



# Aircraft Lighting Catalog

## AIRCRAFT LAMPS

At Amglo, our company mission is simple: Provide quality products that meet the needs of customers in a timely manner with the best customer experience. Amglo's high-quality taxi lamps are a result of our laser focus on safety and innovation. We offer highly engineered and reliable exterior lamps for all aircraft types with the goal of reducing operator cost. Our company's long history in aviation lighting began with the earliest xenon flashlamps for aircraft recognition lights. Today, all Amglo lamps are designed and certified to conform to the American National Standards Institute (ANSI) specifications and are also sold as an FAA-PMA approved part ready to export with assigned 8130-3 tags.

Additional benefits include a long lamp life that reduces operating costs, line processes to eliminate glass stress and reduced vibration to ensure durability. Having consistent light output over the life of the lamp improves safety and vibration resistance improves the life of product. All Amglo lamps are manufactured in the USA and undergo a 100% Q.C. inspection.



**Q4551**

Anglo's Q4551 provides a 10X longer life than incandescent lamps as well as a wider beam angle for better visibility.

- Maintains 75,000 candela output throughout lamp life
- Reduces airline maintenance costs significantly due to fewer lamp change-outs
- Exceeds ANSI requirements for beam angle

SPECIFICATIONS	
Lamp type	Quartz Halogen Sealed Beam Lamp
Bulb	PAR64
Base	Screw Terminal
Primary Application	Landing
Filament	CC-6
Product Technology	Halogen
Average Life (HRS.)	250

ELECTRICAL CHARACTERISTICS	
Wattage (NOM)	250W
Voltage (NOM)	28V

DIMENSIONS	
Maximum Overall Length (NOM)	3.75"
Bulb Diameter (DIA) (NOM)	5.735"

PHOTOMETRIC CHARACTERISTICS	
Beam Spread - Horizontal	50%
Beam Spread - Vertical	10%
Center Beam Candlepower (CBCP) (NOM)	75,000



**Q4559X**

Anglo engineered the Q4559X with high vibration resistance for countless takeoffs and landing procedures, and produces the highest light output on the market for increased visibility at night.

- Uses the correct Coefficient of Expansion (CoE) glass
- Extremely reliable and lightweight

SPECIFICATIONS	
Lamp type	Quartz Halogen Sealed Beam Lamp
Bulb	PAR64
Base	Screw Terminal
Primary Application	Landing
Filament	CC-6
Product Technology	Halogen
Average Life (HRS.)	100

ELECTRICAL CHARACTERISTICS	
Wattage (NOM)	600W
Voltage (NOM)	28V

DIMENSIONS	
Maximum Overall Length (NOM)	4"
Bulb Diameter (DIA) (NOM)	7.73"

PHOTOMETRIC CHARACTERISTICS	
Beam Spread - Horizontal	11%
Beam Spread - Vertical	7.5%
Max. Beam Candlepower (MBCP) (MAX)	725,000



**Q4626**

The Q4626 delivers better vibration characteristics and 3X longer life than incandescent lamps.

- Maintains 25,000 candela output throughout lamp life
- Withstands vibration conditions equal to the incandescent lamp
- Stretched filament technology meets extreme beam angle requirements

SPECIFICATIONS	
Lamp type	Quartz Halogen Sealed Beam Lamp
Bulb	PAR36
Base	Screw Terminal
Primary Application	Taxi
Filament	CC-6
Product Technology	Halogen
Average Life (HRS.)	1,000

ELECTRICAL CHARACTERISTICS	
Wattage (NOM)	150W
Voltage (NOM)	28V

DIMENSIONS	
Maximum Overall Length (NOM)	2.75"
Bulb Diameter (DIA) (NOM)	4.456"

PHOTOMETRIC CHARACTERISTICS	
Beam Spread - Horizontal	40%
Beam Spread - Vertical	9%
Center Beam Candlepower (CBCP) (NOM)	25,000



**Q4681**

Reliable and lightweight, the Q4681 delivers an increased service life for countless takeoffs and landing procedures, and offers high light output for better visibility at night.

- Maintains 270,000 candela output throughout lamp life
- Reduces airline maintenance costs significantly due to fewer lamp change-outs
- Meets and exceeds ANSI requirements

SPECIFICATIONS	
Lamp type	Quartz Halogen Sealed Beam Lamp
Bulb	PAR46
Base	Screw Terminal
Primary Application	Landing
Filament	CC-6
Product Technology	Halogen
Average Life (HRS.)	50

ELECTRICAL CHARACTERISTICS	
Wattage (NOM)	450W
Voltage (NOM)	28V

DIMENSIONS	
Maximum Overall Length (NOM)	3.125"
Bulb Diameter (DIA) (NOM)	5.735"

PHOTOMETRIC CHARACTERISTICS	
Beam Spread - Horizontal	14%
Beam Spread - Vertical	8%
Max. Beam Candlepower (MBCP) (MAX)	270,000



**Q5551**

Anglo engineered a halogen version of the 4551 common taxi light. The Q5551 lamp offers enhanced vibration characteristics and a 12X longer life.

- Stretched filament technology meets extreme beam angle requirements
- Refined filament support to ensure vibration resistance
- Exceeds ANSI life requirements

SPECIFICATIONS	
Lamp type	Sealed Beam - PAR
Bulb	PAR46
Base	Screw Terminal
Primary Application	Aircraft
Filament	CC-6
Product Technology	Halogen
Average Life (HRS.)	300

ELECTRICAL CHARACTERISTICS	
Wattage (NOM)	250W
Voltage (NOM)	28V

DIMENSIONS	
Maximum Overall Length (NOM)	3.32"
Bulb Diameter (DIA) (NOM)	5.75"

PHOTOMETRIC CHARACTERISTICS	
Beam Spread - Horizontal	48–10%
Beam Spread - Vertical	12–10%
Max. Beam Candlepower (MBCP) (MAX)	60,000



**Q5559**

The Q5559 is designed to be a longer lasting landing light for aircraft use with additional benefits that outperform other lamps by 200 hours.

- Specialized filament process prevents sag and arc-outs
- Minimized weight of the halogen capsule assembly reduces cyclic vibration failures
- Offline annealing process prevents lens cracking
- Lowest cost of ownership

SPECIFICATIONS	
Lamp type	Sealed Beam
Bulb	PAR64
Base	Screw Terminal
Primary Application	Aircraft
Filament	CC-6
Product Technology	Halogen
Average Life (HRS.)	300

ELECTRICAL CHARACTERISTICS	
Wattage (NOM)	600W
Voltage (NOM)	28V

DIMENSIONS	
Maximum Overall Length (NOM)	3.75"
Bulb Diameter (DIA) (NOM)	8.00"

PHOTOMETRIC CHARACTERISTICS	
Beam Spread - Horizontal	11–10%
Beam Spread - Vertical	7.5–10%
Center Beam Candlepower (CBCP) (NOM)	650,000
Max. Beam Candlepower (MBCP) (MAX)	650,000





**Q5587**

The Q5587 has the highest light output in the industry while still maintaining its long life over competitor lamps.

- The only version that meets the ANSI required light output
- 10X longer life than incandescent lamps

SPECIFICATIONS	
Lamp type	Quartz Halogen Sealed Beam Lamp
Bulb	PAR36
Base	Screw Terminal
Primary Application	Landing
Filament	CC-8
Product Technology	Halogen
Average Life (HRS.)	250

ELECTRICAL CHARACTERISTICS	
Wattage (NOM)	250W
Voltage (NOM)	28V

DIMENSIONS	
Maximum Overall Length (NOM)	3.75"
Bulb Diameter (DIA) (NOM)	2.75"

PHOTOMETRIC CHARACTERISTICS	
Beam Spread - Horizontal	40%
Beam Spread - Vertical	13%
Center Beam Candlepower (CBCP) (NOM)	40,000



**Q5596**

The Q5596 is extremely reliable as well as lightweight, and offers an increased service life for countless takeoffs and landing procedures.

- Highest light output in the industry for better visibility during takeoffs and landings at night
- The only version that meets the ANSI required light output
- 10X longer life than incandescent lamps

SPECIFICATIONS	
Lamp type	Quartz Halogen Sealed Beam Lamp
Bulb	PAR36
Base	Screw Terminal
Primary Application	Landing
Filament	CC-8
Product Technology	Halogen
Average Life (HRS.)	250

ELECTRICAL CHARACTERISTICS	
Wattage (NOM)	250W
Voltage (NOM)	28V

DIMENSIONS	
Maximum Overall Length (NOM)	3.75"
Bulb Diameter (DIA) (NOM)	2.75"

PHOTOMETRIC CHARACTERISTICS	
Beam Spread - Horizontal	11%
Beam Spread - Vertical	12%
Max. Beam Candlepower (MBCP) (MAX)	150,000

# Anglo Lamps

## Sealed Beam Lamps



ANSI #	VOLTS	WATTS	INITIAL BEAM CANDELPPOWER	AVERAGE LIFE (HRS.)
Q5559	28	600	650,000	300
Q4559X	28	600	765,000	100
Q5551	28	250	60,000	1,000
Q5554	28	450	70,000	1,000
Q5587	28	250	40,000	250
Q5596	28	250	150,000	250
Q4551	28	250	75,000	250
Q4553	28	250	300,000	250
Q4554	28	450	65,000	100
Q4566	28	450	150,000	1,000
Q4567	28	250	110,000	300
Q4591	28	100	90,000	250

ANSI #	VOLTS	WATTS	INITIAL BEAM CANDELPPOWER	AVERAGE LIFE (HRS.)
Q4597	28	450	16,000	1,000
Q4598	28	250	12,000	300
Q4626	28	150	25,000	750
Q4631	13	250	85,000	500
Q4632	13	250	75,000	500
Q4681	28	450	310,000	50
4537	13	100	200,000	25
4551	28	250	75,000	25
4553	28	250	300,000	25
4580	28	450	400,000	10
4626	28	150	25,000	300

## Aircraft Navigation Lamps



Anglo offers a full line of aircraft navigation lamps that support a number of functions on the exterior of the aircraft.

- Our Halogen Miniature Series illuminates aircraft wing tips to help determine aircraft position and direction
- Amglo's Miniature / PAR36 Series is utilized for wing inspection lighting and helps assist crew and maintenance for aircraft pre-flight inspection and for illumination during engine start
- The Miniature / PAR36 Series is also used to illuminate the company's logo painted on the vertical tail. While useful for advertising, the primary purpose of these lights is safety since the bright lights help make the plane more visible
- Miniature / PAR36 Series illuminates aircraft logo for ground, taxi and takeoff identification

(ANSI) P/N INDUSTRY	VOLTS	WATTS	MSCP LUMENS	AVERAGE LIFE (HRS.)
AK-HLX64621	12	100	2750	2000
9203	28	35	630	2000
1924X	28	150	3000	1000
ERF/1994	14	50	95	150
ERD/1992	14	35	64	150
ESG/1999	28	25	40	125
ERC/1991	14	25	40	200

# Amglo LED Aircraft Lighting



**01-1030-L-A**

Amglo's 01-1030-L-A provides 50,000 hours of stable light output for the life of the lamp.

- Maintains 65,000 candela output throughout lamp life
- Reduces airline maintenance costs significantly due to fewer lamp change-outs
- Replaces ANSI Part Numbers 4509, 4595
- FAA/PMA Approved

SPECIFICATIONS	
Lamp type	LED Sealed Beam Lamp
Bulb	PAR36
Base	Screw Terminal
Primary Application	Landing
Filament	Chip
Product Technology	LED
Average Life (HRS.)	50,000

ELECTRICAL CHARACTERISTICS	
Amps (NOM)	3.2A
Voltage (NOM)	9V-40V

DIMENSIONS	
Maximum Overall Length (NOM)	2.74"
Bulb Diameter (DIA) (NOM)	4.46"

PHOTOMETRIC CHARACTERISTICS	
Beam Spread - Horizontal	12° – 10.0%
Beam Spread - Vertical	6° – 10.0%
Center Beam Candlepower (CBCP) (NOM)	150,000



**01-1030-L-B**

Amglo's 01-1030-L-B provides 50,000 hours of stable light output for the life of the lamp.

- Maintains 15,000 candela output throughout lamp life
- Reduces airline maintenance costs significantly due to fewer lamp change-outs
- Replaces ANSI Part Numbers 4503, 4502, 4505, 4589, 4593
- FAA/PMA Approved

SPECIFICATIONS	
Lamp type	LED Sealed Beam Lamp
Bulb	PAR36
Base	Screw Terminal
Primary Application	Taxi
Filament	Chip
Product Technology	LED
Average Life (HRS.)	50,000

ELECTRICAL CHARACTERISTICS	
Amps (NOM)	3.2A
Voltage (NOM)	9V-40V

DIMENSIONS	
Maximum Overall Length (NOM)	2.74"
Bulb Diameter (DIA) (NOM)	4.46"

PHOTOMETRIC CHARACTERISTICS	
Beam Spread - Horizontal	80° – 10.0%
Beam Spread - Vertical	30° – 10.0%
Max. Beam Candlepower (MBCP) (MAX)	150,000

# Amglo LED Aircraft Lighting



**01-1030-4313**

Amglo's 01-1030-4313 provides 50,000 hours of stable light output for the life of the lamp.

- Maintains 150,000 candela output throughout lamp life
- Reduces airline maintenance costs significantly due to fewer lamp change-outs
- Replaces ANSI Part Numbers Q4632, 4313, Q4631
- FAA/PMA Approved

SPECIFICATIONS	
Lamp type	LED Sealed Beam Lamp
Bulb	PAR36
Base	Screw Terminal
Primary Application	Landing
Filament	Chip
Product Technology	LED
Average Life (HRS.)	50,000

ELECTRICAL CHARACTERISTICS	
Amps (NOM)	6.8A
Voltage (NOM)	14V

DIMENSIONS	
Maximum Overall Length (NOM)	2.74"
Bulb Diameter (DIA) (NOM)	4.46"

PHOTOMETRIC CHARACTERISTICS	
Beam Spread - Horizontal	13° – 10.0%
Beam Spread - Vertical	12° – 10.0%
Center Beam Candlepower (CBCP) (NOM)	150,000



**01-1030-4596**

Amglo's 01-1030-4596 provides 50,000 hours of stable light output for the life of the lamp.

- Maintains 150,000 candela output throughout lamp life
- Reduces airline maintenance costs significantly due to fewer lamp change-outs
- Replaces ANSI Part Numbers 4596, Q5596
- FAA/PMA Approved

SPECIFICATIONS	
Lamp type	LED Sealed Beam Lamp
Bulb	PAR36
Base	Screw Terminal
Primary Application	Landing
Filament	Chip
Product Technology	LED
Average Life (HRS.)	50,000

ELECTRICAL CHARACTERISTICS	
Amps (NOM)	3.6A
Voltage (NOM)	28V

DIMENSIONS	
Maximum Overall Length (NOM)	2.74"
Bulb Diameter (DIA) (NOM)	4.46"

PHOTOMETRIC CHARACTERISTICS	
Beam Spread - Horizontal	11° – 10.0%
Beam Spread - Vertical	12° – 10.0%
Max. Beam Candlepower (MBCP) (MAX)	150,000



# Amglo LED Aircraft Lighting



**01-1030-4587**

Amglo's 01-1030-4587 provides 50,000 hours of stable light output for the life of the lamp.

- Maintains 50,000 candela output throughout lamp life
- Reduces airline maintenance costs significantly due to fewer lamp change-outs
- Replaces ANSI Part Numbers 4591, Q4591, 4594, Q4594, 4587, Q5587, 4626, Q4626, 4627
- FAA/PMA Approved

SPECIFICATIONS	
Lamp type	LED Sealed Beam Lamp
Bulb	PAR36
Base	Screw Terminal
Primary Application	Taxi
Filament	Chip
Product Technology	LED
Average Life (HRS.)	50,000

ELECTRICAL CHARACTERISTICS	
Amps (NOM)	3.6A
Voltage (NOM)	28V

DIMENSIONS	
Maximum Overall Length (NOM)	2.74"
Bulb Diameter (DIA) (NOM)	4.46"

PHOTOMETRIC CHARACTERISTICS	
Beam Spread - Horizontal	12° – 10.0%
Beam Spread - Vertical	6° – 10.0%
Center Beam Candlepower (CBCP) (NOM)	50,000



**01-1030-4580**

Amglo's 01-1030-4580 provides 50,000 hours of stable light output for the life of the lamp.

- Maintains 250,000 candela output throughout lamp life
- Reduces airline maintenance costs significantly due to fewer lamp change-outs
- Replaces ANSI Part Numbers 4553, 4566, Q4566, 4580, 4581, Q4681, Q4566
- FAA/PMA Approved

SPECIFICATIONS	
Lamp type	LED Sealed Beam Lamp
Bulb	PAR46
Base	Screw Terminal
Primary Application	Landing
Filament	Chip
Product Technology	LED
Average Life (HRS.)	50,000

ELECTRICAL CHARACTERISTICS	
Amps (NOM)	3.6A
Voltage (NOM)	28V

DIMENSIONS	
Maximum Overall Length (NOM)	3.125"
Bulb Diameter (DIA) (NOM)	5.735"

PHOTOMETRIC CHARACTERISTICS	
Beam Spread - Horizontal	16.0° – 10.0%
Beam Spread - Vertical	12.0° – 10.0%
Max. Beam Candlepower (MBCP) (MAX)	250,000

# Amglo LED Aircraft Lighting



**01-1030-4554**

Amglo's 01-1030-4554 provides 50,000 hours of stable light output for the life of the lamp.

- Maintains 100,000 candela output throughout lamp life
- Reduces airline maintenance costs significantly due to fewer lamp change-outs
- Replaces ANSI Part Numbers 4570, 4571, 4572, 4551, Q4551, Q4554, Q5554
- FAA/PMA Approved

SPECIFICATIONS	
Lamp type	LED Sealed Beam Lamp
Bulb	PAR46
Base	Screw Terminal
Primary Application	Landing
Filament	Chip
Product Technology	LED
Average Life (HRS.)	50,000

ELECTRICAL CHARACTERISTICS	
Amps (NOM)	3.6A
Voltage (NOM)	28V

DIMENSIONS	
Maximum Overall Length (NOM)	3.125"
Bulb Diameter (DIA) (NOM)	5.735"

PHOTOMETRIC CHARACTERISTICS	
Beam Spread - Horizontal	50.0° – 10.0%
Beam Spread - Vertical	10.0° – 10.0%
Center Beam Candlepower (CBCP) (NOM)	100,000



**01-1030-4559**

Amglo's 01-1030-4559 provides 50,000 hours of stable light output for the life of the lamp.

- Maintains 420,000 candela output throughout lamp life
- Reduces airline maintenance costs significantly due to fewer lamp change-outs
- Replaces ANSI Part Numbers 4559, Q4559, Q4559X, Q4559XX
- FAA/PMA Approved

SPECIFICATIONS	
Lamp type	LED Sealed Beam Lamp
Bulb	PAR64
Base	Screw Terminal
Primary Application	Landing
Filament	Chip
Product Technology	LED
Average Life (HRS.)	50,000

ELECTRICAL CHARACTERISTICS	
Amps (NOM)	7.2A
Voltage (NOM)	28V

DIMENSIONS	
Maximum Overall Length (NOM)	4"
Bulb Diameter (DIA) (NOM)	7.73"

PHOTOMETRIC CHARACTERISTICS	
Beam Spread - Horizontal	12.0° – 10.0%
Beam Spread - Vertical	8.0° – 10.0%
Max. Beam Candlepower (MBCP) (MAX)	420,000



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