1157, 2057, 12499, P21/5W	Stop/Tail	Red		80/13	12.00	0.23	BAY15d	1.92	48.80
1181	1157WLED		1157ULWX2	198, 1034, 1157, 2057, 12499, P21/5W		White	Up to 6000k	190/45	12.00	0.16	BAY15d	1.92	48.80
1182	158WLED		158ULWX2	158, 161, 168, 192, 193, 194, 579, 12691	Interior, Licence Plate	White	Up to 6000k	50	12.00	0.05	W2.1X9.5D	1.06	26.90
1183	168ALED		168AULAX2	158, 161, 168, 192, 193, 194, 579, 12691	Interior, Parking	Amber		20	12.00	0.04	W2.1X9.5D	1.06	26.90
1184	168RLED		168RULRX2	158, 161, 168, 192, 193, 194, 579, 12691	Interior	Red		25	12.00	0.05	W2.1X9.5D	1.06	26.90
1185	168WLED		168ULWX2	158, 161, 168, 192, 193, 194, 579, 12691	Interior, Licence Plate	White	Up to 6000k	50	12.00	0.05	W2.1X9.5D	1.06	26.90
1186	194ALED		194AULAX2	158, 161, 168, 192, 193, 194, 579, 12691	Interior	Amber		20	12.00	0.04	W2.1X9.5D	1.06	26.90
1187	194BLED		194BULBX2	158, 161, 168, 192, 193, 194, 579, 12691	Interior	Blue		8	12.00	0.05	W2.1X9.5D	1.06	26.90
1188	194RLED		194RULRX2	158, 161, 168, 192, 193, 194, 579, 12691	Interior, Signal	Red		25	12.00	0.05	W2.1X9.5D	1.06	26.90
1189	194WLED		194ULWX2	158, 161, 168, 192, 193, 194, 579, 12691	Interior, Licence Plate	White	Up to 6000k	50	12.00	0.05	W2.1X9.5D	1.06	26.90
1190	2057ALED		2057AULAX2	198, 1034, 1157, 2057, 12499, P21/5W	Park/Turn	Amber		22/6	12.00	0.06	BAY15d	1.92	48.80
1191	2057WLED		2057ULWX2	198, 1034, 1157, 2057, 12499, P21/5W		White	Up to 6000k	190/45	12.00	0.16	BAY15d	1.92	48.80
1192	211-2WLED		211-2ULWX1	211-2, 212-2, 578, 6411, 12866	Interior, Licence Plate	White	Up to 6000k	50	12.00	0.05	SV8,5	1.69	43.00
1193	212-2WLED		212-2ULWX1	211-2, 212-2, 578, 6411, 12866	Interior, Licence Plate	White	Up to 6000k	50	12.00	0.05	SV8,5	1.69	43.00
1194	2357ALED		2357AULAX2	198, 1034, 1157, 2057, 12499, P21/5W	Park/Turn	Amber		22/6	12.00	0.06	BAY15d	1.92	48.80
1195	2357RLED		2357RULRX2	198, 1034, 1157, 2057, 12499, P21/5W	Stop/Tail	Red		80/13	12.00	0.23	BAY15d	1.92	48.80
1196	2357WLED		2357ULWX2	198, 1034, 1157, 2057, 12499, P21/5W		White	Up to 6000k	190/45	12.00	0.16	BAY15d	1.92	48.80
1197	3047WLED		3047ULWX2	3057, 3157, 4057, 4114, 4157		White	Up to 6000k	190/45	12.00	0.16	W2,5x16q	1.96	49.80
1198	3057ALED		3057AULAX2	3057, 3157, 4057, 4114, 4157	Park/Turn	Amber		22/6	12.00	0.06	W2,5x16q	1.96	49.80
1199	3057WLED		3057ULWX2	3057, 3157, 4057, 4114, 4157		White	Up to 6000k	190/45	12.00	0.16	W2,5x16q	1.96	49.80
1200	3155WLED		3155ULWX2	3155, 3156	Back-Up	White	Up to 6000k	190	12.00	0.16	W2,5x16d	1.96	49.80
1201	3156WLED		3156ULWX2	3155, 3156	Back-Up	White	Up to 6000k	190	12.00	0.16	W2,5x16d	1.96	49.80
1202	3157ALED		3157AULAX2	3057, 3157, 4057, 4114, 4157	Park/Turn	Amber		22/6	12.00	0.06	W2,5x16q	1.96	49.80
1203	3157RLED		3157RULRX2	3057, 3157, 4057, 4114, 4157	Stop/Tail	Red		80/13	12.00	0.23	W2,5x16q	1.96	49.80
1204	3157WLED		3157ULWX2	3057, 3157, 4057, 4114, 4157		White	Up to 6000k	190/45	12.00	0.16	W2,5x16q	1.96	49.80
1205	3457ALED		3457AULAX2	3057, 3157, 4057, 4114, 4157	Park/Turn	Amber		22/6	12.00	0.06	W2,5x16q	1.96	49.80
1206	4057RLED		4057RULRX2	3057, 3157, 4057, 4114, 4157	Stop/Tail	Red		80/13	12.00	0.23	W2,5x16q	1.96	49.80
1207	4057WLED		4057ULWX2	3057, 3157, 4057, 4114, 4157		White	Up to 6000k	190/45	12.00	0.16	W2,5x16q	1.96	49.80
1208	4114ALED		4114AULAX2	3057, 3157, 4057, 4114, 4157	Park/Turn	Amber		22/6	12.00	0.06	W2,5x16q	1.96	49.80
1209	4114WLED		4114ULWX2	3057, 3157, 4057, 4114, 4157		White	Up to 6000k	190/45	12.00	0.16	W2,5x16q	1.96	49.80
1210	4157ALED		4157AULAX2	3057, 3157, 4057, 4114, 4157	Park/Turn	Amber		22/6	12.00	0.06	W2,5x16q	1.96	49.80

Specialty Lamps

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Bulb Family Listing

Bulb Family	Line No.	Lamp Trade No.	Part Number	Bulb Equivalent	Primary Application	LED Color	Color Temp	Lumens	Design Volts	Design Watts	Base	Max Overall Length	
												IN	MM

LED

1211	4157WLED		4157ULWX2	3057, 3157, 4057, 4114, 4157			White	Up to 6000k	190/45	12.00	0.16	W2,5x16q	1.96	49.80
1212	578BLED		578BULBX1	211-2, 212-2, 578, 6411, 12866	Interior		Blue		5	12.00	0.05	SV8,5	1.69	43.00
1213	578WLED		578ULWX1	211-2, 212-2, 578, 6411, 12866	Interior, Licence Plate		White	Up to 6000k	50	12.00	0.05	SV8,5	1.69	43.00
1214	6411WLED		6411ULWX1	211-2, 212-2, 578, 6411, 12866	Interior, Licence Plate		White	Up to 6000k	50	12.00	0.05	SV8,5	1.69	43.00
1215	6418BLED		6418BULBX1	6418, 12844, 12854, DE3423, DE3425	Interior		Blue		5	12.00	0.04	SV8,5	1.50	38.00
1216	6418WLED		6418ULWX1	6418, 12844, 12854, DE3423, DE3425	Interior, Licence Plate		White	Up to 6000k	50	12.00	0.05	SV8,5	1.50	38.00
1217	7440RLED		7440RULRX2	7440	Park/Turn		Red		80	12.00	0.23	W3x16d	1.72	43.90
1218	7440WLED		7440ULWX2	7440	Back-Up		White	Up to 6000k	190	12.00	0.16	W3x16d	1.72	43.90
1219	7443ALED		7443AULAX2	7443	Stop/Tail		Amber		22/6	12.00	0.06	W3x16q	1.72	43.90
1220	7443RLED		7443RULRX2	7443	Stop/Tail		Red		80/13	12.00	0.23	W3x16q	1.72	43.90
1221	7443WLED		7443ULWX2	7443			White	Up to 6000k	190/45	12.00	0.16	W3x16q	1.72	43.90
1222	912WLED		912ULWX2	904, 906, 912, 916, 917, 920, 921, 922	Back-Up		White	Up to 6000k	150	12.00	0.19	W2.1X9.5D	1.60	40.70
1223	921WLED		921ULWX2	904, 906, 912, 916, 917, 920, 921, 922	Back-Up		White	Up to 6000k	150	12.00	0.19	W2.1X9.5D	1.60	40.70
1224	DE3021WLED		DE3021ULWX1	12818, DE3021, DE3022, DE3175	Interior, Licence Plate		White	Up to 6000k	50	12.00	0.05	SV8,5	1.18	30.00
1225	DE3022WLED		DE3022ULWX1	12818, DE3021, DE3022, DE3175	Interior, Licence Plate		White	Up to 6000k	50	12.00	0.05	SV8,5	1.18	30.00
1226	DE3175BLED		DE3175BUL-BX1	6418, 12844, 12854, DE3423, DE3425	Interior		Blue		5	12.00	0.04	SV8,5	1.50	38.00
1227	DE3175WLED		DE3175ULWX1	6418, 12844, 12854, DE3423, DE3425	Interior, Licence Plate		White	Up to 6000k	50	12.00	0.05	SV8,5	1.50	38.00
1228	DE3423WLED		DE3423ULWX1	6418, 12844, 12854, DE3423, DE3425	Interior, Licence Plate		White	Up to 6000k	50	12.00	0.05	SV8,5	1.50	38.00
1229	DE3425WLED		DE3425ULWX1	6418, 12844, 12854, DE3423, DE3425	Interior, Licence Plate		White	Up to 6000k	50	12.00	0.05	SV8,5	1.50	38.00

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Lamp Trade No.	Bulb	Page No.	Page Item No.	Lamp Trade No.	Bulb	Page No.	Page Item No.	Lamp Trade No.	Bulb	Page No.	Page Item No.
.193	T-3 ¼	48	491	1124	RP-11	40	164	1157NI	S-8	42	232
10	G-3 ½	37	42	1129	S-8	42	214	1157RLED	LED	65	1180
1000	RP-11	40	155	1130	S-8	42	215	1157WLED	LED	65	1181
1003	B-6	37	22	1132IF	S-8	42	216	1158	S-8	42	233
1004	B-6	37	23	1133	RP-11	40	165	1159	S-8	42	234
1005	S-8	41	202	1134	RP-11	40	166	1168	S-8	42	235
1016	S-8	41	203	1139OF	RP-11	40	167	1176	S-8	42	236
1019	G-16 ½	37	38	1141	S-8	42	217	1178	G-6	39	110
1020	G-16 ½	37	39	1141A	S-8	42	218	1178 A	G-6	39	111
1021	RP-11	40	156	1141IF	S-8	42	219	118	T-2 ¼	47	443
1022	RP-11	40	157	1141WLED	LED	65	1175	1183	RP-11	40	172
1026	RP-11	40	158	1142	S-8	42	220	1184	RP-11	40	173
103	T-0 ¾	45	353	1143	RP-11	40	168	118F	T-2 ¼	47	444
1034	S-8	41	204	1143K	RP-11	40	169	1195	RP-11	41	174
1034A	S-8	41	205	1144	RP-11	40	170	1196	RP-11	41	175
1034NA	S-8	41	206	1145	RP-11	40	171	12	G-3 ½	37	43
1034NI	S-8	41	207	1152	S-8	42	221	1203	S-8	42	237
104	B-6	37	24	1154	S-8	42	222	12036 (H6W)	T-2 ¾	48	477
1044	RP-11	40	159	1155	G-6	39	109	1204	S-8	42	238
1047	RP-11	40	160	1156	S-8	42	223	12085	HiPerVision	63	1142
105	B-6	37	25	1156ALED	LED	65	1176	12086	HiPerVision	63	1143
1054	RP-11	40	161	1156DC	S-8	42	224	12086FF (PS24WFF)	HiPerVision	63	1144
1061	B-6	37	26	1156LL	S-8	42	225	12088 (PR21W)	HiPerVision	63	1145
1062	RP-11	40	162	1156NA	S-8	42	226	1209	RP-11	41	176
1073	S-8	41	208	1156NI	S-8	42	227	120MB	T-2 ½	47	435
1074	RP-11	40	163	1156RLED	LED	65	1177	120MB/6	T-2 ½	47	436
1076	S-8	41	209	1156WLED	LED	65	1178	12174NAHTR	HiPerVision	63	1146
1078	S-8	41	210	1157	S-8	42	228	(PWY24WNAHTR)			
1093	S-8	41	211	1157A	S-8	42	229	12174SVHTR	HiPerVision	63	1147
1095	S-8	41	212	1157ALED	LED	65	1179	(PWY24WSVHTR)			
1096	S-8	42	213	1157LL	S-8	42	230	12177HTR	HiPerVision	63	1148
112	TL-3	54	762	1157NA	S-8	42	231	(PW16WHTR)			

Lamp Number Index

Lamp Trade No.	Bulb	Page No.	Page Item No.	Lamp Trade No.	Bulb	Page No.	Page Item No.	Lamp Trade No.	Bulb	Page No.	Page Item No.
12180SV (PSY24WSV+)	HiPerVision	63	1149	1230	RP-11	41	177	13	G-3 ½	37	45
12180SV+	HiPerVision	63	1150	12356 (H21W)	T-2 ¾	48	478	130	G-3 ½	37	46
12182HTR (PW24WHTR)	HiPerVision	63	1151	1238	G-16 ½	37	40	1302	T-3 ¼	48	502
12184 (HPC16W)	HiPerClick	63	1138	12396NA	T-3 ¼	48	494	1308	B-6	37	30
12184NA	HiPerVision	63	1152	124	T-3 ¼	48	495	1309	B-6	37	31
12185	HiPerVision	63	1153	1240	G-16 ½	37	41	131	G-3 ½	37	47
12185 (HPC19W)	HiPerClick	63	1139	1247	G-6	39	114	1315	G-5	39	104
12188NA	HiPerVision	63	1154	12496	S-8	42	241	1317	B-6	37	32
12188NA (PSY24WNA)	HiPerVision	63	1155	12498	S-8	42	242	1321	RP-11	41	179
12190NA	HiPerVision	63	1156	12499	S-8	42	243	1323	RP-11	41	180
12190NA (PY24WNA)	HiPerVision	63	1157	124E	T-3 ¼	48	496	13256	T-3 ¼	48	503
1224	G-6	39	112	12502	S-8	42	244	1327	RP-11	41	181
1224K	G-6	39	113	12505	S-8	42	245	133	G-3 ½	38	48
12256	T-3 ¼	48	492	1251	G-6	39	115	13336MD	Halogen	62	1113
12256 (W3W)	T-3 ¼	48	493	12516	T-2 ¼	47	445	13342MD	Halogen	62	1114
1226	G-8	40	149	1252	G-6	39	116	134	G-3 ½	38	49
12271NA (HPC16WNA)	HiPerClick	63	1140	12594	S-8	42	246	13498	S-8	42	249
12272NA	HiPerVision	63	1158	127	T-3 ¼	48	497	13499	S-8	42	251
12272NA (HPC24WNA)	HiPerClick	63	1141	12814	B-6	37	27	13499	S-8	42	251
12274SV (PY24WSV)	HiPerVision	63	1159	12818	T-2 ¼	47	446	137	G-3 ½	38	50
12275NA	HiPerVision	63	1160	12821	B-6	37	28	1376	S-8	43	252
12275NA (PSY19WNA)	HiPerVision	63	1161	12829	T-1 ¾	45	357	13814	B-6	37	33
12276	HiPerVision	63	1162	12844	T-3 ¼	48	498	13818	T-2 ¼	47	447
12277	HiPerVision	63	1163	12854	T-4	52	707	13821	B-6	37	34
12278	HiPerVision	63	1164	12864	T-3 ¼	48	499	13829	T-1 ¾	46	358
1228	S-8	42	239	12913	T-3 ¼	48	500	1383	R-12	40	152
1229	S-8	42	240	12929	B-6	37	29	13844	T-3 ¼	48	504
123	G-3 ½	37	44	1293	RP-11	41	178	1385	R-12	40	153
				1295	S-8	42	247	13866	T-3 ¼	48	505
				1295NA	S-8	42	248	1388	R-12	40	154
				12961	T-3 ¼	48	501	13913	T-3 ¼	48	506
				12MB	T-2 ½	47	437	13929	B-6	37	35

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13961	T-3 ¼	49	507	1492	S-8	43	257	1638	S-8	43	271
13972	Halogen	62	1115	1493	S-8	43	258	1648	S-8	43	272
14	G-3 ½	38	51	1495	T-4 ½	52	688	1649	S-8	43	273
1408	T-3 ¼	49	508	1495X	T-4 ½	52	689	1651	S-8	43	274
1414	T-4 ½	52	686	15	G-4 ½	38	79	1651IF	S-8	43	275
1416	T-4 ½	52	687	1501	RP-11	41	182	1662	S-8	43	276
1424	S-6	41	199	1503	RP-11	41	183	1665	S-8	43	277
1434	T-5	53	720	1507	RP-11	41	184	1665AF	S-8	43	278
1445	G-3 ½	38	52	1509	RP-11	41	185	1665IF	S-8	43	279
1446	G-3 ½	38	53	152	T-3 ¼	49	515	1666	S-8	43	280
1447	G-3 ½	38	54	1533X	G-3 ½	38	58	1676	S-8	43	281
1448	G-3 ½	38	55	1534	S-6	41	200	168	T-3 ¼	49	521
1449	G-3 ½	38	56	1561	S-11	41	188	1680	S-8	43	282
1450	G-3 ½	38	57	1563	S-8	43	259	1680X	S-8	43	283
1458	G-5	39	105	1565	S-8	43	260	1683	S-8	44	284
1460	S-8	43	253	157	G-6	39	118	168ALED	LED	65	1183
1460X	S-8	43	254	158	T-3 ¼	49	516	168RLED	LED	65	1184
1464	G-5	39	106	158WLED	LED	65	1182	168WLED	LED	65	1185
1468	S-8	43	255	159	T-3 ¼	49	517	1691	S-8	44	285
1468X	S-8	43	256	1591	S-8	43	261	1691AF	S-8	44	286
147	T-3 ¼	49	509	1591AF	S-8	43	262	1691IF	S-8	44	287
1471	G-6	39	117	1594	S-8	43	263	1692	S-8	44	288
1474	T-3	51	644	160	T-3 ¼	49	518	1696	S-8	44	289
1477	T-3	51	645	1605	S-8	43	264	17	T-1 ¾	46	359
148	T-3 ¼	49	510	161	T-3 ¼	49	519	1723	S-11	41	189
1482	G-4 ½	38	77	1612	S-8	43	265	1724	S-11	41	190
1483	G-4 ½	38	78	1619	S-8	43	266	1731	S-11	41	191
1487	T-3 ¼	49	511	161B	T-3 ¼	49	520	1748	T-1 ¾	46	360
1488	T-3 ¼	49	512	1630	S-8	43	267	1748S	T-1 ¾	46	361
1489	T-5	53	721	1630X	S-8	43	268	175	T-3 ¼	49	522
149	T-3 ¼	49	513	1631X	S-8	43	269	1763	S-11	41	192
1490	T-3 ¼	49	514	1634	S-8	43	270	1777	S-8	44	290

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18	T-1 ¾	46	362	1883U	T-3 ¼	49	548	194WLED	LED	65	1189
1809	T-3 ¼	49	523	1888	T-3 ¼	49	549	195	T-3 ¼	50	567
1810	T-3 ¼	49	524	1889	T-3 ¼	49	550	1956	T-3	51	647
1813	T-3 ¼	49	525	1891	T-3 ¼	49	551	1958	T-4	52	709
1815	T-3 ¼	49	526	1892	T-3 ¼	49	552	1959	T-4	52	710
1816	T-3 ¼	49	527	1893	T-3 ¼	49	553	1962B	T-3	51	648
1818	T-3 ¼	49	528	1895	G-4 ½	38	80	1962BG	T-3	51	649
1819	T-3 ¼	49	529	1895A	G-4 ½	38	81	1962DX	T-3	51	650
182	G-3 ½	38	59	1895G	G-4 ½	38	82	1962DZ	T-3	51	651
1820	T-3 ¼	49	530	1895R	G-4 ½	38	83	1962TY	T-3	51	652
1821	T-3 ¼	49	531	1896	T-4 ½	52	691	1967	T-3	51	653
1822	T-3 ¼	49	532	1898	T-3 ¼	49	554	1968	T-3	51	654
1826	T-3 ¼	49	533	19	G-3 ½	38	60	1970	T-3	51	655
1828	T-3 ¼	49	534	1906	T-3 ¼	49	555	1970X	T-3	51	656
1829	T-3 ¼	49	535	192	T-3 ¼	49	556	1974	T-3	51	657
1831	T-3 ¼	49	536	193	T-3 ¼	49	557	1976	T-3	51	658
1832	T-3 ¼	49	537	1939X	T-7	53	756	1977	T-3	51	659
1835	T-3 ¼	49	538	193E	T-3 ¼	49	558	1978X	T-3	51	660
184	T-3 ¼	49	539	194	T-3 ¼	49	559	198	S-8	44	291
1841	T-4	52	708	1940	T-7	53	757	1982	T-3	51	661
1843	T-3 ¼	49	540	1944	T-7	53	758	1982SP	T-3	51	662
1847	T-3 ¼	49	541	1946	T-3	51	646	1983	T-4	52	711
1850	T-3 ¼	49	542	194A	T-3 ¼	49	560	1986	T-4	52	712
1850W	T-3 ¼	49	543	194ALED	LED	65	1186	1987	T-4	52	713
1851	T-3 ¼	49	544	194B	T-3 ¼	49	561	1988	T-3	51	663
1855	T-4 ½	52	690	194BLED	LED	65	1187	199	S-8	44	292
1864	T-3 ¼	49	545	194E	T-3 ¼	50	562	1990	T-2 ¼	47	448
1866	T-3 ¼	49	546	194G	T-3 ¼	50	563	1991	T-3 ¼	50	568
1873	T-3 ¼	49	547	194LL	T-3 ¼	50	564	1992	T-3 ¼	50	569
1874	T-5	53	722	194NA	T-3 ¼	50	565	1994	T-3 ¼	50	570
1876	T-5	53	723	194R	T-3 ¼	50	566	1995	T-2 ¼	47	449
1876X	T-5	53	724	194RLED	LED	65	1188	1996	T-2 ¼	47	450

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1997	T-2 ¼	47	451	212-2	T-3	51	666	2357WLED	LED	65	1196
200	G-6	39	119	212-2WLED	LED	65	1193	238	T-3 ¼	50	577
2003	T-2 ¼	47	452	2121D	TL-3	54	763	2396	S-8	44	306
2004	T-2 ¼	47	453	214-2	T-3	51	667	2397	S-8	44	307
2005	T-2 ¼	47	454	2144	S-8	44	298	24	T-2 ¾	48	479
2008	T-2 ¼	47	455	2155	S-8	44	299	243	TL-3	54	765
2009	T-2 ¼	47	456	216	T-3 ¼	50	574	243D	TL-3	54	766
2011	T-2 ¼	47	457	2162	T-1 ¾	46	365	245	G-3 ½	38	64
2014	T-3 ¼	50	571	2173	T-3 ¾	51	643	24MB	T-2 ½	47	438
2017	J-3 ¼	40	151	2175X	G-3 ½	38	61	24NA	T-2 ¾	48	480
2020	T-3 ¼	50	572	2181	T-1 ¾	46	366	25	G-3 ½	38	65
2031	S-8	44	293	2182	T-1 ¾	46	367	251	T-1 ¾	46	372
2033	T-2 ¼	47	458	2185	T-1 ¾	46	368	252	TL-1 ¾	54	759
2040	T-2 ¼	47	459	2187	T-1 ¾	46	369	253X	TL-1 ¾	54	760
2047	T-2 ¼	47	460	219	G-3 ½	38	62	2556	T-3	51	668
2057	S-8	44	294	222	TL-3	54	764	256	T-3 ¼	50	578
2057ALED	LED	65	1190	2232	S-8	44	300	257	G-4 ½	38	84
2057LL	S-8	44	295	2232SB	S-8	44	301	2577	S-6	41	201
2057NA	S-8	44	296	2233	S-8	44	302	258	G-4 ½	38	85
2057WLED	LED	65	1191	2242	S-8	44	303	2586	T-4	52	714
2058U	S-8	44	297	2286	T-3 ¼	50	575	259	T-3 ¼	50	579
2074	T-3	51	664	2286D	T-3 ¼	50	576	2604X	TL-2 ¾	54	761
2080	T-2 ¼	47	461	2309	T-1 ¾	46	370	2643	G-6	39	121
209	B-6	37	36	232	G-6	39	120	265	G-3 ½	38	66
2099	T-3 ¼	50	573	2329	T-1 ¾	46	371	267	T-3 ¼	50	580
210	B-6	37	37	233	G-3 ½	38	63	268	T-1 ¾	46	373
211	T-4 ¾	52	699	2330	RP-11	41	186	27	G-4 ½	38	86
211-2	T-3	51	665	2331	RP-11	41	187	280	T-3 ¼	50	581
211-2WLED	LED	65	1192	2357	S-8	44	304	285	T-3 ¼	50	582
2112	T-1 ¾	46	363	2357ALED	LED	65	1194	28MB	T-2 ½	47	439
2112D	T-1 ¾	46	364	2357NA	S-8	44	305	29	G-3 ½	38	67
212	T-4 ¾	52	700	2357RLED	LED	65	1195	293	G-4 ½	38	87

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301	G-5	39	107	313	T-3 ¼	50	583	344	T-1 ¾	46	385
3011	S-11	41	193	315	S-8	45	326	345	T-1 ¾	46	386
3015	S-8	44	308	3155	S-8	45	327	3456	S-8	45	339
302	G-5	39	108	3155WLED	LED	65	1200	3457	S-8	45	340
303	G-6	39	122	3156	S-8	45	328	3457ALED	LED	65	1205
304	G-6	39	123	3156K	S-8	45	329	3457NA	S-8	45	341
3047K	S-8	44	309	3156NA	S-8	45	330	3457NA/K	S-8	45	342
3047WLED	LED	65	1197	3156WLED	LED	65	1201	349	T-1 ¾	46	387
305	S-8	44	310	3157	S-8	45	331	3496	T-6	53	754
3057	S-8	44	311	3157ALED	LED	65	1202	3497	T-6	53	755
3057ALED	LED	65	1198	3157K	S-8	45	332	35	G-5 ½	39	103
3057K	S-8	44	312	3157NA	S-8	45	333	350	T-1 ¾	46	388
3057NA	S-8	44	313	3157NA/K	S-8	45	334	356	G-3 ½	38	68
3057NA/K	S-8	44	314	3157RLED	LED	65	1203	363	G-3 ½	38	69
3057WLED	LED	65	1199	3157WLED	LED	65	1204	3652	T-3 ¼	50	585
305AF	S-8	44	315	316	T-3 ¼	50	584	367	T-1 ¾	46	389
305IF	S-8	44	316	323	T-1 ¼	45	355	37	T-1 ¾	46	390
306	S-8	44	317	327	T-1 ¾	46	374	370	T-1 ¾	46	391
307	S-8	44	318	327R	T-1 ¾	46	375	3757NA	S-8	45	343
307AF	S-8	44	319	327X	T-1 ¾	46	376	376	T-1 ¾	46	392
307IF	S-8	45	320	328	T-1 ¾	46	377	378	T-1 ¾	46	393
307R	S-8	45	321	330	T-1 ¾	46	378	381	T-1 ¾	46	394
307SB	S-8	45	322	331	T-1 ¾	46	379	382	T-1 ¾	46	395
308	S-8	45	323	334	T-1 ¾	46	380	384	T-1 ¾	46	396
308AF	S-8	45	324	335	T-1 ¾	46	381	386	T-1 ¾	46	397
308IF	S-8	45	325	3357	S-8	45	335	387	T-1 ¾	46	398
309	S-11	41	194	3357K	S-8	45	336	388	T-1 ¾	46	399
31	G-4 ½	38	88	3357NA	S-8	45	337	394	T-1 ¾	46	400
310	S-11	41	195	3357NA/K	S-8	45	338	398	T-1 ¾	46	401
311	S-11	41	196	336	T-1 ¾	46	382	399	T-1 ¾	46	402
311R	S-11	41	197	337	T-1 ¾	46	383	4	T-1 ¾	46	403
312	S-11	41	198	338	T-1 ¾	46	384	40	T-3 ¼	50	586

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400	T-3 ¼	50	587	4042	PAR-36	54	772	433	G-4 ½	38	94
4000	PAR-46	56	907	4044	PAR-36	54	773	4340	PAR-36	54	779
4000A	PAR-46	56	908	4048KC	PAR-46	57	933	4343	PAR-36	54	780
4000R	PAR-46	56	909	4049	PAR-46	57	934	4350	PAR-36	54	781
4001	PAR-46	56	910	4049S	PAR-46	57	935	44	T-3 ¼	50	591
4001A	PAR-46	56	911	4056	PAR-36	54	774	4402A	PAR-36	54	782
4001B	PAR-46	56	912	4057	PAR-36	54	775	4404	PAR-36	54	783
4001R	PAR-46	56	913	4057RLED	LED	65	1206	4405	PAR-36	54	784
4002	PAR-46	56	914	4057WLED	LED	65	1207	4406	PAR-36	54	785
4002A	PAR-46	57	915	407	G-4 ½	38	89	4409	PAR-36	54	786
4002R	PAR-46	57	916	4078	PAR-46	57	936	4409X	PAR-36	54	787
4007	PAR-46	57	917	4080	PAR-46	57	937	4410	PAR-36	54	788
4007S	PAR-46	57	918	41	T-3 ¼	50	588	4411	PAR-36	54	789
4010	PAR-46	57	919	4114	S-8	45	344	4411-1	PAR-36	54	790
4012	PAR-46	57	920	4114ALED	LED	65	1208	4411R	PAR-36	54	791
4012A	PAR-46	57	921	4114WLED	LED	65	1209	4412	PAR-46	57	938
4013	PAR-46	57	922	4157ALED	LED	65	1210	4412A	PAR-46	57	939
4014	PAR-36	54	767	4157K	S-8	45	345	4413	PAR-46	57	940
4014A	PAR-36	54	768	4157NA	S-8	45	346	4413A	PAR-46	57	941
4014R	PAR-36	54	769	4157WLED	LED	66	1211	4413R	PAR-46	57	942
4015	PAR-36	54	770	4186	PAR-36	54	776	4414	PAR-36	54	792
4015A	PAR-36	54	771	42	T-3 ¼	50	589	4414A	PAR-36	54	793
4017	PAR-46	57	923	425	G-4 ½	38	90	4414AX	PAR-36	54	794
4018	PAR-46	57	924	428	G-4 ½	38	91	4414R	PAR-36	54	795
4019	PAR-46	57	925	43	T-3 ¼	50	590	4415	PAR-36	54	796
4020	PAR-46	57	926	430	G-4 ½	38	92	4415A	PAR-36	54	797
4031	PAR-46	57	927	4305	PAR-56	59	1019	4416	PAR-36	54	798
4034A	PAR-46	57	928	4308	PAR-36	54	777	4416A	PAR-36	54	799
4036	PAR-46	57	929	4310	PAR-56	59	1020	4416H	PAR-36	54	800
4037	PAR-46	57	930	4313	PAR-36	54	778	4416R	PAR-36	54	801
4037A	PAR-46	57	931	4319	PAR-56	59	1021	4419	PAR-46	57	943
4040	PAR-46	57	932	432	G-4 ½	38	93	4420	PAR-46	57	944

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4421	PAR-46	57	945	4460X-1	PAR-36	55	820	4530	PAR-46	58	963
4422	PAR-36	54	802	4461	PAR-36	55	821	4531	PAR-46	58	964
4424	PAR-36	54	803	4464	PAR-36	55	822	4532	PAR-46	58	965
4425R	PAR-36	54	804	4464R	PAR-36	55	823	4534S	PAR-46	58	966
4427	PAR-46	57	946	4466	PAR-36	55	824	4535	PAR-46	58	967
4431	PAR-46	57	947	4467	PAR-46	57	956	4537	PAR-46	58	968
4433A	PAR-56	59	1022	447	T-3 ¼	50	592	4537S	PAR-46	58	969
4433R	PAR-56	59	1023	4478	PAR-46	57	957	4541	PAR-56	59	1025
4434A	PAR-46	57	948	4480	PAR-46	57	958	4543	PAR-56	59	1026
4435	PAR-46	57	949	4490A	PAR-46	57	959	4545	PAR-56	59	1027
4435B	PAR-46	57	950	4492	PAR-46	58	960	4546	PAR-36	55	843
4435H	PAR-46	57	951	45	T-3 ¼	50	593	4546H	PAR-36	55	844
4435R	PAR-46	57	952	4502	PAR-36	55	825	4547	PAR-36	55	845
4436	PAR-46	57	953	4503	PAR-36	55	826	455	G-4 ½	38	95
4439	PAR-46	57	954	4505	PAR-36	55	827	4551	PAR-46	58	970
4440	PAR-36	54	805	4505R	PAR-36	55	828	4552	PAR-64	60	1053
4440X	PAR-36	54	806	4506	PAR-36	55	829	4553	PAR-46	58	971
4442	PAR-36	54	807	4509	PAR-36	55	830	4554	PAR-46	58	972
4443	PAR-36	54	808	4509S	PAR-36	55	831	4555	PAR-64	60	1054
4444	PAR-36	54	809	4509X	PAR-36	55	832	4556	PAR-64	60	1055
4445	PAR-36	54	810	4509Y	PAR-36	55	833	4557	PAR-64	60	1056
4446	PAR-36	54	811	4510	PAR-36	55	834	4559	PAR-64	60	1057
4449	PAR-36	54	812	4510R	PAR-36	55	835	456	G-4 ½	38	96
4454	PAR-36	54	813	4511	PAR-36	55	836	4568	PAR-36	55	846
4455A	PAR-36	54	814	4512	PAR-36	55	837	4570	PAR-46	58	973
4455R	PAR-36	54	815	4515	PAR-36	55	838	4570X	PAR-46	58	974
4456	PAR-36	54	816	4516	PAR-36	55	839	4571	PAR-46	58	975
4457	PAR-36	55	817	4516B	PAR-36	55	840	4572	PAR-46	58	976
4458	PAR-56	59	1024	4516R	PAR-36	55	841	4578	PAR-46	58	977
4459	PAR-46	57	955	4519	PAR-36	55	842	4579	PAR-46	58	978
4460	PAR-36	55	818	4522	PAR-46	58	961	4579R	PAR-46	58	979
4460X	PAR-36	55	819	4524	PAR-46	58	962	4580	PAR-46	58	980

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4581	PAR-46	58	981	4651	REC-58	60	1076	4919-1	REC-58	60	1083
4582	PAR-46	58	982	4651B	REC-58	60	1077	4921	REC-58	60	1084
4583	PAR-36	55	847	4651R	REC-58	60	1078	4S	T-1 ¾	46	404
4587	PAR-36	55	848	4652	REC-58	60	1079	50	G-3 ½	38	70
4589	PAR-36	55	849	4653	REC-58	60	1080	5001	PAR-46	58	997
4591	PAR-36	55	850	4675	PAR-36	55	864	502	G-4 ½	38	97
4593	PAR-36	55	851	4690	PAR-36	55	865	503	G-4 ½	38	98
4594	PAR-36	55	852	47	T-3 ¼	50	596	509	G-6	39	124
4595	PAR-36	55	853	4700	PAR-36	55	866	509K	G-6	39	125
4596	PAR-36	55	854	4713	PAR-36	55	867	51	G-3 ½	38	71
4596Y	PAR-36	55	855	4715	PAR-64	60	1058	52	G-3 ½	38	72
46	T-3 ¼	50	594	4750	PAR-36	55	868	53	G-3 ½	38	73
4601	PAR-36	55	856	4752	PAR-36	55	869	53R	G-3 ½	38	74
4603	PAR-36	55	857	48	T-3 ¼	50	597	53X	G-3 ½	38	75
4603X	PAR-36	55	858	4800	PAR-56	59	1028	5411	PAR-36	56	872
4606	PAR-46	58	983	4803	PAR-56	59	1029	545	T-3 ¼	50	599
4608A	PAR-46	58	984	4811	PAR-36	56	870	55	G-4 ½	38	99
4609A	PAR-36	55	859	4813	PAR-46	58	994	555	T-3 ¼	50	600
4610	PAR-46	58	985	4814	PAR-46	58	995	5557	PAR-64	60	1059
4614	PAR-36	55	860	4825R	PAR-36	56	871	558	T-3 ¼	50	601
4618	PAR-36	55	861	4860	PAR-56	59	1030	56	T-1 ¾	46	405
4619	PAR-46	58	986	4860(OR)	PAR-56	59	1031	560	T-3	52	669
4624	PAR-46	58	987	4860A	PAR-56	59	1032	561	T-3	52	670
4626	PAR-36	55	862	4863	PAR-56	59	1033	562	T-3	52	671
4627	PAR-36	55	863	4863(OR)	PAR-56	59	1034	563	T-3	52	672
4633	PAR-46	58	988	4863A	PAR-56	59	1035	564	T-3	52	673
4633A	PAR-46	58	989	4863U	PAR-56	59	1036	566	T-3	52	674
4633R	PAR-46	58	990	4880	PAR-46	58	996	567	T-3	52	675
4635	PAR-46	58	991	48MB	T-2 ½	47	440	57	G-4 ½	38	100
4636	PAR-46	58	992	49	T-3 ¼	50	598	570	T-4 ¾	52	701
4636-3	PAR-46	58	993	4912-1	REC-58	60	1081	571	T-4 ¾	52	702
464	T-3 ¼	50	595	4913-1	REC-58	60	1082	573	T-4 ¾	52	703

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575	T-4 ¾	52	704	651	PAR-56	59	1045	73E	T-1 ¾	46	413
576	T-4 ¾	52	705	652	PAR-36	56	873	74	T-1 ¾	47	414
577	T-4 ¾	52	706	655	T-3 ¼	50	603	7400	PAR-36	56	875
578	T-3	52	676	656	T-3 ¼	50	604	7400A	PAR-36	56	876
578BLED	LED	66	1212	657	T-3 ¼	50	605	7400R	PAR-36	56	877
578WLED	LED	66	1213	658	T-3 ¼	50	606	7401	PAR-36	56	878
579	T-5	53	725	67	G-6	39	131	7414Y	PAR-36	56	879
57X	G-4 ½	39	101	67K	G-6	39	132	7425A	PAR-36	56	880
585	T-3 ¼	50	602	68	G-6	39	133	7440	T-6 ¼	53	749
6	S-8	45	347	682	T-1	47	424	7440NA	T-6 ¼	53	750
6006	PAR-56	59	1037	6832	T-1	47	425	7440RLED	LED	66	1217
6012	PAR-56	59	1038	6838	T-1	47	426	7440WLED	LED	66	1218
6013	PAR-56	59	1039	6839	T-1	47	427	7441	T-6 ¼	53	751
6014	PAR-56	59	1040	685	T-1	47	428	7443	T-6 ¼	53	752
6014A	PAR-56	59	1041	70	T-1 ¾	46	406	7443ALED	LED	66	1219
6015	PAR-56	59	1042	705	S-8	45	348	7443RLED	LED	66	1220
6016	PAR-56	59	1043	71	G-6	39	134	7443WLED	LED	66	1221
6045	PAR-56	59	1044	7128	PAR-36	56	874	7444NA	T-6 ¼	53	753
605	G-4 ½	39	102	715	T-1	47	429	755	T-3 ¼	50	607
6052	REC-68	61	1103	7152	T-1	47	430	756	T-3 ¼	50	608
6053	REC-68	61	1104	7153	T-0 ¾	45	354	757	T-3 ¼	50	609
6058	REC-68	61	1105	7154	T-1	47	431	7613	PAR-36	56	881
60MB	T-2 ½	47	441	71K	G-6	39	135	767	T-2 ¼	48	462
612	G-3 ½	38	76	71M	G-6	39	136	7672	PAR-36	56	882
623	G-6	39	126	72	G-6	39	137	7715	T-1	47	432
624	G-6	39	127	73	T-1 ¾	46	407	773	T-2 ¾	48	481
63	G-6	39	128	7327	T-1 ¾	46	408	774	T-2 ¼	48	463
631	G-6	39	129	7328	T-1 ¾	46	409	777	T-2 ¼	48	464
64	G-6	39	130	737	T-1 ¼	45	356	778	T-2 ¾	48	482
6411WLED	LED	66	1214	7371	T-1 ¾	46	410	780	T-2 ¾	48	483
6418BLED	LED	66	1215	7382	T-1 ¾	46	411	782	T-2 ¾	48	484
6418WLED	LED	66	1216	7387	T-1 ¾	46	412	783	T-2 ¼	48	465

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7839	T-1	47	433	885	T-3 ¼	50	616	908	T-5	53	729
784	T-2 ¼	48	466	886	T-3 ¼	50	617	909	T-5	53	730
785	T-2 ¼	48	467	889	T-3 ¼	50	618	90MB	T-2 ½	47	442
786	T-2 ¼	48	468	89	G-6	39	141	912	T-5	53	731
787	T-2 ¼	48	469	890	T-3 ¼	50	619	912WLED	LED	66	1222
788	T-2 ¼	48	470	891	T-2 ¼	48	472	914	T-5	53	732
789	T-2 ¾	48	485	8918	T-1 ¾	47	418	9140	T-4 ½	52	695
79	T-1 ¾	47	415	892	T-3 ¼	51	620	9145	T-4 ½	52	696
790	T-2 ¾	48	486	893	T-3 ¼	51	621	915	T-5	53	733
791	T-2 ¾	48	487	893X	T-3 ¼	51	622	9155	T-4 ½	52	697
794	T-2 ¾	48	488	894	T-3 ¼	51	623	916	T-5	53	734
795	T-4	52	715	896	T-3 ¼	51	624	916NA	T-5	53	735
795X	T-4	52	716	898	T-3 ¼	51	625	917	T-5	53	736
796	T-4	52	717	899	T-3 ¼	51	626	918	T-5	53	737
797	T-4	53	718	89K	G-6	39	142	920	T-5	53	738
808	T-4	53	719	90	G-6	39	143	921	T-5	53	739
809M	G-8	40	150	9003 (H4)	Halogen	62	1116	921NA	T-5	53	740
81	G-6	39	138	9004	Halogen	62	1117	921WLED	LED	66	1223
82	G-6	39	139	9005	Halogen	62	1118	922	T-5	53	741
82X	G-6	39	140	9005XS	Halogen	62	1119	923	T-5	53	742
85	T-1 ¾	47	416	9006	Halogen	62	1120	926	T-5	53	743
86	T-1 ¾	47	417	9006XS	Halogen	62	1121	927	T-5	53	744
8605	T-1	47	434	9007	Halogen	62	1122	93	S-8	45	351
87	S-8	45	349	9008 (H13)	Halogen	62	1123	936	T-2 ¼	48	473
88	S-8	45	350	901	T-5	53	726	939	T-5	53	745
880	T-3 ¼	50	610	9011	Halogen	62	1124	94	S-8	45	352
880X	T-3 ¼	50	611	9012LL (HIR2)	Halogen	62	1125	957	T-4 ½	52	698
881	T-3 ¼	50	612	904	T-5	53	727	96	G-6	40	144
881X	T-3 ¼	50	613	9040	T-4 ½	52	692	960	T-5	53	746
882X	T-2 ¼	48	471	9045	T-4 ½	52	693	961	T-5	53	747
883	T-3 ¼	50	614	9055	T-4 ½	52	694	962	T-5	53	748
884	T-3 ¼	50	615	906	T-5	53	728	97	G-6	40	145

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97A	G-6	40	146	H4351	REC-46	60	1063	H5062	REC-58	61	1097
98	G-6	40	147	H4352	REC-46	60	1064	H6006	PAR-56	59	1047
99	G-6	40	148	H4360	REC-46	60	1065	H6015	PAR-56	60	1048
D1R	Xenon	64	1165	H4405	PAR-36	56	883	H6017	PAR-56	60	1049
D1S	Xenon	64	1166	H4460X	PAR-36	56	884	H6024	PAR-56	60	1050
D2R	Xenon	64	1167	H4467	PAR-46	58	998	H6026	PAR-56	60	1051
D2S	Xenon	64	1168	H4515	PAR-36	56	885	H6054	REC-68	61	1107
D3R	Xenon	64	1169	H4578	PAR-46	58	999	H6054CC	REC-68	61	1108
D3S	Xenon	64	1170	H4651	REC-58	61	1085	H6054LL	REC-68	61	1109
D4R	Xenon	64	1171	H4651A	REC-58	61	1086	H6059	REC-68	61	1110
D4S	Xenon	64	1172	H4651CC	REC-58	61	1087	H6060	REC-68	61	1111
D5S	Xenon	64	1173	H4651R	REC-58	61	1088	H6412	PAR-56	60	1052
DE3021	T-2 ¾	48	489	H4656	REC-58	61	1089	H6545	REC-58	61	1098
DE3021WLED	LED	66	1224	H4656CC	REC-58	61	1090	H7	Halogen	62	1133
DE3022	T-2 ¾	48	490	H4656LL	REC-58	61	1091	H7550	PAR-36	56	886
DE3022WLED	LED	66	1225	H4666	REC-58	61	1092	H7550-1	PAR-36	56	887
DE3175	T-3 ¼	51	627	H4666CC	REC-58	61	1093	H7551	PAR-36	56	888
DE3175BLED	LED	66	1226	H4701	REC-48	60	1066	H7552	PAR-36	56	889
DE3175WLED	LED	66	1227	H4703	REC-48	60	1067	H7553	PAR-36	56	890
DE3423	T-3 ¼	51	628	H4719	PAR-46	58	1000	H7554	PAR-36	56	891
DE3423WLED	LED	66	1228	H4739	REC-58	61	1094	H7555	PAR-36	56	892
DE3425	T-3 ¼	51	629	H4740	REC-58	61	1095	H7556	PAR-36	56	893
DE3425WLED	LED	66	1229	H4813	PAR-46	58	1001	H7557	PAR-36	56	894
EN1748	T-1 ¾	47	419	H4814	PAR-46	58	1002	H7600	PAR-36	56	895
EN1748S	T-1 ¾	47	420	H4880	PAR-46	58	1003	H7604	PAR-36	56	896
H1	Halogen	62	1126	H5001	PAR-46	58	1004	H7606	PAR-36	56	897
H11	Halogen	62	1127	H5006	PAR-46	58	1005	H7607	PAR-36	56	898
H11B	Halogen	62	1128	H5009	PAR-46	58	1006	H7609	PAR-46	59	1008
H15	Halogen	62	1129	H5010	PAR-46	58	1007	H7610	PAR-36	56	899
H16	Halogen	62	1130	H5024	PAR-56	59	1046	H7612	PAR-46	59	1009
H2	Halogen	62	1131	H5051	REC-58	61	1096	H7614	PAR-36	56	900
H3	Halogen	62	1132	H5054	REC-68	61	1106	H7616	PAR-36	56	901

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H7619	PAR-46	59	1010	KPR113	B-3 ½	37	3	PR31	B-3 ½	37	16
H7621-1	PAR-46	59	1011	KPR118	B-3 ½	37	4	PR32	B-3 ½	37	17
H7635	PAR-46	59	1012	KPR131	B-3 ½	37	5	PR4	B-3 ½	37	18
H7635X	PAR-46	59	1013	PC118	T-2 ¼	48	474	PR5	B-3 ½	37	19
H7921-1	REC-58	61	1099	PC119	T-2 ¼	48	475	PR7	B-3 ½	37	20
H7935-1	REC-58	61	1100	PC158	T-3 ¼	51	630	PR9	B-3 ½	37	21
H8	Halogen	62	1134	PC160	T-3 ¼	51	631	Q4011	PAR-46	59	1014
H8/H11/H16 LED	LED	65	1174	PC161	T-3 ¼	51	632	Q4405	PAR-36	56	902
H9	Halogen	62	1135	PC168	T-3 ¼	51	633	Q4509	PAR-36	56	903
H9405	REC-48	60	1068	PC168B	T-3 ¼	51	634	Q4554	PAR-46	59	1015
H9406	REC-48	60	1069	PC175	T-3 ¼	51	635	Q4559	PAR-64	60	1060
H9411	REC-48	60	1070	PC194	T-3 ¼	51	636	Q4559X	PAR-64	60	1061
H9414	REC-48	60	1071	PC194B	T-3 ¼	51	637	Q4566	PAR-46	59	1016
H9415	REC-48	60	1072	PC194B3	T-3 ¼	51	638	Q4597	PAR-46	59	1017
H9415A	REC-48	60	1073	PC194G	T-3 ¼	51	639	Q4629	PAR-64	60	1062
H9420	REC-48	60	1074	PC194R	T-3 ¼	51	640	Q4631	PAR-36	56	904
H9421	REC-48	60	1075	PC195	T-3 ¼	51	641	Q4632	PAR-36	56	905
HP4656	REC-58	61	1101	PC37	T-1 ¾	47	421	Q4681	PAR-46	59	1018
HP6054	REC-68	61	1112	PC579	T-3 ¼	51	642	Q7455	PAR-36	56	906
HP6545	REC-58	61	1102	PC74	T-1 ¾	47	422	S2	Halogen	62	1137
HPR36	T-3	52	677	PC74S	T-1 ¾	47	423				
HPR40	T-3	52	678	PC882	T-2 ¼	48	476				
HPR41	T-3	52	679	PR1	B-3 ½	37	6				
HPR50	T-3	52	680	PR12	B-3 ½	37	7				
HPR51	T-3	52	681	PR13	B-3 ½	37	8				
HPR52	T-3	52	682	PR15	B-3 ½	37	9				
HPR53	T-3	52	683	PR18	B-3 ½	37	10				
HPR54	T-3	52	684	PR2	B-3 ½	37	11				
HPR55	T-3	52	685	PR20	B-3 ½	37	12				
HS1	Halogen	62	1136	PR29	B-3 ½	37	13				
KPR102	B-3 ½	37	1	PR3	B-3 ½	37	14				
KPR103	B-3 ½	37	2	PR30	B-3 ½	37	15				



Lumileds, LLC
34119 W. Twelve Mile Road, Suite 102
Farmington Hills, MI 48331
Phone: 800-257-6054
www.philips.com/automotive

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