



# LIGHTING

**AMERICAN LAMPS & LIGHTING LTD.**  
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# PHILIPS

**World's  
No 1 Lightmaker**

CI/SIB	(63.9)
UDC	696.6:628.94

## LOW VOLTAGE HALOGEN-SPOT LAMPS

### Display Reflector Lamps

#### RANGE

Two families of integral reflector lamps in a variety of wattages and beam angles:-

■ **Robust aluminium halogen-spots** having small bayonet caps and protective front glasses.

6V 15W (two beam widths) as used in the Lightpoint.

6V 35W (two beam widths) giving an ultra-narrow, powerful accent.

12V 20W (three beam widths)

12V 50W (two beam widths)

■ **2-Pin dichroic reflector glass types** giving cooler light beams.

12V 20W (two beam widths)

12V 50W (three beam widths)

12V 75W (three beam widths)

#### APPLICATIONS

Discretely small, yet remarkably efficient these ranges cover any accent lighting need, from long-range narrow beams to unobtrusive close-up display, to add sparkle and elegance.

#### FEATURES

- Constant white light output through long life.
- Choice of beam angles in each rating.
- Lower energy costs.
- Aluminium Halogen-Spots have strong durable bayonet fixing, protective front glass and efficient integral reflectors for lasting, bright performance.
- Dichroic reflector types give a reduced heating effect on the subject.

Handbook Ref.

**5.1.4/1**

To reorder this Data Sheet quote

**PL 1898/7**

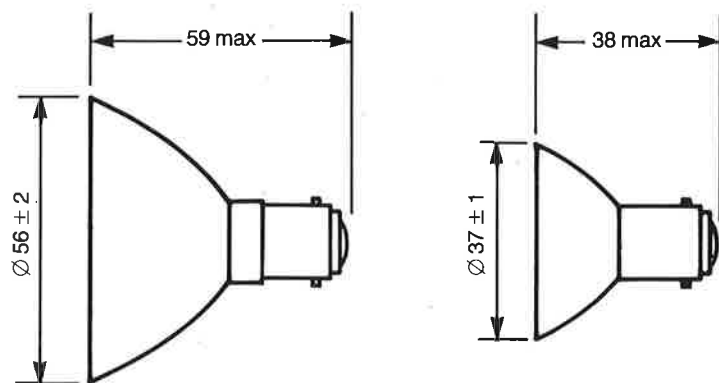
Issued 8.85

Replaces PL 1898/6

**LAMPS INCANDESCENT**

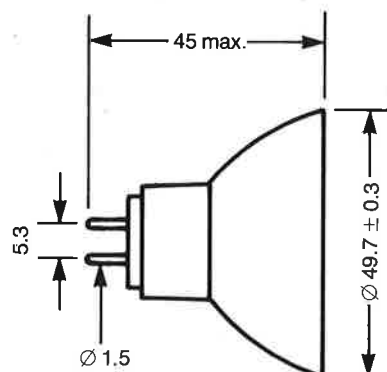
## LOW VOLTAGE HALOGEN-SPOT LAMPS

Aluminium Halogen Spots : Small bayonet



All Dimensions in mm

Dichroic : GX5-3 2-pin



### ALUMINIUM HALOGEN SPOTS, SMALL BAYONET FITTING ORDERING AND GENERAL DATA

Cat. No.	Can Replace ±	Watts	Volts	Beam Angle to ½ peak	Average Life (hrs)	Lux at 1 metre: Centre Cd	Lux at 2 metres	Lux at 3 metres	Lux at 4 metres	fig	Packing Qty.
6425	— GBB	6	15	4°	2000	12000	3000	1330	750	1	10
6424	— GBA	6	15	6°	2000	6200	1560	690	390	2	10
6433	M53, GBD	12	20	6°	2000	7000	1750	770	430	2	10
6434	M54, GBE	12	20	18°	2000	1400	350	150	85	2	10
6435	M63, GBF	12	20	32°	2000	350	85	—	—	2	10
6429	— GBG	6	35	6°	2000	15500	3870	1720	970	1	10
6430	— GBH	6	35	14°	2000	3500	870	390	220	1	10
6438	M57, GBJ	12	50	10°	2000	11000	2750	1220	690	1	10
6439	M56, GBK	12	50	25°	2000	1900	480	210	120	1	10

±M series lamps have dichroic reflectors.

### 2-PIN DICHRIC HALOGEN SPOTS ORDERING AND GENERAL DATA

Cat. No.	Can Replace	Watts	Volts	Beam Angle to ½ peak	Average Life (hrs)	Lux at 1 metre: Centre Cd	Lux at 2 metres	Lux at 3 metres	Lux at 4 metres	fig	Packing Qty.
6460	— ESX	12	20	12°	2000	3300	820	370	200	3	10
6464	— BAB	12	20	36°	2000	460	120	50	—	3	10
6440	M49, —	12	50	8°	2000	14000	3500	1550	880	3	10
6441	M50, EXZ	12	50	25°	2000	3000	750	330	190	3	10
6461	M58, EXN	12	50	40°	2000	1500	370	170	94	3	10
6442	— —	12	75	10°	2000	16500	4120	1830	1030	3	10
6455	— —	12	75	25°	2000	3500	870	380	220	3	10
6459	— EYC	12	75	38°	2000	2000	500	200	125	3	10

Burning position : Universal.

Dichroic reflectors reduce by 60% the heat forward. Consequently higher temperatures can be generated behind the lamp than for comparable aluminium reflectors.

In common with all filament lamps the life expectancy is greatly influenced by the actual lamp voltage value.

Other single-ended halogen lamps used in display lighting are shown under "Miscellaneous Projection Lamps".

Made in W. Germany

Products offered for sale may differ from those described or illustrated in this leaflet due to later production changes in specifications, components or place of manufacture. The contents of this leaflet are therefore not to be treated as representations as to the current availability of products as described, or as to products actually offered for sale.

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