



# Airfield Lighting Catalog

Amglo airfield lighting products are designed and rigorously tested to provide the utmost in safety for airfield taxiway, runway and approach systems. Engineered to overcome extreme weather and vibrations, our full array of airfield lighting solutions have been meeting the demands of airfield and airport operators around the globe for more than eight decades. The longevity of these lights help to improve uptime and reduce overall operating costs and IR radiation provides guidance in all-weather conditions for even greater safety. All Amglo airfield lighting products are made in the USA, receive a 100% Q.C. inspection and are FAA compliant.

# Specific Lamp Uses

An overview of the wide variety of Amglo lighting systems that support airfields and airports around the world.

## Inset Runway Approach Lights

EXM/EXL Series Lamps are for inset runway lighting to help safely guide pilots and aircraft to and from the runway.

## MALSR Landing System

PAR 38/56 Series Halogen Lamps for MALSR landing systems allow pilots during instrument landing approach to align the aircraft with the centerline of the runway.

## PAPI Systems

PAR and MR16 Series Halogen Lamps keep PAPI systems up and running to assist pilots in acquiring and maintaining the correct approach to an airport.

## VASI Systems

PAR 56/64 Series Halogen Lamps keep VASI systems up and operational to assist pilots with visual descent guidance information during the approach to a runway.

## Taxiway Lights

EXM/EXL Series Lamps help guide pilots and aircraft safely to and from the runway.

## Obstruction Lighting

Xenon Flash Lamp Series helps illuminate various obstructions and tower structures around the airfield to improve safety for aircraft and vehicles.

## Airport Beacons

Depending on the application, flash lamps or halogen lamps can assist in providing the correct illumination application for airport beacon operation.

## Taxiway Edge

EXM/EXL Series Lamps are ideal for taxiway edge lighting applications and assist pilots with maneuvering aircraft on taxiways in darkness or in restricted visibility conditions.

## Runway Edge

EXM/EXL series lamps are ideal for runway edge lighting applications and assist pilots landing aircraft in darkness or restricted visibility conditions.

## Runway Centerline

MR16 Series Lamps provide crucial visual guidance for pilot and aircraft during approach, landing and takeoff.

## Taxiway Centerline

MR16 Series Lamps provide visual guidance to persons exiting the runway and warn pilots and vehicle drivers that they are within the runway environment.

## Airfield Guidance Sign

M16 Series are dedicated to providing illumination for all important airport guidance signs, providing direction and information to taxiing aircraft and airport vehicles.

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## PAR56 Flame Sealed Lamps



### PAR56 MALSR Approach Lighting:

Airfield requirements are stringent when it comes to light output. Amglo's PAR56 approach lighting system was developed to comply with FAA requirements. Our strict internal process controls result in consistent photometric performance. The PAR56 MALSR also has a high light output and wide beam coverage well suited for critical Category III conditions with short runway visual range (RVR). The lamp is hermetically sealed creating a tight weatherproof seal.

### Additional benefits include:

- FAA approved
- Manufactured in the USA under strict process controls
- Highest quality in the industry
- Weather resistant for any external environment
- Superior reliability
- Wide beam coverage

ANSI	GE	AMGLO PART NUMBER	CURRENT A	WATTAGE W	BASE	CANDELA	AVERAGE LIFE (HRS.)	FILAMENT
Q6.6A / PAR56 / 3	33279	AHQH56-6.6A-200W-CS	6.6A	200	Screw Terminal	200,000	1,000	CC-6
Q6.6A / PAR56 / 2	38271	AHQH56-6.6A-200W-PM	6.6A	200	Mogul End Prong	16,000	1,000	CC-6
Q20A / PAR56 / 2	32861	AHQH56-20A-300W-CS	20A	300	Screw Terminal	200,000	500	C-6
Q20A / PAR56 / C	15482	*AHQH56-20A-300W-PM	20A	300	Mogul End Prong	28,000	500	C-6
Q20A / PAR56 / 3	23863	AHQH56-20A-500W-CS	20A	500	Screw Terminal	330,000	500	CC-6
Q20A / PAR56 / 1 / C	15485	*AHQH56-20A-500W-PM	20A	500	Mogul End Prong	55,000	500	CC-6
Q6.6A / PAR64 / 2P	13224	AHQH64-6.6A-200W-FM	6.6A	200	Mogul End Prong	20,000	2,000	CC-6

## MR16 Lamps



### PAPI Lighting:

Amglo MR16s last up to three times longer than similar products on the market today. Cement out-gassing in MR16 lamps used in airfield applications have been virtually eliminated. It was revealed that temperatures in the fixtures holding two lamps or more during lamp operating temps were measured in excess of 350°C. Under these high temperatures, the cement in the reflector would out gas onto the lamp reflector and the lens in the fixture.

ANSI	PHILIPS	OSRAM	AMGLO PART NUMBER	CURRENT A	WATTAGE W	BASE	CONNECTOR	CANDELA	AVERAGE LIFE (HR.)	FILAMENT
6.6A 48W MR16	6138	64338 AC	AHQ16-6.6A-48WP-WCXY	6.6	48	Cable	Male / Female	25,000	1,000	C-8
6.6A 48W MR16	6106	64337 C	AHQ16-6.6A-48WP-WCX	6.6	48	Cable	Male	25,000	1,500	C-8
	6107									
6.6A 48W MR16	6109	64337 B	AHQ16-6.6A-48WA-WCRY	6.6	48	Cable	Female Round	25,000	1,500	C-8
	6129									
6.6A 48W MR16	6101	64337 A	AHQ16-6.6A-48WA-WCY	6.6	48	Cable	Female	25,000	1,500	C-8
6.6A 60W MR16			AHQ16-6.6A-60WN-WCX	6.6	60	Cable	Male	32,000	500	C-6
6.6A 60W MR16			AHQ16-6.6A-60WN-WCY	6.6	60	Cable	Female	32,000	500	C-6
6.6A 62W MR16	6142		AHQ16-6.6A-62WN-39M	6.6	62	Cable	GX5.3	22,500	1,000	C-6
6.6A 62W MR16	6141	64336 A	AHQ16-6.6A-62WN-WCY	6.6	62	Cable	Female	22,500	1,000	C-6
6.6A 62W MR16			AHQ16-6.6A-62WN-WCX	6.6	62	Cable	Male	22,500	1,000	C-6
6.6A 105W MR16	6108	64339 C	AHQ16-6.6A-105WR-WCX	6.6	105	Cable	Male	30,000	1,000	C-8
	6103									
6.6A 105W MR16	6105	64339 A	AHQ16-6.6A-105WR-WCY	6.6	105	Cable	Female	30,000	1,000	C-8
6.6A 105W MR16		64339 B	AHQ16-6.6A-105WR-WCRY	6.6	105	Cable	Female Round	30,000	1,000	C-8
6.6A 150W MR16			AHQ16-6.6A-150WM-WCY	6.6	150	Cable	Female	30,000	1,000	C-8
6.6A 150W MR16			AHQ16-6.6A-150WM-WCX	6.6	150	Cable	Male	30,000	1,000	C-8

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## Airfield Bi-Pin Lamps



Amglo lamps are ideal for runway edge lighting applications and assist pilots landing aircraft in darkness or restricted visibility conditions.

- Reduced operation and maintenance costs due to long lifetime
- Instant and constant light output over the lamp life
- Flicker-free operation

ANSI	PHILIPS	OSRAM	GE	AMGLO PART NUMBER	CURRENT A	WATTAGE W	BASE	LUMINOUS FLUX (LM)	AVERAGE LIFE (HR.)	FILAMENT
EXL	6112LL	64322	11478	AHV-6.6A-30WD-40CM	6.6A	30	GZ9.5	375	1,000	C-8
EXM	6134LL	64320	11482	AHV-6.6A-45WH-40CM	6.6A	45	GZ9.5	750	1,000	C-8
EVV	6128	58798	10099	AHQ4C-6.6A-120WS-49CM	6.6A	120	GZ9.5	3,150	500	C-bar-6
EWR	6292	64354	11427	AHQ4C-6.6A-150WT-49CM	6.6A	150	GZ9.5	4,100	500	C-bar-6
EWR *LL	6292	64354	11427	AHQ4C-6.6A-150WQ-49CM	6.6A	150	GZ9.5	3,600	1,000	C-bar-6
EZL	6372LL	58750	15243	AHQ4C-6.6A-200WR-49CM	6.6A	200	GZ9.5	5,000	750	C-bar-6
6.6A 45W	6123	64321		AHV-6.6A-45WH-00	6.6A	45	G6.35	840	1,200	C-8
6.6A 100W	6343	64346		AHQ4C-6.6A-100WP-00	6.6A	100	G6.35	2,300	1,200	C-bar-6
6.6A 200W	6373	64386		AHQ4C-6.6A-200WR-00	6.6A	200	G6.35	4,700	1,200	C-bar-6

## Xenon Airport Runway Flash Lamps



### REIL PAR56 Xenon HV1-734QF:

The airfield industry has very stringent light output requirements related to airfield approach lighting designed to significantly enhance the safety of aircraft operations, especially in reduced visibility conditions. The industry continues to rely heavily on Amglo's internal process controls to provide consistent photometric performance.

- FAA approved
- Weather resistant for any external environment
- Manufactured in the USA under strict process controls
- Highest quality in the industry
- Superior reliability
- Longer flashtube life
- Safety interlocks in control unit and flash head

TYPE	AMGLO PART NUMBER	MAX VOLTAGE	MIN VOLTAGE	NOM. VOLTAGE	JOULES	FLASHES (SEC)	LIFE (FLASHES)	WATTS	MIN. TRIGGER
ALSE2/SSALR,FA-10048, MALS/ MALSR, FA- 10097,98, FA9629, 30: REIL: FA 10229, FA- 10096,1 24,125, FA-9628	HVI-734Q Par 56	2250 V	1800 V	2000 V	60 W-S	120 / minute	7,200,000	120W	10.0 KV
REIL: FA-87 67,SYLVA NIA CD 2001-A	R-4336	2200 V	1800 V	2000 V	60 W-S	120 / minute	3,600,000	120W	9.0 KV
MALS/MALSR, FA-9994, FA9877, FA9425, 26	H5-801Q	2300 V	1900 V	2000 V	60 W-S	120 / minute	18,000,000	118W	10.0 KV

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## PAR38 MALSR



Amglo's PAR38 MALSR offers a high light output and wide beam coverage that is well suited for critical Category III conditions with short runway visual range (RVR). Additional benefits include:

- FAA approved
- Weather resistant for any external environment
- Highest quality in the industry
- Superior reliability
- Wide beam coverage

PART NUMBER	PAR	VOLTAGE	WATTS	CANDELA	BASE	SERVICE LIFE (HR.)
60PAR38/SP10/120B/AK	38	120V	60W	15,000	E26	1,100


## Halogen Airfield Lamps Pre-focus PK30D and DCR




ANSI DESCRIPTION	PHILIPS	OSRAM	GE	AMGLO PART NUMBER	CURRENT A	WATTAGE W	BASE	CONNECTOR	LUMINOUS FLUX (LM)	AVERAGE LIFE (HR.)	FILAMENT
6.6A 30W PK30D				AHQ4V-6.6A-30WJ-90WX	6.6	30	PK30D	Male	400	1,000	C-8
6.6A 30W PK30D				AHQ4V-6.6A-30WJ-90WY	6.6	30	PK30D	Female	400	1,000	C-8
6.6A 45W PK30D	6303 6131	64317 C 64318 Z	80583	AHQ4V-1G-6.6A-45WJ-90WX	6.6	45	PK30D	Male	800	1,000	C-8
6.6A 45W PK30D	6130	64318 A 64319 A	80587	AHQ4V-1G-6.6A-45WJ-90WY	6.6	45	PK30D	Female	800	1,000	C-8
6.6A 45W PK30D	6115 6133	64319 Z	80583	AHQ4V-6.6A-45WJ-90WX	6.6	45	PK30D	Male	800	1,000	C-8
6.6A 65W PK30D	6304	64328 HLX Z		AHQ4V-6.6A-65WN-90WX	6.6	65	PK30D	Male	1,450	1,000	C-6
6.6A 65W PK30D	6125	64328 HLX A		AHQ4V-6.6A-65WN-90WY	6.6	65	PK30D	Female	1,450	1,000	C-6
6.6A 100W PK30D	6116 6122 6312	64342 HLX Z 64342 HLX C	80584	AHQ4C-6.6A-100WT-90WX	6.6	100	PK30D	Male	2,700	1,000	C-bar 6
6.6A 100W PK30D	6120 6121	64341 HLX A	80588	AHQ4C-6.6A-100WT-90WY	6.6	100	PK30D	Female	2,700	1,000	C-bar 6
6.6A 150W PK30D	6392	64361 HLX Z	80585	AHQ4C-6.6A-150WQ-90WX	6.6	150	PK30D	Male	3,600	1,000	C-bar 6
6.6A 150W PK30D	6118	64361 HLX A	80589	AHQ4C-6.6A-150WQ-90WY	6.6	150	PK30D	Female	3,600	1,000	C-bar 6
6.6A 200W PK30D	6117 6313	64382 HLX C	80586	AHQ4H-6.6A-200WP-90WX	6.6	200	PK30D	Male	4,800	1,000	CC-6
6.6A 200W PK30D	6139	64382 HLX A	80590	AHQ4H-6.6A-200WP-90WY	6.6	200	PK30D	Female	4,800	1,000	CC-6
Q45T4/CU45DCR			14473	AHQ4H-6.6A-45WF-22CM	6.6	45	DCR	DC Bay	845	500	C-6
Q6.6AT4/200DCR			23860	AHQ4H-6.6A-200WR-22CM	6.6	200	DCR	DC Bay	5,150	500	CC-6



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