



# 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 ANSI (American National Standards Institute) specifications and are also sold as a 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 ensuring 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**



**Q4559X**

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

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                         |
| Rated Life (NOM) .  | 250 hrs                         |

| 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 |

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

| 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 |

# Anglo Aircraft Lighting



**Q4626**



**Q4681**

The Q4626 delivers better vibration characteristics and 3X greater 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

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                | PAR36                           |
| Base                | Screw Terminal                  |
| Primary Application | Taxi                            |
| Filament            | CC-6                            |
| Product Technology  | Halogen                         |
| Rated Life (NOM) .  | 1,000 hrs                       |

## 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 |

## SPECIFICATIONS

|                     |                                 |
|---------------------|---------------------------------|
| Lamp type           | Quartz Halogen Sealed Beam Lamp |
| Bulb                | PAR46                           |
| Base                | Screw Terminal                  |
| Primary Application | Landing                         |
| Filament            | CC-6                            |
| Product Technology  | Halogen                         |
| Rated Life (NOM) .  | 50 hrs                          |

## 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**



**Q5559**

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           |
| Rated Life (NOM) .  | 300 hrs           |

| 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 |

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 that 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        |
| Rated Life (NOM) .  | 300 hrs        |

| 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 |

# Anglo Aircraft Lighting



**Q5587**



**Q5596**

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 greater life than incandescent lamps

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 greater 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                         |
| Rated Life (NOM) .  | 250 hrs                         |

| 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 |

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

| 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 |

# Amglo Lamps

## Sealed Beam Lamps



| ANSI # | VOLTS | WATTS | INITIAL BEAM CANDELPPOWER | AMGLO RATED LIFE |
|--------|-------|-------|---------------------------|------------------|
| 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 | AMGLO RATED LIFE |
|--------|-------|-------|---------------------------|------------------|
| 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



Amglo 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 / PAR 36 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 / PAR 36 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 / PAR 36 Series illuminates aircraft logo for ground, taxi and takeoff identification

| (ANSI) P/N INDUSTRY | VOLTS | WATTS | MSCP LUMENS | RATED LAB LIFE |
|---------------------|-------|-------|-------------|----------------|
| AK-HLK64621         | 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            |



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