

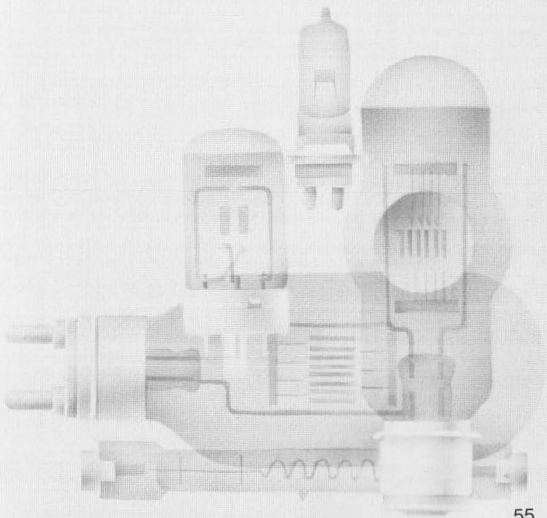
**PHILIPS**

**compact  
lighting  
catalogue**



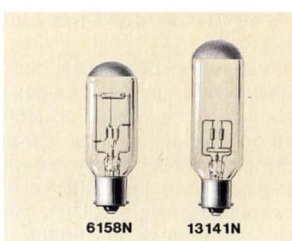
## PROJECTION AND CINE LIGHTING

Philips' vast experience in designing and making accurately dimensioned light sources has also resulted in an extensive range of high-precision projection and cine lamps. Perfection in projection. Lamps for narrow-gauge film and slide projectors, mirror condenser lamps, overhead projector lamps, studio lamps, all have one thing in common: perfect and reliable operation. Only a small selection of the most important types are featured here. For further details please contact your Philips National Organization. Philips' service and expert advice on projection and cine lighting problems – based on the latest research and development – are available to all who wish to make use of them.

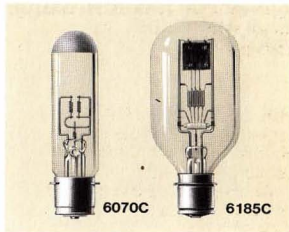


# LAMPS FOR NARROW-GAUGE FILM AND SLIDE PROJECTORS

Philips range of normal-type projector lamps is second to none for luminous efficacy, concentrated filaments with optimum luminous intensity and minimum manufacturing tolerances.



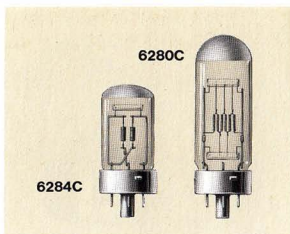
Type	Wattage W	Voltage V	Max. length	Average life h	Base	Burning position	Ordering number
7238N	100	12	78	25	B15s	S15	9222 051 171 ..
6158N	100	120	78	25	B15s	S15	9222 051 363 ..
		130					9222 051 361 ..
		220					9222 051 429 ..
		230					9222 051 442 ..
		240					9222 051 455 ..
13141N	150	115	90	25	B15s	S15	9222 101 344 ..
		130					9222 101 361 ..
		220					9222 101 429 ..
		230					9222 101 442 ..
		240					9222 101 455 ..
		250					9222 101 462 ..
7066N	300	120	81	25	B15s	S15	9222 160 363 ..
		220					9222 160 429 ..
		240					9222 160 455 ..
6152C	500	100	135	25	P28s	S15	9222 201 309 ..
		110					9222 201 319 ..
		115					9222 201 344 ..
		120					9222 201 363 ..
		125					9222 201 355 ..
		220					9222 201 429 ..
		230					9222 201 442 ..
		240					9222 201 455 ..
250	9222 201 462 ..						
6153C	750	100	140	25	P28s	S15	9222 231 309 ..
		110					9222 231 319 ..
		115					9222 231 344 ..
		130					9222 231 361 ..
		220					9222 231 429 ..
		230					9222 231 422 ..
		240					9222 231 455 ..
250	9222 231 462 ..						
7242C	1000	110	140	25	P28s	S15	9222 270 319 ..
		115					9222 270 344 ..
		130					9222 270 361 ..
		220					9222 270 429 ..
		230					9222 270 442 ..
240	9222 270 455 ..						



## LAMPS FOR NARROW-GAUGE FILM AND SLIDE PROJECTORS

Type	Wattage W	Voltage V	Max. length	Average life h	Base	Burning position	Ordering number
6070C	250	220	135	50	P28s	S15	9222 146 429 ..
		230					9222 146 442 ..
		240					9222 146 455 ..
		250					9222 146 462 ..
7212N	300	110	105	25	B15s	S15	9222 152 319 ..
		120					9222 152 363 ..
		220					9222 152 429 ..
		230					9222 152 442 ..
		240					9222 152 455 ..
6131C	300	115	135	25	P28s	S15	9222 153 344 ..
		125					9222 153 355 ..
		220					9222 153 429 ..
		230					9222 153 442 ..
		240					9222 153 455 ..
		250					9222 153 462 ..
6185C	1000	110	140	25	P28s	S15	9222 274 319 ..
		220					9222 274 429 ..
		230					9222 274 442 ..
7909J	100	12	79	25	B21s-4	S15	9222 069 171 ..
6067C	100	220	135	25	P28s	S15	9222 057 429 ..
		250					9222 057 462 ..
13140C	150	220	135	25	P28s	S15	9222 104 429 ..
		230					9222 104 442 ..
6166N	200	115	90	25	B15s	S15	9222 121 344 ..
		220					9222 121 429 ..

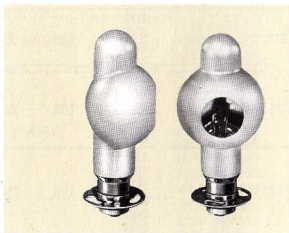
## LAMPS FOR NARROW-GAUGE FILM AND SLIDE PROJECTORS



Type	Wattage W	Voltage V	Max. length	Average life h	Base	Burning position	Ordering number
6289C	150	24	103	25	G17q	S15	9222 107 205 ..
6284C	150	220	76	25	G17q	S15	9222 105 429 ..
		230					9222 105 442 ..
		240					9222 105 455 ..
6280C	300	220	103	25	G17q	S15	9222 162 429 ..
		230					9222 162 442 ..
		240					9222 162 455 ..
6282C	500	110	103	25	G17q	S15	9222 212 319 ..
		220					9222 212 429 ..
		230					9222 212 442 ..
		240					9222 212 455 ..

## MIRROR CONDENSER LAMP FOR FILM PROJECTORS

Narrow-gauge film projector lamp with internal ellipsoidal mirror for use without separate condenser lens. For low power consumption, this lamp achieves screen brilliance equal to many conventional lamps of much higher wattage.

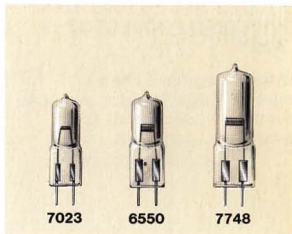


Type <sup>1)</sup>	Wattage W	Voltage V	Average life h	Base	Burning position	Ordering number
13120C	50	8	25	P30s	S15	9222 014 145 ..

<sup>1)</sup> Max. length 96.

## HALOGEN LAMPS FOR FILM AND SLIDE PROJECTORS

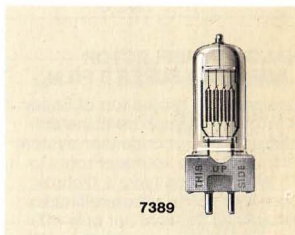
Quartz halogen lamps for 8 and 16 mm film and slide projectors. They maintain their high luminous intensity throughout the entire lamp life. The lamps have excellent colour rendering.



Type	Wattage W	Voltage V	Max. length	Average life h	Base	Burning position	Ordering number
7027	50	12	44	50	G6,35-15	S90	9238 702 171 ..
7023	100	12	44	50	GY6,35-15	S90	9238 700 171 ..
6550	150	15	44	50	G6,35-15	S90	9238 706 185 ..
7158	150	24	50	50	G6,35-15	S90	9238 705 205 ..
7748	250	24	55	50	G6,35-15	S90	9238 708 205 ..
7787	400	36	60	50	G6,35-20	S90	9238 714 233 ..

## HALOGEN OVERHEAD PROJECTOR LAMPS

Halogen overhead projector lamps for use with mains voltages, with precisely aligned grid-type filaments. Can be used in horizontal position. Available in 500 W, 800 W and 900 W. Three types with proximity reflector.

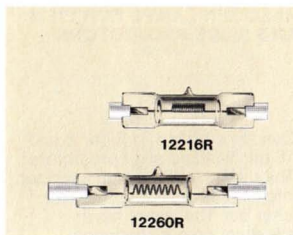


Type	Wattage W	Voltage V	Max. length	Average life h	Base	Burning position	Ordering number
7389	500	220/230 240/250	75	50	GY9,5	S90	9238 716 432 .. 9238 716 457 ..
6968 <sup>1)</sup>	500	115/120 220/230 240/250	75	50	GY9,5	S90	9238 792 345 .. 9238 792 432 .. 9238 792 457 ..
7764	800	220/230 240/250	87	50	GY9,5	S90	9238 765 432 .. 9238 765 457 ..
6969 <sup>1)</sup>	800	220/230	87	50	GY9,5	S90	9238 791 432 ..
7804 <sup>1)</sup>	900	220/230 240/250	87	75	GY9,5	S90	9238 778 432 .. 9238 778 457 ..

<sup>1)</sup> With proximity reflector.

## DOUBLE-ENDED HALOGEN OVERHEAD PROJECTOR LAMPS

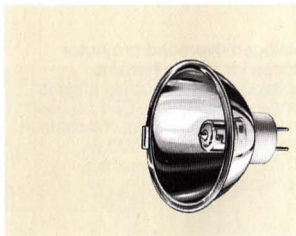
These types have been especially designed for overhead projectors used mainly for educational purposes.



Type	Wattage W	Voltage V	Max. insert. length	Average life h	Base	Burning position	Ordering number
12216R	420	120	63,7	75	R7s-15	P180	9238 715 363 ..
12260R	600	120	91,8	75	R7s-18	horizontal	9238 718 363 ..
		220-230					9238 718 432 ..
		240-250					9238 718 457 ..
6365R	650	115-120	78,3	75	R7s-21	P180	9238 782 345 ..
		125-130					9238 782 356 ..
		220-230					9238 782 432 ..
6366R	800	220-230	78,3	75	R7s-21	P180	9238 783 432 ..
		240-250					9238 783 457 ..

## HALOGEN REFLECTOR LAMPS FOR SUPER 8 FILM

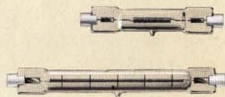
Designed for projection of Super 8 film, these lamps combine an efficient mirror condenser system with a halogen source. From 75 W, the lamps have a dichroic cool-light mirror which reflects virtually all the light but only 40 per cent of the generated heat. Excellent screen illumination is obtained by means of a pefocus centring principle.



Type <sup>1)</sup>	Wattage W	Voltage V	Average life h	Base	Burning position	Ordering number
6847	50	8	50	GZ6,35-25	S105	9238 720 145 ..
6853	75	12	50	GZ6,35-25	S105	9238 721 171 ..
6834	100	12	50	GZ6,35-25	S105	9238 722 171 ..
6423	150	15	50	GZ6,35-25	S105	9238 723 185 ..

<sup>1)</sup> Max. depth: 42; diameter 49,7 ± 0,3.

6363P



## HALOGEN STUDIO LAMPS

Halogen quartz lamps of small dimensions for compact studio spotlight fittings. These single-ended lamps are suitable for 3200 K balanced colour film and have longer life than conventional and hard-glass halogen studio lamps of comparable wattage.

## DOUBLE-ENDED HALOGEN STUDIO LAMPS

Double-ended halogen lamps for use with colour film and colour TV where a colour temperature of 3200 K is required. Colour temperature remains constant throughout lamp life.

Type	Wattage W	Voltage V	Max. length	Average life h	Base	Burning position	Ordering number
6362P	650	220 240	110	100	GX9,5	S45	9238 786 429 .. 9238 786 455 ..
6363P	1000	115-120 220 240	110	150	GX9,5	S45	9238 787 345 .. 9238 787 429 .. 9238 787 455 ..
6364P	2000	220 240	145	250	GY16	S45	9238 789 429 .. 9238 789 455 ..
7801P	650	220 240	140	100	G22	S90	9238 776 429 .. 9238 776 455 ..
7802P	1000	220 240	140	200	G22	S90	9238 777 429 .. 9238 777 455 ..
13477R <sup>1)</sup>	800	220-230 240-250	117,6 <sup>2)</sup>	150	R7s-15	P180	9238 770 432 .. 9238 770 457 ..
7786R <sup>1)</sup>	1000	115-120 220-230 240-250	117,6 <sup>2)</sup>	200	R7s-15	P180	9238 771 345 .. 9238 771 432 .. 9238 771 457 ..
13989R <sup>1)</sup>	1000	115-120 220-230 240-250	189,1 <sup>2)</sup>	200	R7s-15	P180	9238 780 345 .. 9238 780 432 .. 9238 780 457 ..
6358R <sup>1)</sup>	1250	220-230 240-250	189,1 <sup>2)</sup>	200	R7s-15	P4	9238 784 432 .. 9238 784 457 ..
7775R/ frosted <sup>16)</sup>	625	220-230 240-250	189,1 <sup>2)</sup>	150	R7s-15	P180	9238 790 432 .. 9238 790 457 ..

<sup>1)</sup> Double-ended types.

<sup>2)</sup> Max. insertion length.