



Light and water

The origins of light signals for seafaring are the light fires for marking harbour entrances and dangerous spots. They served as approximate points of orientation for coastal shipping. Initially, it was a simple, large fire positioned so it could easily be seen from the sea, a land fire. It was not until much later that lighthouses and the so-called fire ships that were equipped with open fires (tar) or torches.

As long ago as 300 BC, large, famous light fires were burning to show ships the way: the Pharos of Alexandria and also the Colossus of Rhodes. Light fires and lighthouses for seafaring remained the same for many centuries. To this day there are still old lighthouses to be found along the old shipping routes on the coast that were built for this purpose.

The distance from which an illuminated object can be seen is about twice as great as for non-illuminated objects, even during the day. Lighting particularly improves visibility in gloomy weather. The development of the Fresnel lens in 1822 brought a decisive breakthrough in light yield and improved the effects of lighthouses and beacon fires – and of ship and other lamps.

Light is still an important signal provider at sea. Lighthouses send out their light signals and fire ships, in addition to radar and sonar, also send out light signals with their beacon fires. In coastal areas, light buoys are irreplaceable as shipping signals.

One important step with increasing sea traffic was the introduction of ship position lamps. They

are prescribed and precisely defined according to the "International Rules of 1972 for the prevention of collisions at sea" (KVR).

Today, inland shipping in particular is no longer imaginable without light signals. Whether it is lock traffic lights, light signals, board lights or signal lights, fires, fixed lights or rhythmic lights: signal lamps for seafaring have many purposes.

DR FISCHER manufactures signal lamps for use by and on the water, ranging from standard lamps for regulating shipping traffic to custom-specific designs such as lighthouse lamps.



Standard lamps

For maritime and lock traffic lights

Signal lamps for the water

Medical lamps

Photo, studio and stage lamps

Domestic lamps

Other special lamps

Special features:

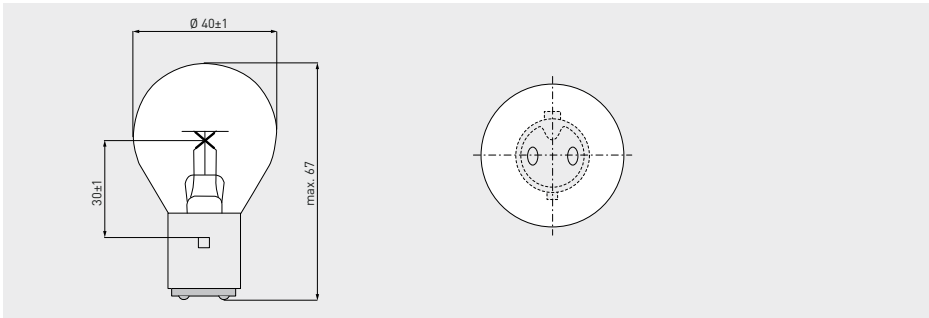
- precision of manufacture, minimum tolerances in the positioning of the filaments
- flat-core coils (article nos. 842466 and 842866)
- premium-quality inert gas filling
- compact luminary
- corrosion-proof, nickel-plated socket
- also available as dual-filament lamps with safety threads

Specific benefits:

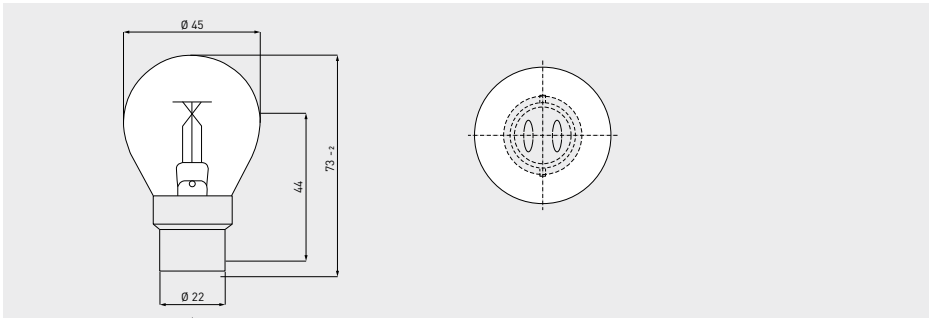
- high resistance to shock and vibration
- nickel-plated base contacts to ensure safe electrical contact
- in the dual-filament lamp, the auxiliary filaments kick in immediately if the main filaments malfunction

Areas of use:

- maritime light signals
- lock traffic lights



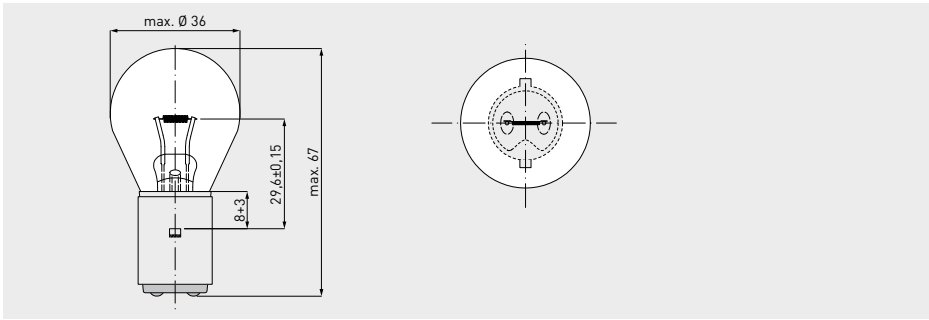
Article no.	Description	V	W	Am- perage	Socket	Bulb diameter	Total length	Light centre length	Lumi- nous f ux	Average life	Individual life h (<2% malfunction)	Burning position	PU
00842157	10.3V 0.194A/0.194A (2/2W) BA20d	10.3	2/2	0.194	Ba20d	40	67	30	16-18	1,500			
00842152	10.3V 0.485A/0.485A BA20d	10.3	5/5	0.485	Ba20d	40	67	30	55	1,500			
00842492	10.3V 5/5W BA20d	10.3	5/5		Ba20d	40	67	30	55	1,500			
00842250	12V 2/2W BA20d	12	2/2		Ba20d	40	67	30	12	3,500			



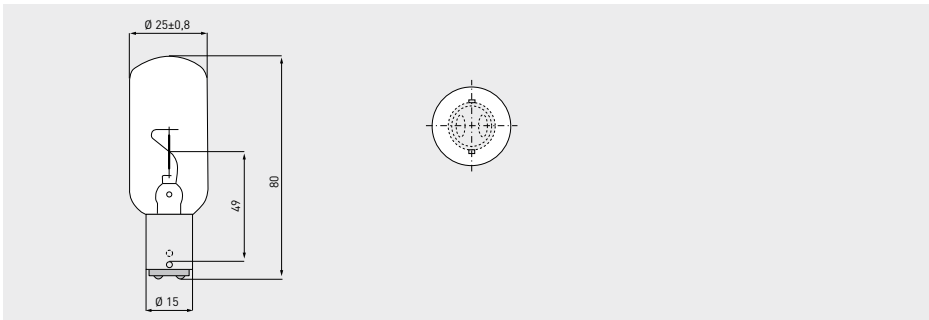
Article no.	Description	V	W	Am- perage	Socket	Bulb diameter	Total length	Light centre length	Lumi- nous f ux	Average life	Individual life h (<2% malfunction)	Burning position	PU
00842375	10.3V 10/10W Special socket	10.3	10		Vorsocket	45	73	44	140	1,500			

Standard lamps
For maritime and lock traffic lights

For special features, specific benefits and areas of use see page 72



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter max. mm	Total length max. mm	Light centre length mm	Lumi- nous f ux lm	Average life h	Individual life h [<2% malfunction]	Burning position	PU
00842866	12V 55W BA20d LL 900lm 3000h	12	55	4.58	Ba20d	36	67	29.6	900	3,000			
00842466	12V 55W BA20d 1000lm 1000h	12	55	4.58	BA20d	36	67	29.6	1,000	1,000			200



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter mm	Total length max. mm	Light centre length mm	Lumi- nous f ux lm	Average life h	Individual life h [<2% malfunction]	Burning position	PU
00842543	28V 25W BA15d	28	25		BA15d	25	80	49	450	1,000			
00842890	28V 40W BA15d/19	28	40		BA15d	25	80	49	650	1,000			



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For maritime and lock traffic lights

Special features:

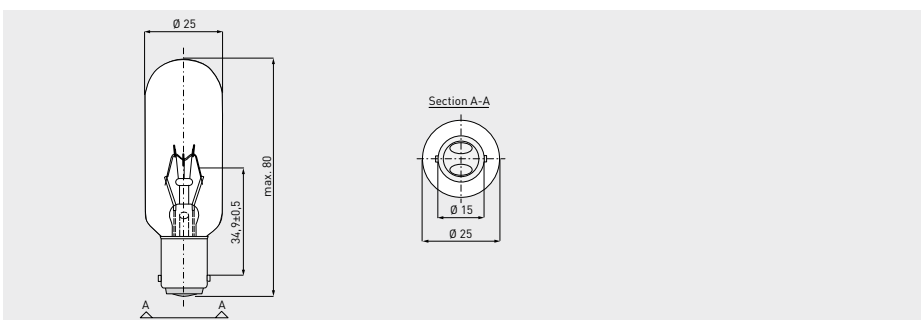
- precision of manufacture, minimum tolerances in the positioning of the filaments
- premium-quality inert gas filling
- compact luminary
- corrosion-proof, nickel-plated socket
- also available as dual-filament lamps with safety threads

Specific benefits:

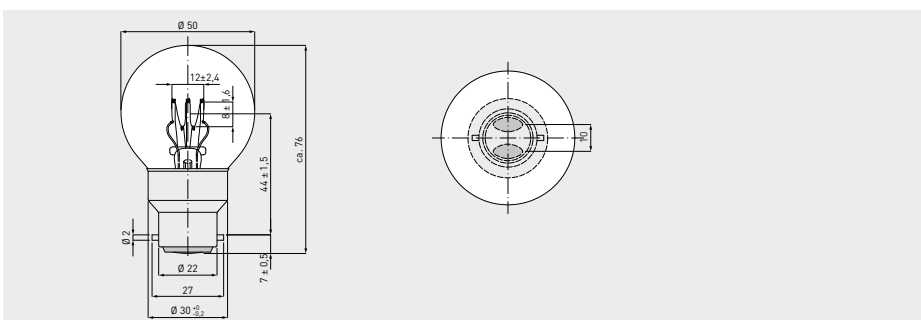
- high resistance to shock and vibration
- in the dual-filament lamp, the auxiliary filaments kick in immediately if the main filaments malfunction

Areas of use:

- maritime light signals
- lock traffic lights



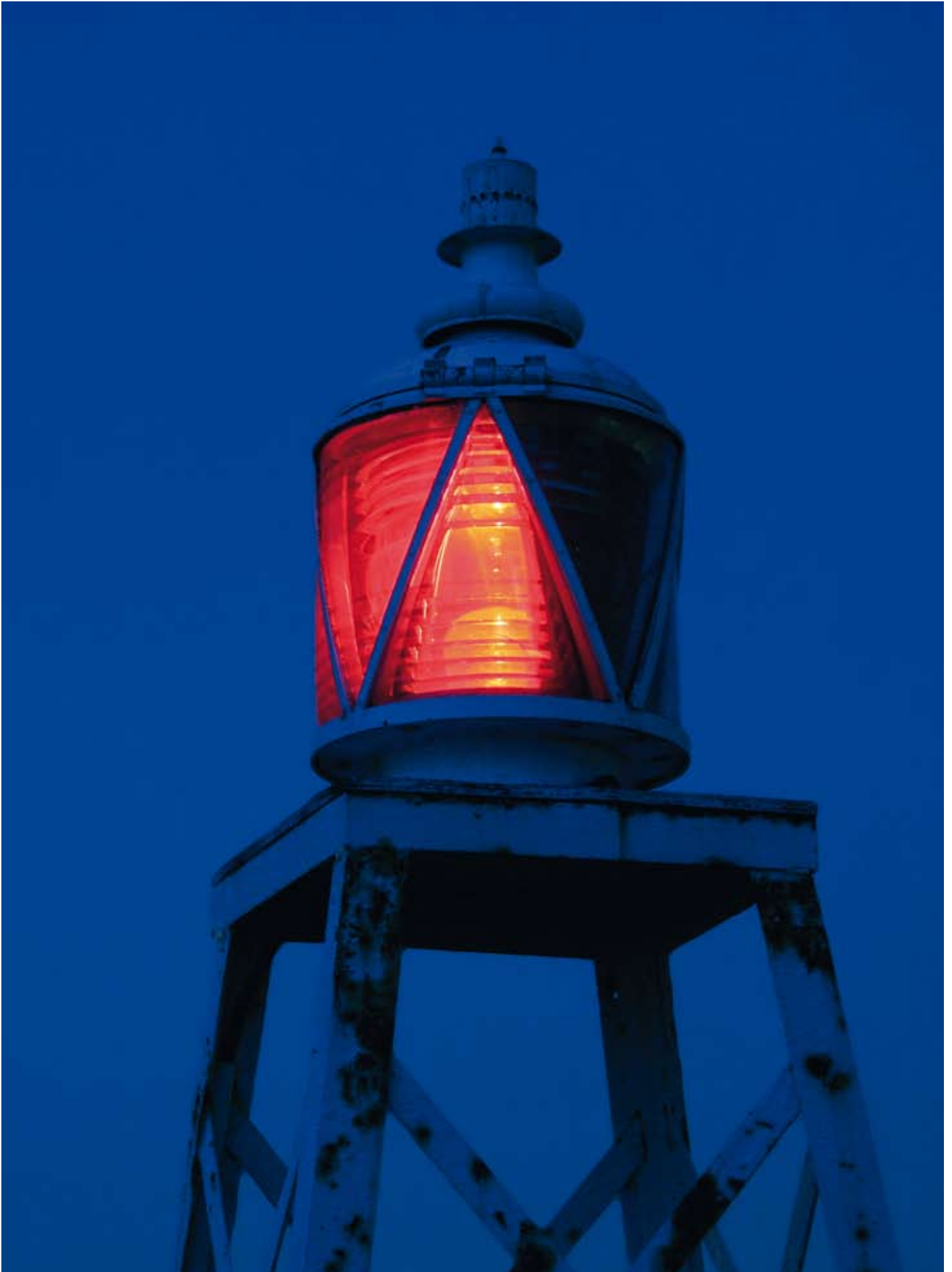
Article no.	Description	V	W	Am- perage	Socket	Bulb diameter	Total length	Light centre length	Lumi- nous flux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
00842564	120V 50W BA15d/19 T.25x80 cc13	120	50		BA15d	25	max. 80	34.9	775	1,000			



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter	Total length	Light centre length	Lumi- nous flux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
00842050	230V 40W B22d vernickelt	230	40		B22d	50	76	44	250	1,900			

Standard lamps

For light buoys



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For light buoys

Signal lamps for the water

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Domestic lamps

Other special lamps

Special features:

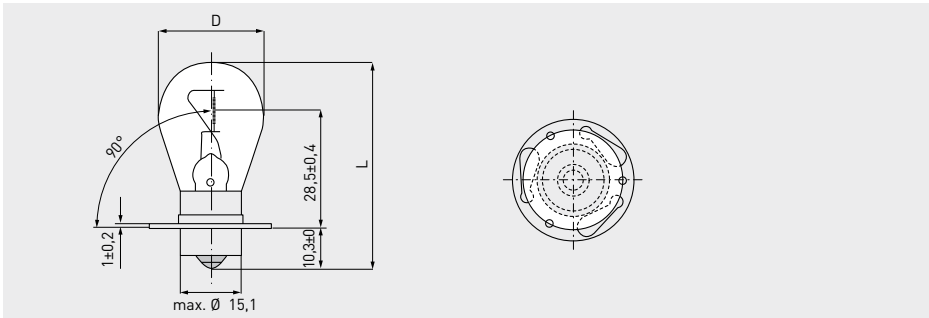
- precision of manufacture, minimum tolerances in the positioning of the filaments, in particular because of the Prefocus P 30 ring
- premium-quality inert gas filling
- corrosion-proof, nickel-plated socket

Specific benefits:

- long life
- high resistance to outside influences, shock and vibration
- all-round (360°) even luminosity

Areas of use:

- light buoys with a solar module
- light buoys with a rotating lamp-changing system for 6 lamps

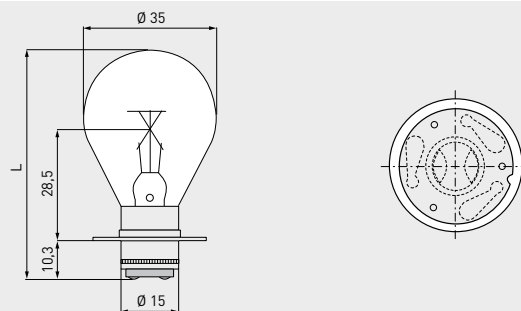


Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length mm	Lumi- nous f ux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
00842058	6.2V 0.25A SX15s w. P30s-ring C8 S8	6.2	1.55	0.25	P30s	26.2	50.8	28.5	10	1,000			
00842059	6.2V 0.46A SX15s w. P30s-ring C8 S8	6.2	2.9	0.46	P30s	26.2	50.8	28.5	29	1,000			
00842060	6.2V 0.70A SX15s w. P30s-ring C8 S8	6.2	4.34	0.7	P30s	26.2	50.8	28.5	50	1,000			
00842061	6.2V 0.92A SX15s w. P30s-ring C8 S8	6.2	6	0.92	P30s	26.2	50.8	28.5	60	1,000			
00842062	6.2V 1.42A SX15s w. P30s-ring C8 S8	6.2	8.68	1.4	P30s	26.2	50.8	28.5	125	1,000			
00842380	6.2V 0.92A SX15s P30s w.ring	6.2	6	0.92	P30s	26.2	50.8	28.5	60	1,000			
00842063	12V 0.25A SX15s w. P30s-ring C8 S8	12	3	0.25	P30s	26.2	50.8	28.5	30	1,000			
00842064	12V 0.55A SX15s w. P30s-ring C8 S8	12	6.6	0.55	P30s	26.2	50.8	28.5	80	1,000			
00842065	12V 0.77A SX15s w. P30s-ring C8 S8	12	9.24	0.77	P30s	26.2	50.8	28.5	130	1,000			
00842067	12V 1.15A SX15s w. P30s-ring C8 S8	12	14	1.15	P30s	26.2	50.8	28.5	220	1,000			
00842068	12V 1.35A SX15s w. P30s-ring C8 S8	12	16.2	1.35	P30s	26.2	50.8	28.5	245	1,000			
00842070	12V 2.03A SX15s w. P30s-ring C8 S8	12	24.36	2.03	P30s	26.2	50.8	28.5	400	1,000			
00842072	12V 3.05A SX15s w. P30s-ring C8 S11	12	36.6	3.05	P30s	35	60.33	28.5	650	1,000			
00842245	12V 5,0A SX15s w. P30s-ring C8 S11	12	60	5.00	P30s	35	58	28.5	900	1,000			

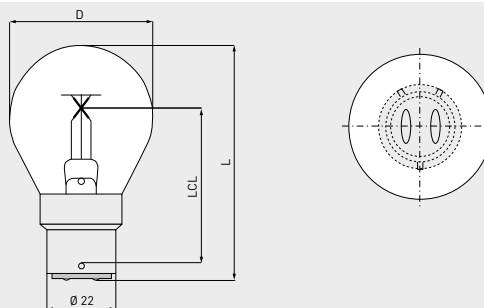
Standard lamps

For light buoys

For special features, specific benefits and areas of use see page 76



Article no.	Description	V	W	Am-perage	Socket	Bulb diameter mm	Total length L max. mm	Light centre length mm	Luminous flux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
00842242	6.2V 0.25/0.25A P30d	6		0.25/0.25	P30d	35	58	28.5	10	1,000			
00842176	12V 0.55/0.55A S15d/19 P30d C8 S11	12		0.55/0.55	P30d	35	60	28.5	80	1,000			
00842241	12V 0.25/0.25A P30d	12		0.25/0.25	P30d	35	58	28.5	30	1,000			
00842278	12V 10/10W P30d	12	10/10		P30d	35	58	28.5	130	1,000			

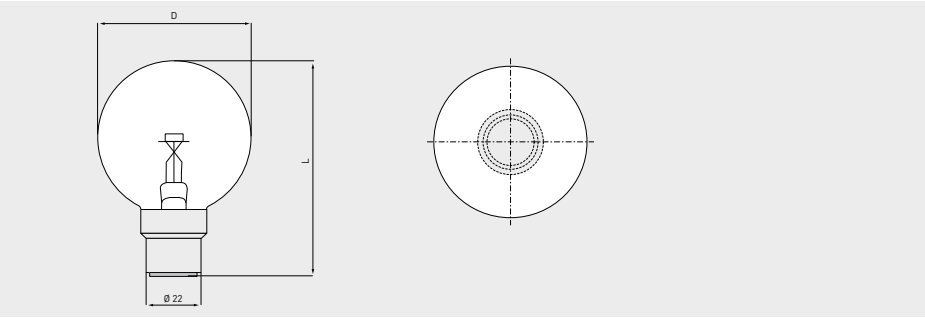


Article no.	Description	V	W	Am-perage	Socket	Bulb diameter D mm	Total length L max. mm	Light centre length LCL mm	Luminous flux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
00842028	10.3V 10/10W B22d-3	10.3	10/10		B22d-3	45	73	44	140	1,500			
00842026	10.3V 2/2W B22d-3	10.3	2/2		B22d-3	45	73	44	16	1,500			
00842029	10.3V 20/20W B22d-3	10.3	20/20		B22d-3	45	73	44	275	2,000			
00842030	10.3V 40/40W B22d-3	10.3	40/40		B22d-3	60	85	44	700	1,500			
00842027	10.3V 5/5W B22d-3	10.3	5/5		B22d-3	45	73	44	55	1,500			
00842165	10.3V 60/10W B22d-3	10.3	60/10		B22d-3	60	85	44	1,000/140	1,500			
00842031	10.3V 60/60W B22d-3	10.3	60/60		B22d-3	60	85	44	1,000	1,500			
00842308	10.3V 100/100W B22d-3	10.3	100/100		B22d-3	60	85	44	1,900	1,000			
00842452	23.5V 25/25W B22d-2	23.5	25/25		B22d	50	77	44	360	1,500			

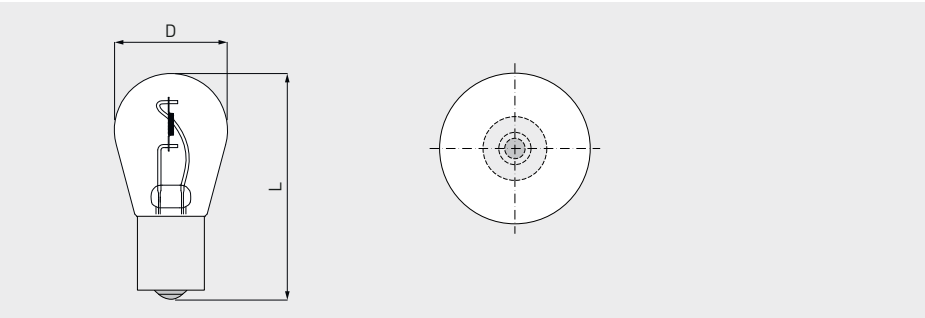
Standard lamps

For light buoys

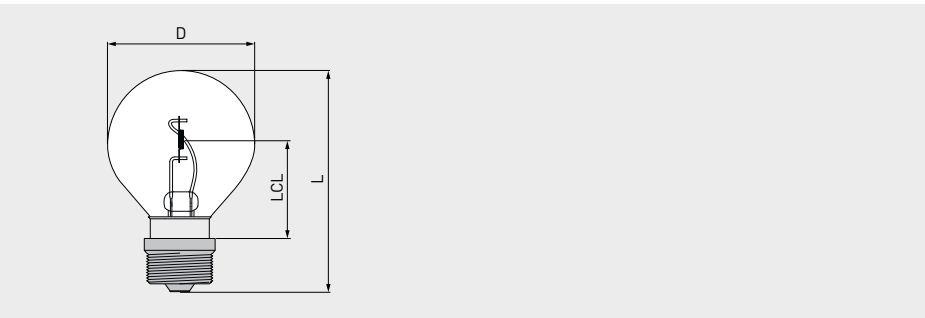
For special features, specific benefits and areas of use see page 76



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D mm	Total length L max. mm	Light centre length LCL mm	Lumi- nous f ux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
00842459	10.3V 60/60W Special socket	10.3	60/60		B22d-3	60	85		1,000	1,500			



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D mm	Total length L max. mm	Light centre length mm	Lumi- nous f ux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
00842421	12V 0.55A SX 15s without ring C8 S8	12	7	0.55	Sx15s	26.2	50.8		80	1,000			
00842423	12V 1.15A SX 15s without ring C8 S8	12	14	1.15	Sx15s	26.2	50.8		220	1,000			
00842424	12V 3,0A SX15s without ring CC8 S11	12	36	3.00	Sx15s	35	58		600	1,000			



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length LCL mm	Lumi- nous f ux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
00842426	12V 0.55A with screw thread socket	12	7	0.55	Sx15s	26.2	50	25.3	80	1,000			
00842427	12V 0.77A with screw thread socket	12	9.24	0.77	Sx15s	26.2	50	25.3	130	1,000			
00842428	12V 1.15A with screw thread socket	12	14	1.15	Sx15s	26.2	50	25.3	220	1,000			
00842318	12V 3.0A with screw thread socket	12	36	3.00	Sx15s	35	60	25.3	600	1,000			

Signal lamps for the water

Medical lamps

Photo, studio and stage lamps

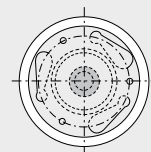
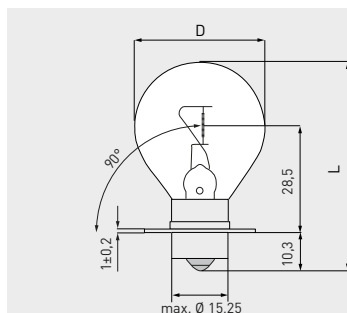
Domestic lamps

Other special lamps

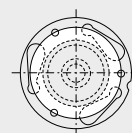
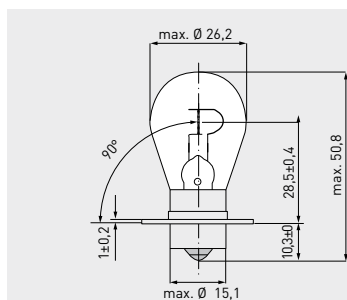
Standard lamps

For light buoys

For special features, specific benefits and areas of use see page 76



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length mm	Lumi- nous f ux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
00842258	12V 0.5A SX15s w. P30s-ring CC8 S11	12	6	0.5	P30s	35	58	28.5	85	1,000			
00842128	12V 0.5A SX15s w. P30s-ring CC8 S8	12	6	0.5	P30s	26.2	50.8	28.5	65	1,000			
00842295	12V 0.5A SX15s w. P30s-ring CC8 S8	12	6	0.5	P30s	26.2	58	28.5	85	1,000			
00842066	12V 1.0A SX15s w. P30s-ring CC8 S11	12	12	1.00	P30s	35	58	28.5	145	1,000			
00842397	12V 1.0A SX15s w. P30s-ring CC8 S8	12	12	1.00	P30s	26.2	50.8	28.5	145	1,000			
00842451	12V 1.9A SX15s w. P30s-ring CC8 S8	12	22.8	1.90	P30s	26.2	50	28.5	390	1,000			
00842069	12V 1.9A SX15s w. P30s-ring CC8 S11	12	22.8	1.90	P30s	35	58	28.5	390	1,000			
00842465	12V 3.0A SX15s w. P30s-ring CC8 S11	12	36	3.00	P30s	35	58	28.5	600	1,000			
00842071	12V 3.0A SX15s w. P30s-ring CC8 S11	12	36	3.00	P30s	35	60.3	28.5	600	1,000			
00842073	12V 5.0A SX15s w. P30s-ring CC8 S11	12	60	5.00	P30s	35	58	28.5	1,100	1,000			
00842287	12V 5.0A SX15s w. P30s-ring CC8 S11	12	60	5.00	P30s	35	58	28.6	900	1,000			

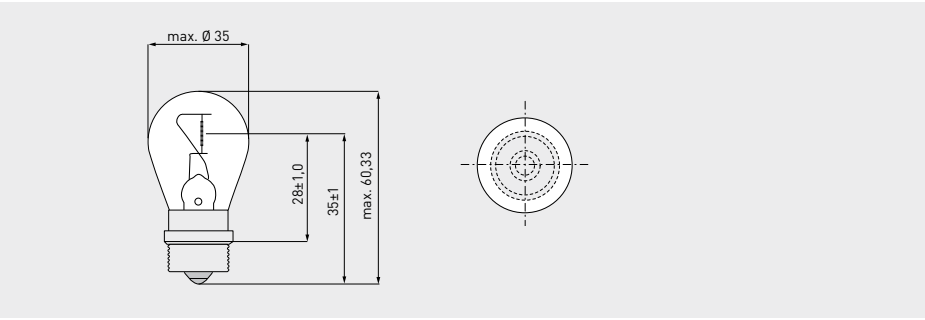


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00842284	12V 0.5A SX15s/P30s-ring CC8 S8	12	6.6	0.55	P30s	26.2	50.8	28.5	100	500			
00842283	12V 1.0A SX15s/P30s-ring CC8 S8	12	12	1.00	P30s	26.2	50.8	28.5	200	500			
00842286	12V 2.0A SX15s/P30s-ring CC8 S8	12	24	2.00	P30s	26.2	50.8	28.5	360	500			
00842285	12V 3.0A SX15s/P30s-ring CC8 S8	12	36	3.00	P30s	26.2	50.8	28.5	600	500			

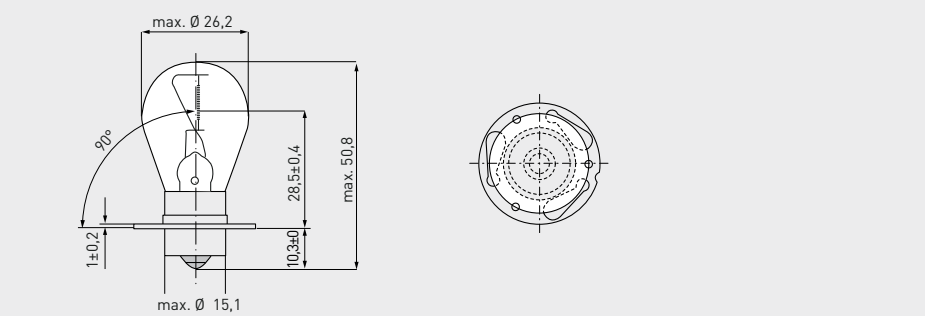
Standard lamps

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Article no.	Description	V	W	Am- perage	Socket	Bulb diameter	Total length	Light centre length	Lumi- nous f ux lm	Average life	Individual life	Burning position	PU
						max. mm	max. mm	mm		h	h (<2% malfunction)		
00842491	12V 1.9A SX15s w. threaded ring CC8 S11	12	23	1.90	Sx15s	35	60.33	28	390	1,000			



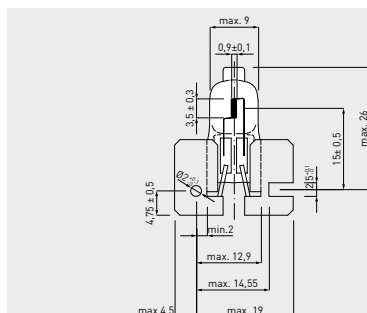
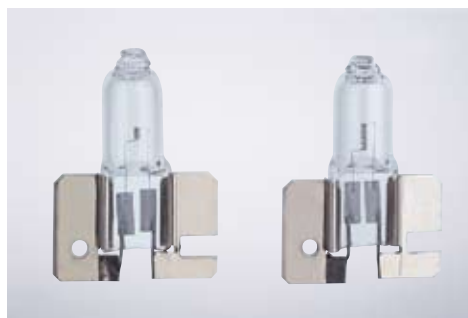
Article no.	Description	V	W	Am- perage	Socket	Bulb diameter	Total length	Light centre length	Lumi- nous f ux lm	Average life	Individual life	Burning position	PU
						max. mm	max. mm	mm		h	h (<2% malfunction)		
00842477	12V 2.03A SX15s w. P30s-ring C8 S8	12	24	2.03	P30s	26.2	50.8	28.5	350	1,000			



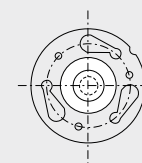
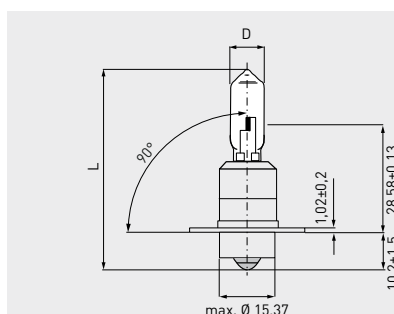
Standard lamps

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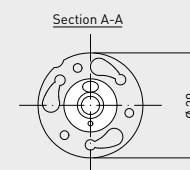
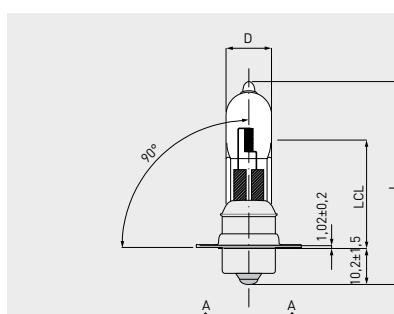
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Article no.	Description	V	W	Am- perage	Socket	Bulb diameter mm	Total length max. mm	Light centre length mm	Lumi- nous flux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
00847122	12V 10W A21/14 Halogen	12	10		A21/14	9	31.25	15.0	150	2,000	1,200		
00847123	12V 20W A21/14 Halogen	12	20		A21/14	9	31.25	15.0	360	2,000	1,200		



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length mm	Lumi- nous flux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
91125-630 P	Halogen lamp 12V 5-6W	12	5-6		PR 30s	9	50	28.58	70	2,000			
8400121030	Halogen lamp 12V 10W PR 30s	12	10		PR 30s	9	50	28.58	150	2,000			
8400122030	Halogen lamp 12V 20W PR 30s	12	20		PR 30s	11	50	28.58	400	2,000			
8400123530	Halogen lamp 12V 35W	12	35		PR 30s	11	50	28.58	800	2,000			
8400125030	Halogen lamp 12V 50W	12	50		PR 30s	11	50	28.58	1,200	2,000			
8400127530	Halogen lamp 12V 75W	12	75		PR 30s	11	50	28.58	1,400	2,000			
8401210030	Halogen lamp 12V 100W PR30s	12	100		PR 30s	11	54	28.58	2,300	2,000			



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D mm	Total length L max. mm	Light centre length LCL mm	Lumi- nous flux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
8402415030	Halogen lamp 24V 150W PR30s	24	150		PR 30s	16	59	31	3,000	1,500			
8402410030	24V 100W PR 30s	24	100		Sx15s	13	51	28.5	2,100	2,000			

Standard lamps

For lighthouses, helicopter landing pads and oil platforms

Special features:

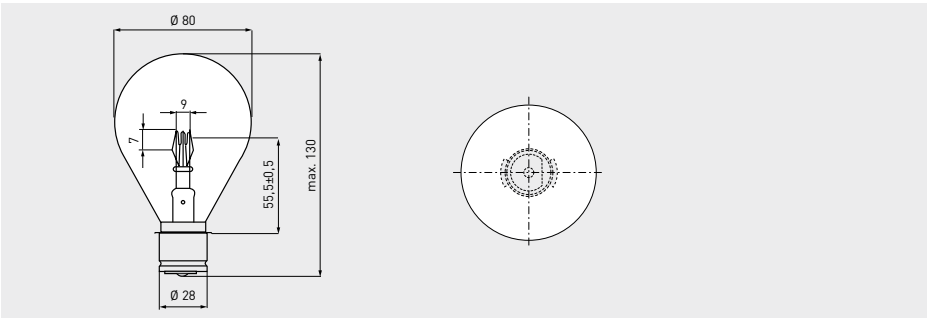
- precision of manufacture, minimum tolerances in the positioning of the filaments
- premium-quality inert gas filling
- also adaptable for special requirements, such as with heat protection

Specific benefits:

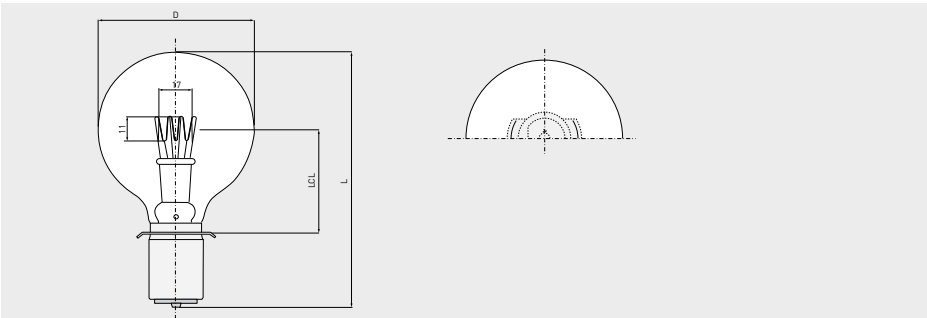
- high luminous flux
- precise positioning within the lamp
- high resistance to outside influences and corrosion
- lamps with heat protection are suitable for areas where there is a danger of explosion (no hotspot on the lamp)

Areas of use:

- helicopter landing pads
- oil platforms
- lighthouses



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter	Total length	Light centre length	Lumi- nous f ux	Average life	Individual life	Burning position	PU
00842234	50V 250W P28s	50	250		P28s	80	130	55.5	4,260	800	h (<2% malfunction)		
00842561	240V 250W P28s 80x130 clear 3000h	240	250		P28s	80	130	55.5	2,400	3,000			

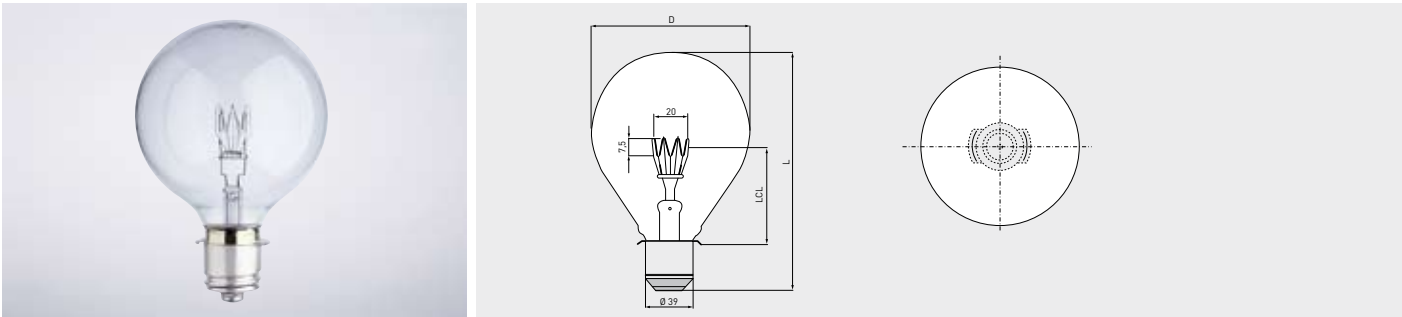


Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D	Total length L	Light centre length LCL	Lumi- nous f ux	Average life	Individual life	Burning position	PU
00842394	100V 250W P28s	100	250		P28s	80	130	55.5	3,625	800	h (<2% malfunction)		
00842411	100V 1000W [842155 un-capped]	100	1,000		P40s Special socket	125	195	80					

Standard lamps

For lighthouses, helicopter landing pads and oil platforms

For special features, specific benefits and areas of use see page 82



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D mm	Total length L max. mm	Light centre length LCL mm	Lumi- nous f ux lm	Average life h	Individual life h [<2% malfunction]	Burning position	PU
00842155	100V 1000W P40s	100	1,000		P40s	125	195	80	20,000	800			
00842256	100V 1500W P40s	100	1,500		P40s	130	195	80	29,000	800			
00842265	100V 500W P40s	100	500		P40s	130	195	80	8,000	800			
00842047	130V 1000W P40s	130	1,000		P40s	130	213	101	19,500	800			
00842055	230V 500W P40s	230	500		P40s	120	183	68	8,020	500			
00842056	230V 1000W P40s	230	1,000		P40s	125	213	101	18,150	500			
00842222	240V 500W P40s	240	500		P40s	130	195	80	7,500	800			



Signal lamps for the water

Medical lamps

Photo, studio and stage lamps

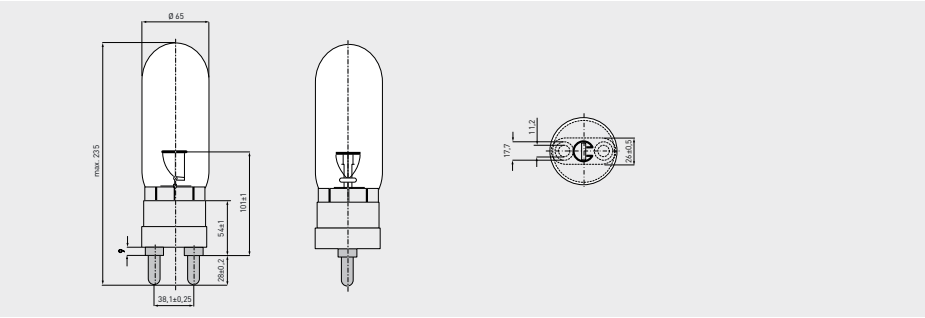
Domestic lamps

Other special lamps

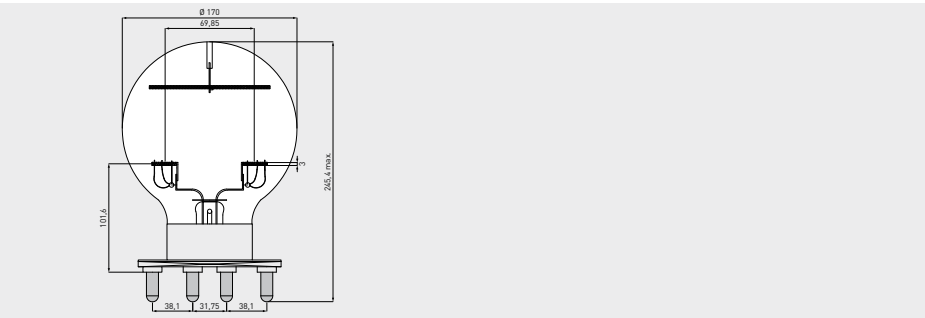
Standard lamps

For lighthouses, helicopter landing pads and oil platforms

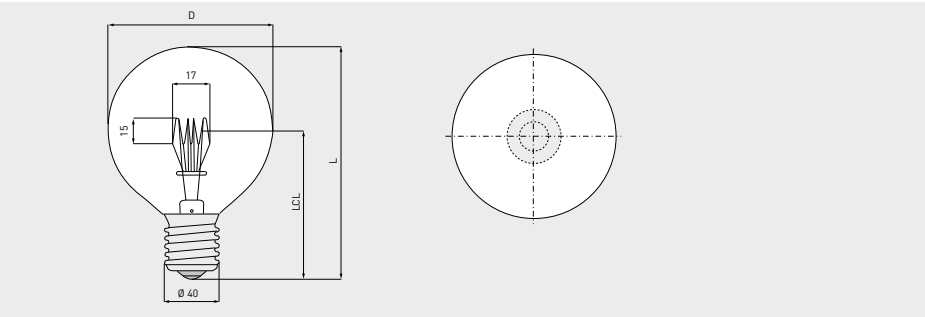
For special features, specific benefits and areas of use see page 82



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter mm	Total length max. mm	Light centre length mm	Lumi- nous f ux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
00842584	110V 750W G38/55x60 LL	110	750		G38	65	235	101	11,000	2,000			
00842476	120V 375W G38/29x65	120	375		G38	65	235	101	5,500	1,000			
00842075	120V 750W G38/55x60	120	750		G38	65	235	101	11,000	1,000			



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter mm	Total length max. mm	Light centre length mm	Lumi- nous f ux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
00842350	120V 400/400W G52	120	400/400		G52	170	245.4	101.6	6,000	800			
00842076	120V 750/750W G52	120	750/750		G52	170	245.4	101.6	11,000	800			



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D mm	Total length L max. mm	Light centre length LCL mm	Lumi- nous f ux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
00842170	120V 500W E40	120	500		E40	120	175	108	9,300	1,000			
00842276	130V 1000W E40	130	1000		E40	130	213	140	19,500	800			

Signal lamps for the water

Medical lamps

Photo, studio and stage lamps

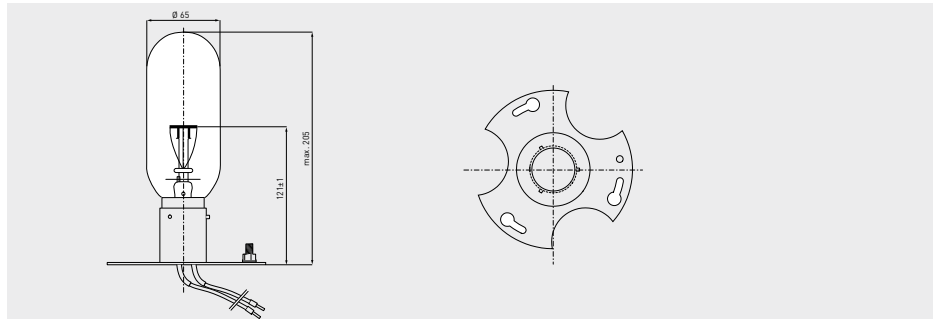
Domestic lamps

Other special lamps

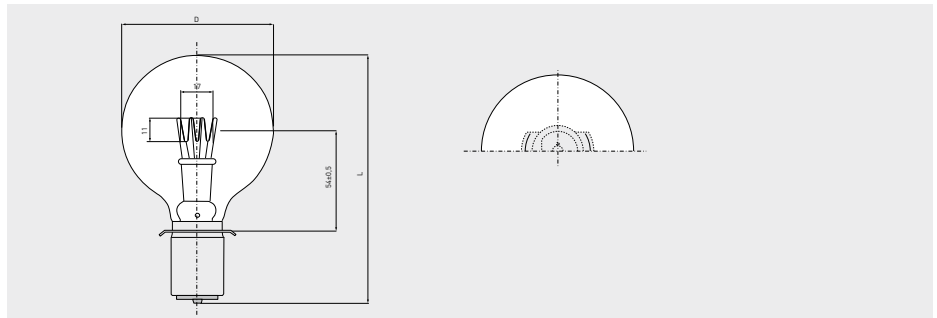
Standard lamps

For lighthouses, helicopter landing pads and oil platforms

For special features, specific benefits and areas of use see page 82



Article no.	Description	V	W	Am-perage	Socket	Bulb diameter mm	Total length max. mm	Light centre length mm	Lumi-nous f ux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
00842274	120V 750W SPEZ-SO.	120	750		special	65	205	121	14,500	1,000			
00842541	120V 400W SPEZ-SO. w. heat protection	120	400		special	65	205	121	6,000	800			



Article no.	Description	V	W	Am-perage	Socket	Bulb diameter D mm	Total length L max. mm	Light centre length mm	Lumi-nous f ux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
00842044	130V 100W P28s	130	100		P28s	80	127	54	1,200	800			
00842052	230V 100W P28s	230	100		P28s	80	123	54	1,035	500			
00842490	230V 250W P28s	230	250		P28s	80	132	54	3,440	500			
00842054	230V 250W P28s	230	250		P28s	80	132	54	3,440	500			



Standard lamps

For position lights for ships



Standard lamps

For position lights for ships

Special features:

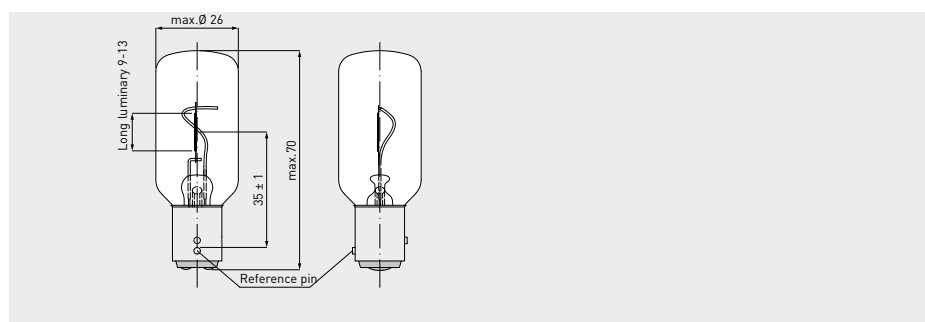
- fulfils DIN 14744 (BSH approval under preparation)
- approval from the Ministerie Verkeer en Waterstaat, Directie Noordzee, Netherlands
 - N.00.008 24V 40W ; 110V 60W ; 220V-65W
 - N.03.011 12V-25W; 24V-10W; 24V- 25W
- precision of manufacture, minimum tolerances in the positioning of the filaments
- corrosion-proof, nickel-plated socket

Specific benefits:

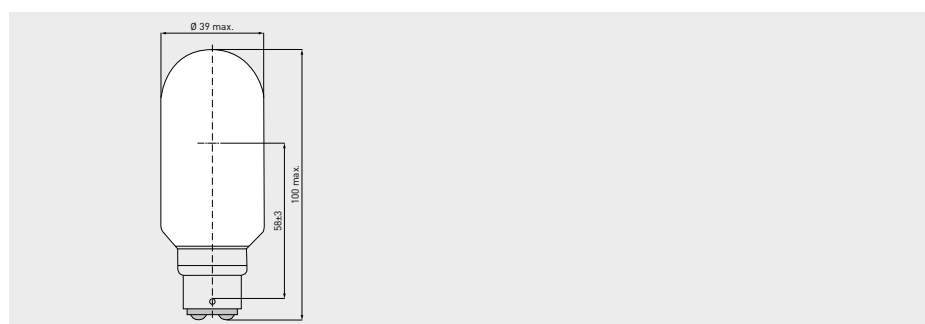
- high resistance to outside influences, shock and vibration by means of SRT (shock-resistant tungsten) filaments
- all-round (360 °) even luminosity
- long-life versions available (approvals requested)

Areas of use:

- ship position lights



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter max. mm	Total length max. mm	Light centre length mm	Lumi- nous flux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
00842416	12V 10W BAY15d	12	10		BAY15d	26	70	35	175	1,000			
00842417	12V 25W BAY15d	12	25		BAY15d	26	70	35	450	1,000			
00842418	24V 10W BAY15d	24	10		BAY15d	26	70	35	175	1,000			
00842419	24V 25W BAY15d	24	25		BAY15d	26	70	35	450	1,000			
00842538	24V 40W BAY15d	24	40		BAY15d	25	70	35	650	1,000			
00842540	28V 10W BAY15d	28	10		BAY15d	26	70	35	135	1,000			
00842441	28V 25W BAY15d	28	25		BAY15d	25	70	35	300	1,500			

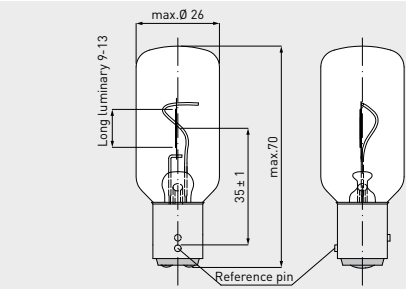


Article no.	Description	V	W	Am- perage	Socket	Bulb diameter max. mm	Total length max. mm	Light centre length mm	Lumi- nous flux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
00842589	24V 10W BA15d T38x100 clear	24	10		Ba15d	39	100	58	175	1,000			
00842516	24V 25W BA15d T38x100 clear	24	25		Ba15d	39	100	58	450	1,000			

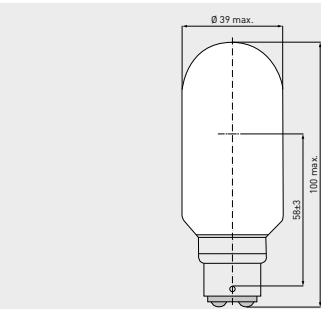
Standard lamps

For position lights for ships

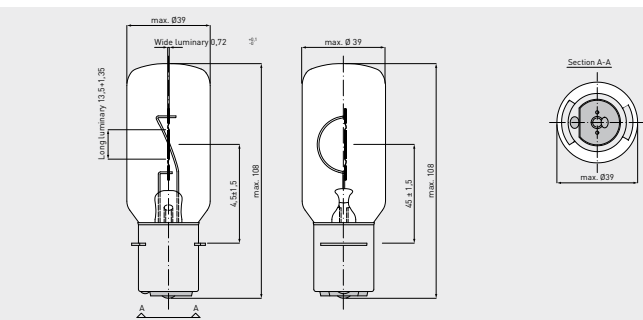
For special features, specific benefits and areas of use see page 87



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter max. mm	Total length max. mm	Light centre length mm	Luminous flux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
00842545	24V 24W Ba15d T25x70 clear 30cd min.	24	24		BAY15d	26	70	35	390	1,000			



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter max. mm	Total length max. mm	Light centre length mm	Lumi- nous flux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
S0842471	24V 40W B22d	24	40		B22d	39	100	58	650	1,000			



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter max. mm	Total length max. mm	Light centre length mm	Lumi- nous flux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
00843344	24V 40W P28s T.38x110	24	40		P28s	39	108	45	650	1,000			
00842562	24V 65W P28s T.38x108	24	65		P28s	39	108	45	950	1,000			

Signal lamps for the water

Medical lamps

Photo, studio and stage lamps

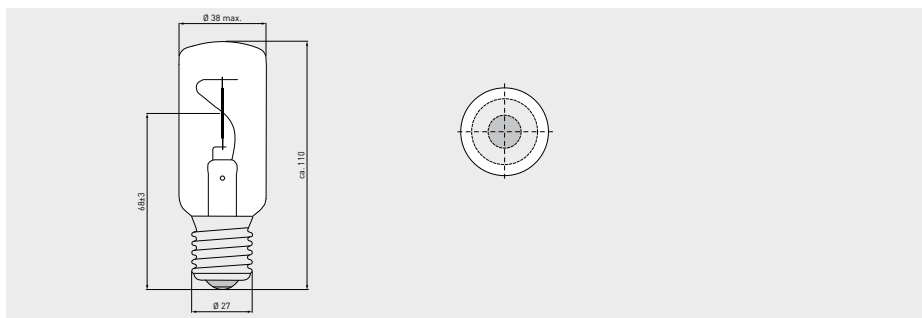
Domestic lamps

Other special lamps

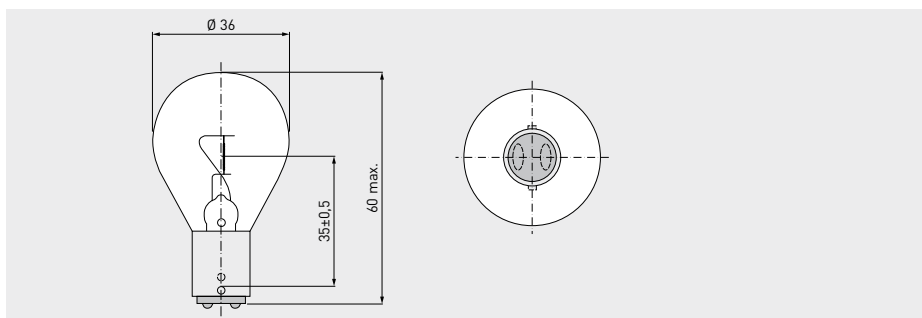
Standard lamps

For position lights for ships

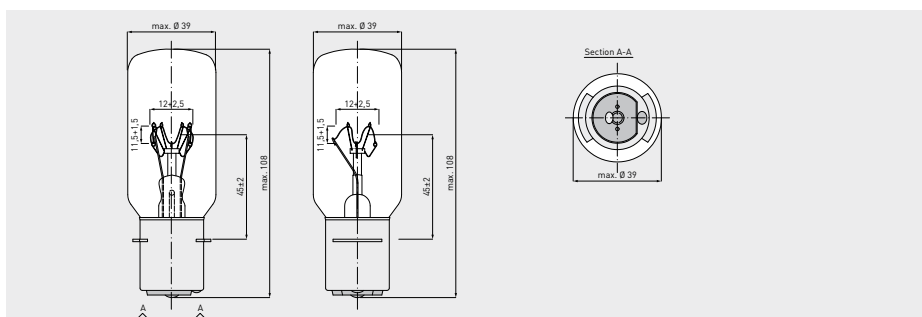
For special features, specific benefits and areas of use see page 87



Article no.	Description	V	W	Am- perage	Socket	Bulb dia- meter max. mm	Total length max. mm	Light centre length mm	Lumi- nous f ux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
00843356	24V 40W E27	24	40		E27	38	110	68	650	1,000			



Article no.	Description	V	W	Am- perage	Socket	Bulb dia- meter mm	Total length max. mm	Light centre length mm	Lumi- nous f ux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
00842020	32V 25W BAY15d	32	25	0.78	BAY15d	36	60	35	350	1,000			

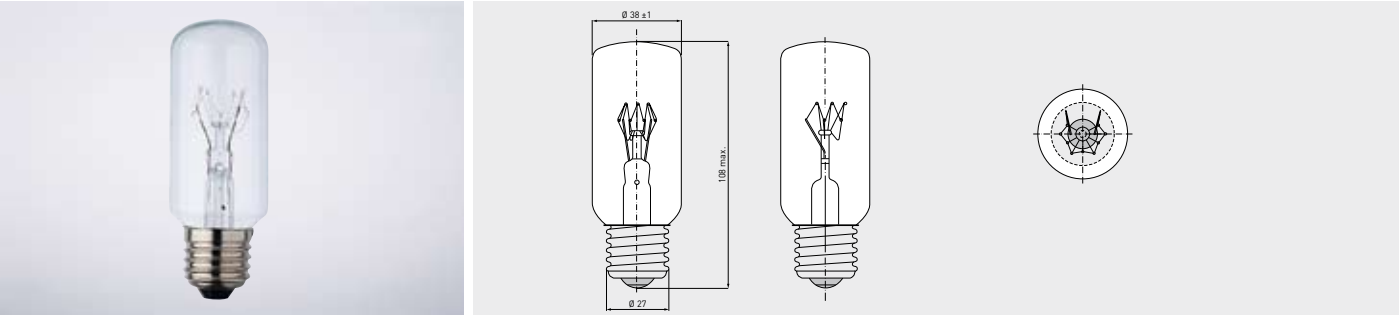


Article no.	Description	V	W	Am- perage	Socket	Bulb dia- meter max. mm	Total length max. mm	Light centre length mm	Lumi- nous f ux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
00842594	110V 40W P28s	110	40		P28s	39	108	45	350	1,000			
00842450	110V 60W P28s	110	60		P28s	39	108	45	550	1,000			
00842559	115V 60W P28s	115	60		P28s	39	108	45	600	1,500			
00842449	220V 65W P28S	230	65		P28s	39	108	45	600	1,000			
00842949	220V 75W P28s 8000h	220	75		P28s	39	108	45	525	8,000	3,000		
00842470	220V 85W P28s	220	85		P28s	39	108	45	700	1,000			

Position lamps for ships

For position lights for ships

For special features, specific benefits and areas of use see page 87



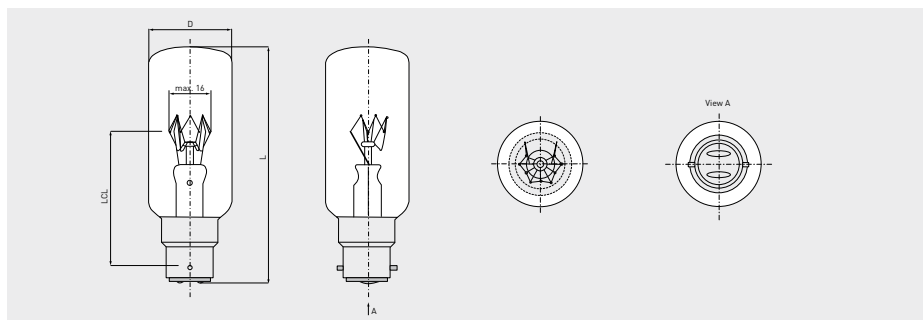
Article no.	Description	V	W	Am- perage	Socket	Bulb diameter max. mm	Total length max. mm	Light centre length mm	Lumi- nous flux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
00842458	110V 60W E27	110	60		E27	39	108	75	550	1,000			
00842955	220V 65W E27 8000h	220	65		E27	39	108	72	525	8,000	3,000		
00842455	220V 65W E27	220	65		E27	39	108	72	600	1,000			
00842481	220V 85W E27	220	85		E27	39	108	75	790	1,000			



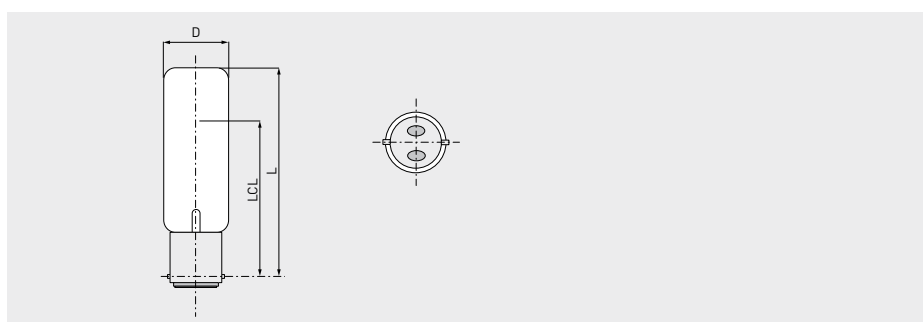
Position lamps for ships

For position lights for ships

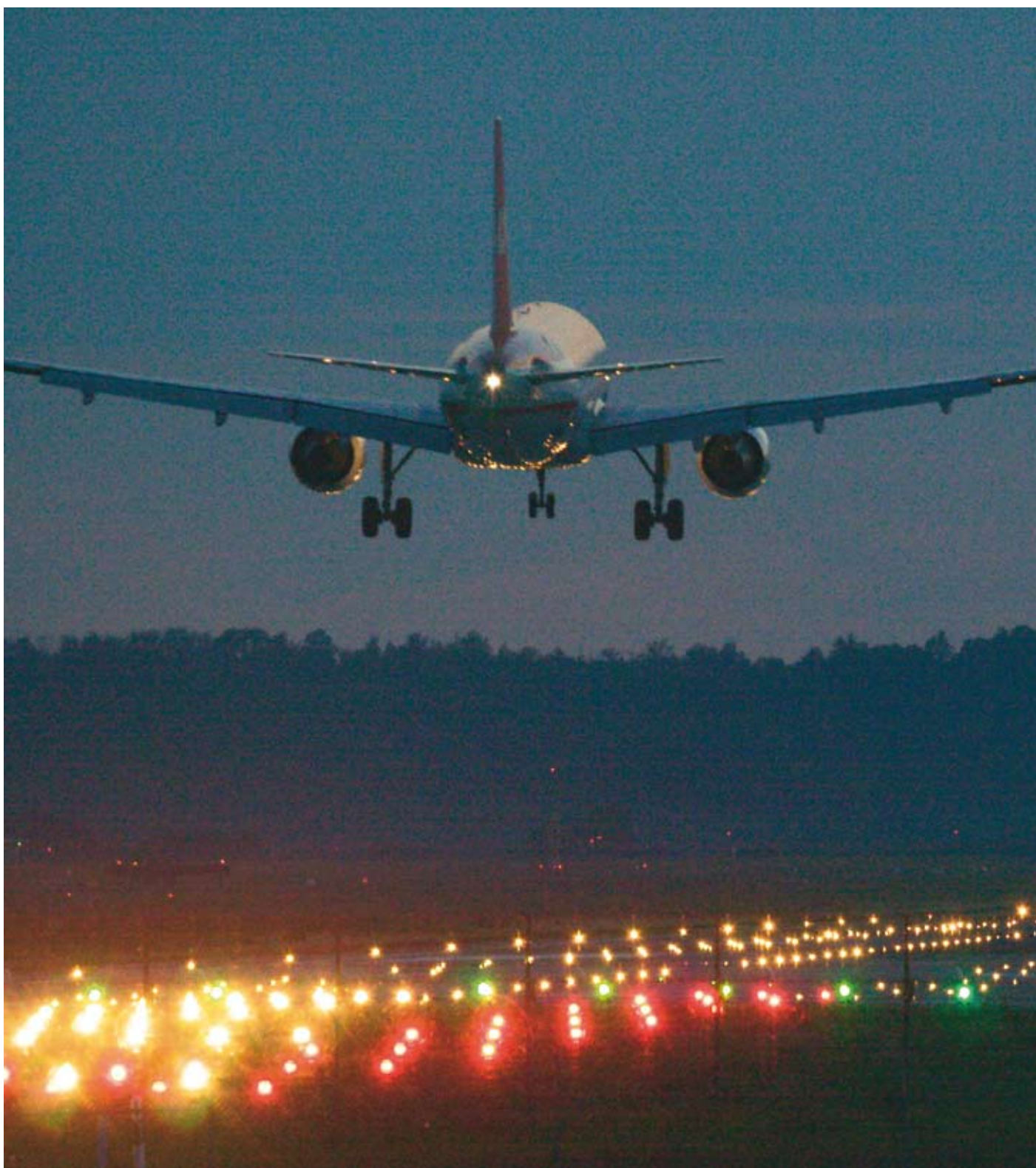
For special features, specific benefits and areas of use see page 87



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length LCL mm	Lumi- nous flux lm	Average life h	Individual life h [<2% malfunction]	Burning position	PU
00842472	110V 60W B22d	110	60		B22d	39	108	60	550	1,000			
00842473	110V 80W B22d	110	80		B22d	39	108	60	790	1,000			
00842456	220V 65W B22d	220	65		B22d	39	108	60	600	1,000			
00842956	220V 75W B22d 15000h	220	75		B22d	38	108	64	525	8,000	3,000		
00842457	220V 85W B22d	220	85		B22d	39	108	60	790	1,000			



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D mm	Total length L max. mm	Light centre length LCL mm	Lumi- nous flux lm	Average life h	Individual life h [<2% malfunction]	Burning position	PU
00842893	115V 40W B22d	115	40		B22d	29	100	70	500	1,000			
00842892	115V 60W B22d	115	60		B22d	29	100	70	760	1,000			
00842575	220V 40W B22d	220	40		B22d	29	85	65	345	1,000			
00842571	220V 60W B22d	220	60		B22d	29	100	70	760	1,000			



Light on the ground and in the air

Aviation has taken many of its terms from seafaring. And quite a few of the techniques were also taken from it at the beginning. For instance, when aviation was in its infancy the beaconing of airstrips was actually done using fires, and later oil lamp.

In modern aviation, aviation obstacles (by obstruction lights), approach paths and runways and taxi ways are beaconed.

On runways, beacon lights are positioned on the edges and, from a certain minimum width, in the middle for orientation purposes. The edge and central beaconing is, in the take-off or landing direction, first white, then alternating red and white, and finally red only. At the end of the runway, the illumination is red. The landing threshold is green. On precision runways, flashlights are used on both sides of the threshold (2 flashes per second) in white.

Additionally, light signals are used for approach beaconing (ALS, Approach Lighting System), for signalling height, direction and drift when approaching land and as a VASI (Visual Approach Slope Indicator), which helps to maintain the glide path when approaching a runway. VASI is not compulsory at airports.

Like ships, aeroplanes also have position lights. They indicate the presence of neighbouring aeroplanes and their flight paths to other pilots. As with sea traffic, the port side is indicated with a red light and the starboard with a green light on aeroplanes. The position lights are situated on the outside edges of the wings and therefore simultaneously mark the outside edges of the aeroplane. At the rear there is a white light pointing backwards. Sometimes, there are additional position lights affixed directly on the left and right sides of the fuselage. The intensity of the position and stroboscope lights can also penetrate light clouds and fog.

In addition to the position lights, an aeroplane also has an anti-collision light, which shows that the engine are running or it is preparing for take-off, and other lighting installations such as the powerful runway and taxiway lights and lights on the fuselage and wings for illuminating sensitive components.

The DR FISCHER Group helps guarantee safety on the ground and in the air with reliable lamps. We supply lamps for aeroplanes and airports all over the world.



Standard lamps

For illuminating approach paths, runways and landing strips, taxi ways and aviation obstacles

Special features:

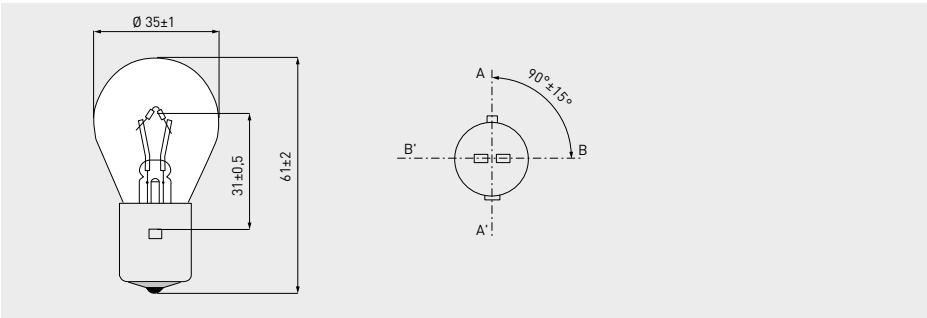
- precision of manufacture, minimum tolerances in the positioning of the filaments
- premium-quality inert gas filling
- fulfil the requirements of ICAO and any national regulations
- corrosion-proof, nickel-plated socket

Specific benefits:

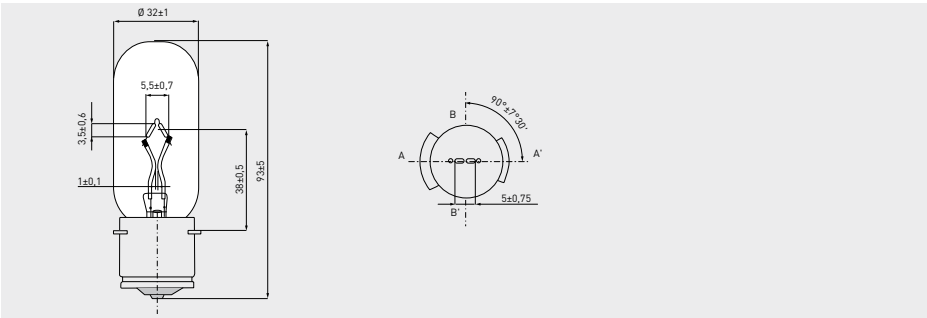
- high resistance to outside influences
- suitable for DC circuits

Areas of use:

- beaconing approach paths
- beaconing runways and landing strips
- beaconing von taxi ways
- beaconing aviation obstacles



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter max. mm	Total length max. mm	Light centre length mm	Luminous f ux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
00842478	5.83A 35W BA20s	6	35	5.83	Ba20s/23	36	63	31	min 468	1,000			
00842556	36W 6.0A BA20s	6	36	6	Ba20s/23	36	63	31	min 468	1,000			

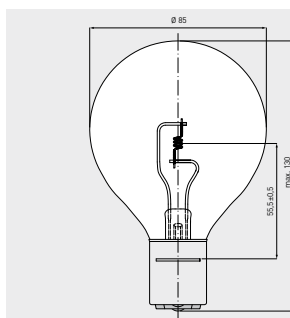


Article no.	Description	V	W	Am- perage	Socket	Bulb diameter max. mm	Total length max. mm	Light centre length mm	Luminous f ux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
70842307	6.6A 30W P28s		30	6.6	P28s	33	98	38	450	800			
70842310	6.6A 45W P28s		45	6.6	P28s	33	98	38	730	1,000			
70842324	6.6A 100W P28s		100	6.6	P28s	33	98	38	1,850	1,000			

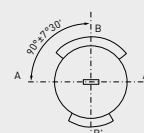
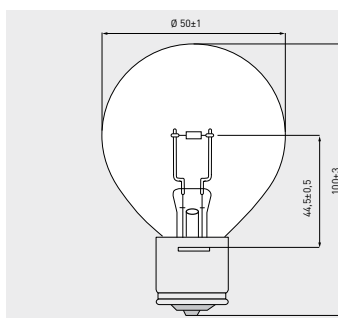
Standard lamps

For illuminating approach paths, runways and landing strips, taxi ways and aviation obstacles

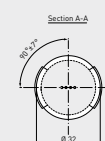
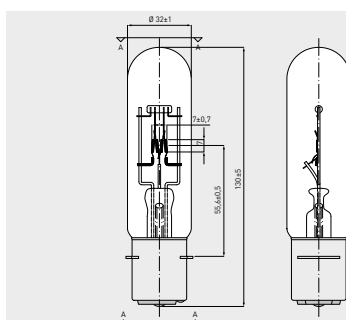
For special features, specific benefits and areas of use see page 94



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter mm	Total length max. mm	Light centre length mm	Luminous flux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
00842560	6.6A 200W P28s	30.3	200	6.6	P28s	85	130	55.5	3,700	800			



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter max. mm	Total length max. mm	Light centre length mm	Luminous flux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
70842329	6.6A 200W P28s	30.3	200	6.6	P28s	51	103	44.5	4,600	200			

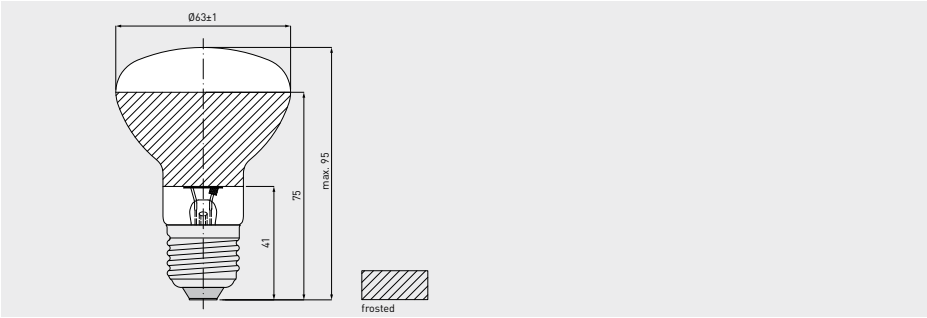


Article no.	Description	V	W	Am- perage	Socket	Bulb diameter max. mm	Total length max. mm	Light centre length mm	Luminous flux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
70842312	6.6A 210W P28s/33	31.81	210	6.6	P28s	33	135	55.6	4,500	300			

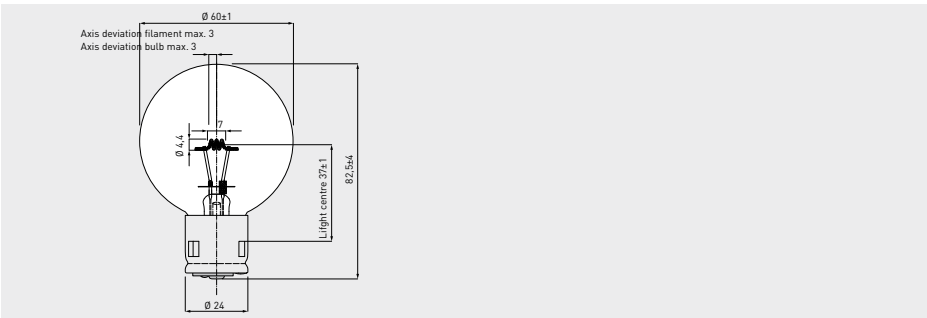
Standard lamps

For illuminating approach paths, runways and landing strips, taxi ways and aviation obstacles

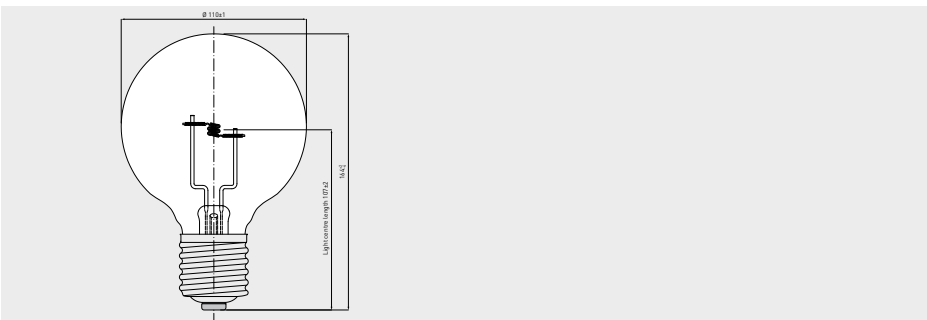
For special features, specific benefits and areas of use see page 94



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter max. mm	Total length max. mm	Light centre length mm	Luminous f ux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
00842587	12V 50W E27	12	50		E27/27	64	95		725	1,000			



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter max. mm	Total length max. mm	Light centre length mm	Luminous f ux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
00842013	24V 200W B24s	24	200		B24s-3	61	86.5	37	4,000	100			



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter max. mm	Total length max. mm	Light centre length mm	Luminous f ux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
00842448	24V 500W E40	24	500		E40/45	111	166	107	10,000	min. 50			

Signal lamps for the air

Medical lamps

Photo, studio and stage lamps

Domestic lamps

Other special lamps

Standard lamps

For illuminating approach paths, runways and landing strips, taxi ways and aviation obstacles

Special features:

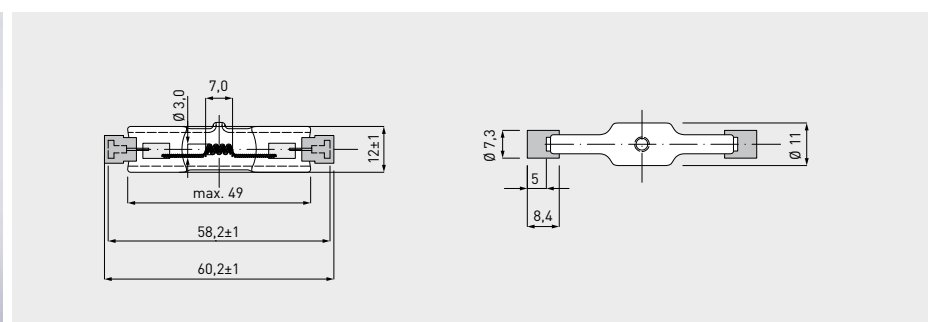
- precision of manufacture, minimum tolerances in the positioning of the filaments
- premium-quality inert gas filling
- fulfil the requirements of ICAO and any national regulations

Specific benefits:

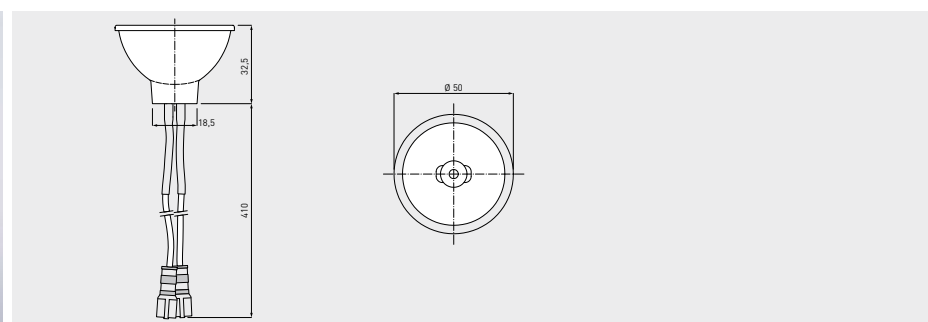
- high, constant luminous flux
- high resistance to outside influences, shock and vibration
- long life

Areas of use:

- beaconing approach paths
- beaconing runways and landing strips
- beaconing of taxi ways
- beaconing aviation obstacles



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D max. mm	Total length L mm	Light centre length mm	Luminous flux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
00847127	6.6A 100W R7s/20		100	6.6	R7s	13	60.2		2,000	1,000		any	
00847162	6.6A 200W R7s/20 length 64.2mm		200	6.6	R7s	13	64.2		4,400	1,000		any	
00847128	6.6A 200W R7s/20 length 60.2mm		200	6.6	R7s	13	60.2		4,400	1,000		any	

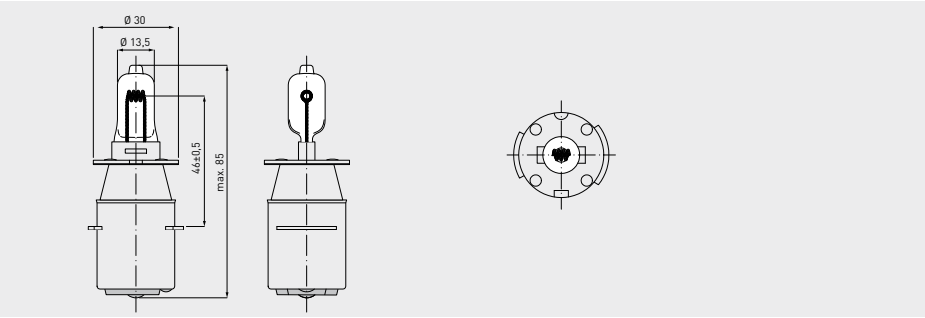


Article no.	Description	V	W	Am- perage	Socket	Bulb diameter mm	Total length mm	Light centre length mm	Lumi- nous flux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
00847147	6.6A 150W MR16 (50mm reflector)		150	6.6	cable with 2 pieces of blade receptacle 6.3 x 0.8	50	32.5		3,000	1,000			

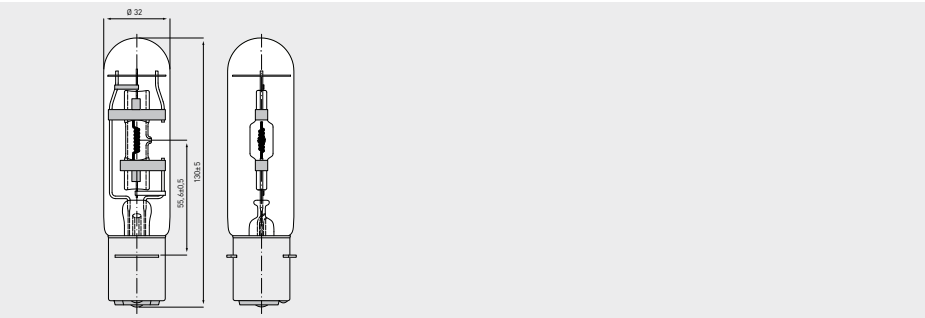
Standard lamps

For illuminating approach paths, runways and landing strips, taxi ways and aviation obstacles

For special features, specific benefits and areas of use see page 97



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter	Total length	Light centre length	Luminous f ux	Average life	Individual life	Burning position	PU
00847168	6.6A 200W P28s	30.3	200	6.6	P28s	13.5	85	46	4,800	1,000	h (<2% malfunction)		



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter	Total length	Light centre length	Luminous f ux	Average life	Individual life	Burning position	PU
00847166	8.33A 200W P28s 32x132 clear	24	200	8.33	P28s	32	135	55.6	3,600	1,000	h (<2% malfunction)		



Position lamps

Aeroplane headlights

Special features:

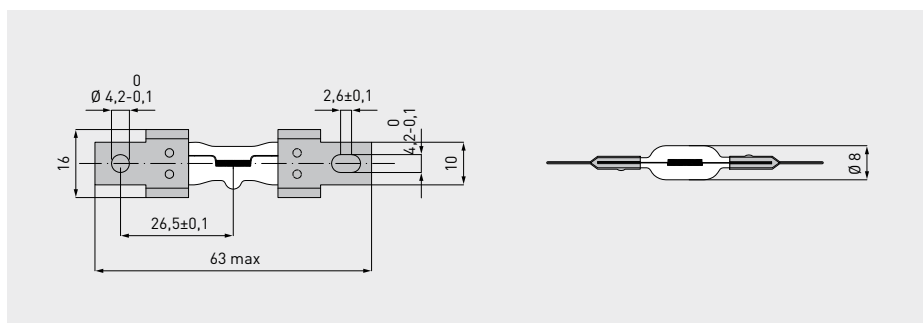
- precision of manufacture, minimum tolerances in the positioning of the filaments
- compact luminary

Specific benefits:

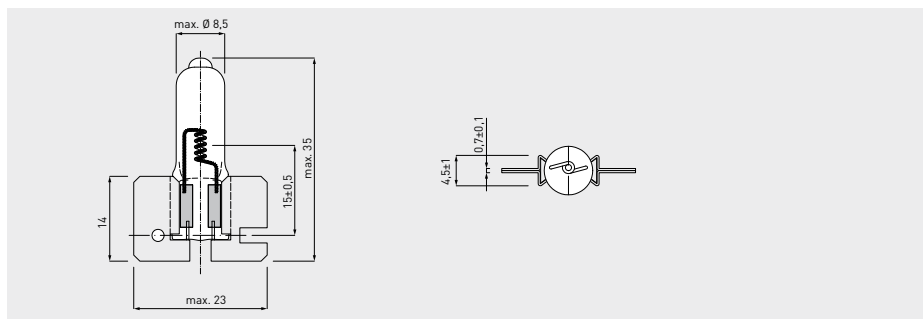
- high, constant luminous flux
- high resistance to shock and vibration
- designed for 28 V onboard voltage

Areas of use:

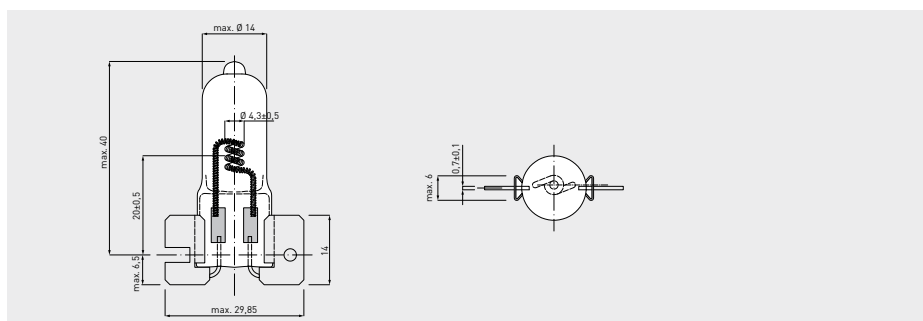
- aeroplane headlights



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter mm	Total length max. mm	Light centre length mm	Luminous flux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
00847609	28V 85W N8x63 clear	28	85	3.04	special	8.0	63		2,000	250			



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter max. mm	Total length max. mm	Light centre length mm	Luminous flux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
00847605	28V 85W A23/14 T8.5x35 CL	28	85	3.04	A23/14	8.5	35	15	1,870	300			
00847604	28V 120W A22/14 T8.5x35 CL	28	120	4.29	A22/14	8.5	35	15	2,300	800			



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter max. mm	Total length max. mm	Light centre length mm	Luminous flux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
00847603	28V 250W A29/14 Halogen	28	250	8.93	A29/14	14	46.5	20	6,800	270			



The strictest conditions apply to medical lamps and lights

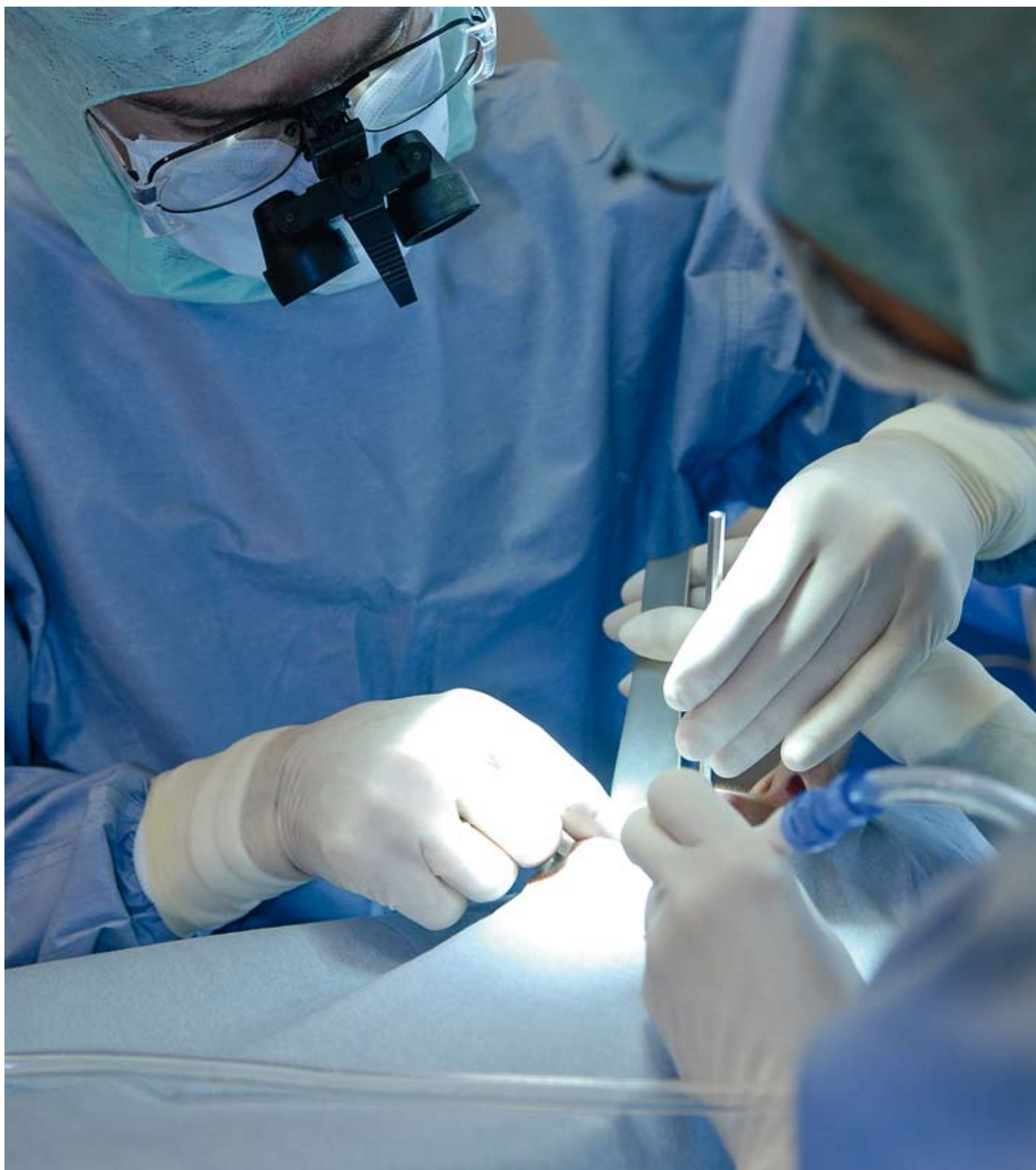
There are frequently reports of operations that are supposed to have been carried out after a power cut using the lights from mobile phone displays. And it is certainly possible in some individual cases that emergency medical treatment has to take place in very difficult light conditions.

But the standard requirements made on lighting during operations, in dentistry or medical analysis are extremely high.

Lamps used in these areas must have good colour reproduction, high light yield and the lowest possible heat emission. And they must be extremely safe and reliable.

In Kegler Lichttechnik GmbH, the DR FISCHER Group has a centre of competence that fulfils the highest quality standards and can also manually manufacture very small batches that are made precisely to fulfil the specific requirements.

Medical lamps	100
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Focussing on dental lighting

In the field of medicine in particular, optimum conditions for enabling the rapid and safe perception of a given situation, thereby enabling safe and professional work, must be guaranteed.

Dental lights with special lamps are required while seeking evidence or making a diagnosis and treatment at dental practices. During the intraoral examination, the examination of the patient's teeth, gums and other mucous membranes in the oral cavity, sufficient glare-free brightness is an important prerequisite. Another quality criterion for light is also colour reproduction.

But orthodontics, implantology, oral, jaw and maxillofacial surgery require perfect light. For this reason, lamps made for these purposes must fulfil the highest standards of precision. The surgeon can only make a correct diagnosis and a good therapeutic intervention if the treatment area is illuminated perfectly.

Reliable lamps are also the basis of safe and skillfully-crated work in dental laboratories. Bright, glare-free light is a necessity when models are being created. Colour-neutral light is important for manufacturing dental prostheses that match the colour of the existing teeth.



Standard lamps

Dental technology

Special features:

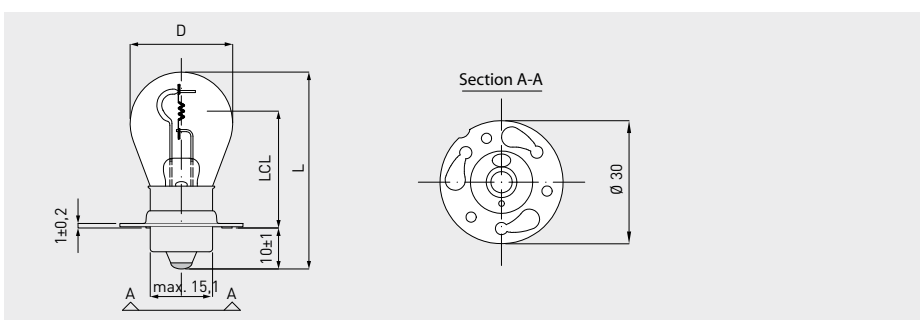
- transparent, with mirrored or black dome
- precision of manufacture, minimum tolerances in the positioning of the filaments
- compact luminary
- premium-quality inert gas filling
- different special sockets available
- IR coating possible
- as a custom specification: lamps with a bimetallic switch in the socket

Specific benefits:

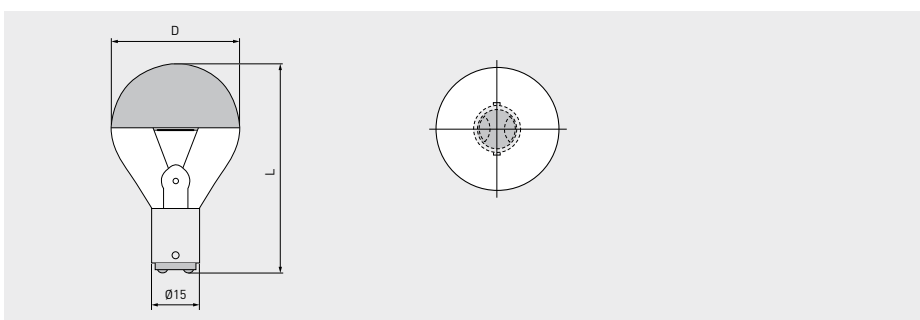
- very precise positioning in the light
- optimum power concentration
- with IR coating: the same luminosity with reduced heat emission
- high luminous flux
- high operating safety

Areas of use:

- dental lighting



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D max. mm	Total length max. mm	Light centre length mm	Luminous flux lm	Average life h	Individual life h	Burning position	PU
00842508	12V 25W P30s	12	25		P30s	26.2	50.8	28.9	360	500			

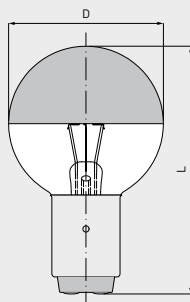


Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D mm	Total length L max. mm	Light centre length mm	Lumi- nous flux lm	Average life h	Individual life h	Burning position	PU
00936004	12V 25W BA15d transversal	12	25		BA15d	40	66		300	600			
00936111	12V 35W BA15d axial	12	35	2.92	BA15d	40	63		390	500			
00936011	12V 40W BA15d transversal	12	40		BA15d	40	63		500	600			
00936065	24V 25W BA15d transversal	24	25		BA15d	50	74		300	300			
00936001	24V 25W BA15d with Vorsocket axial	24	25		BA15d	40	64		350	500			
00936012	24V 25W BA15d transversal	24	25		BA15d	40	65		300	300			
00936035	24V 30W BA15d transversal	24	30		BA15d	40	62		450	200			
00936014	24V 40W BA15d transversal	24	40		BA15d	40	65		500	600			
00936015	24V 40W BA15d axial	24	40		BA15d	40	65		500	600			
00936064	24V 40W BA15d transversal	24	40		BA15d	50	74		500	600			

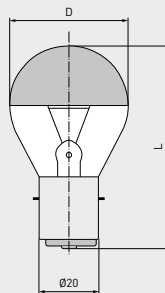
Standard lamps

Dental technology

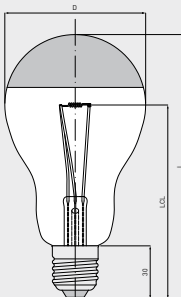
For special features, specific benefits and areas of use see page 104



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D mm	Total length L max. mm	Light centre length mm	Luminous f ux lm	Average life h	Individual life h	Burning position	PU
00936041	24V 40W BX22d transversal	24	40		BX22d	50	86		550	600			
00936009	24V 50W BX22d transversal	24	50		BX22d	50	82		670	300			
00936046	50V 50W BX22d transversal	50	50		BX22d	50	82		415	1,000			



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D mm	Total length L max. mm	Light centre length mm	Luminous f ux lm	Average life h	Individual life h	Burning position	PU
00936023	24V 25W BA20d transversal	24	25		BA20d	40	64		350	500			
00936042	24V 25W BA20d transversal	24	25		BA20d	40	max. 68		330	600			
00936016	24V 60W BA20d axial	24	60	2.5	BA20d	40	max. 68		860	400			

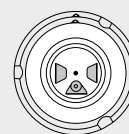
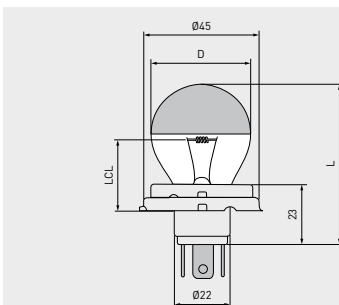


Article no.	Description	V	W	Am- perage	Socket	Bulb diameter mm	Total length max. mm	Light centre length mm	Luminous f ux lm	Average life h	Individual life h	Burning position	PU
00936026	24V 75/75W E27	24	75/75		E27	80	150	110	1,700	100			
00936025	24V 100/100W E27	24	100/100		E27	90	170	130	3,500	100			
00936033	24V 50/50W B22d/25x26	24	50/50		B22d	70	117	78	1,400	300			

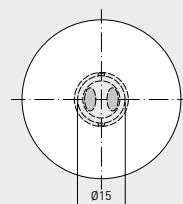
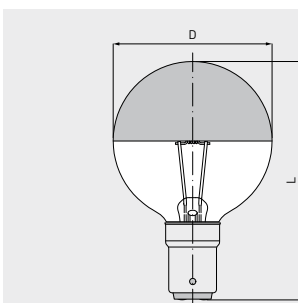
Standard lamps

Dental technology

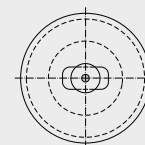
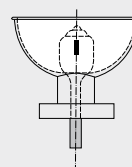
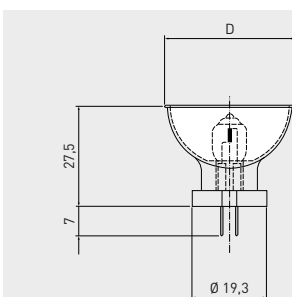
For special features, specific benefits and areas of use see page 104



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D mm	Total length L max. mm	Light centre length mm	Luminous f ux lm	Average life h	Individual life h	Burning position	PU
00936054	24V 1.4A P45t transversal	24		1.4		40	76	35	430	600			
00936055	24V 1.4A P45t transversal	24		1.4		40	76	28	430	600			
00936063	24V 1.6A P45t transversal	24		1.6		40	76	28	500	600			



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length mm	Luminous f ux lm	Average life h	Individual life h	Burning position	PU
00936062	24V 40W BA15d/24x17 50x76 kv	24	40		BA15d	50	76		550	500			

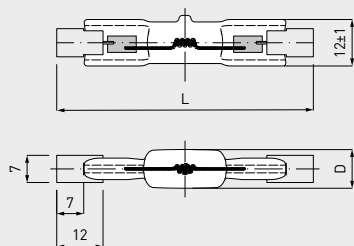


Article no.	Description	V	W	Am- perage	Socket	Bulb diameter max. mm	Total length max. mm	Light centre length mm	Lumi- nous f ux lm	Average life h	Individual life h	Burning position	PU
8600127500	reflector lamp 12V 75W with heat shield	12	75		Special				2,300	300			

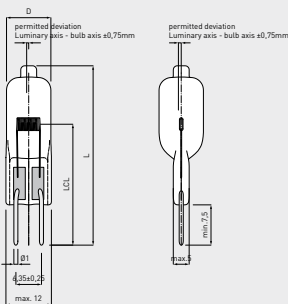
Standard lamps

Dental technology

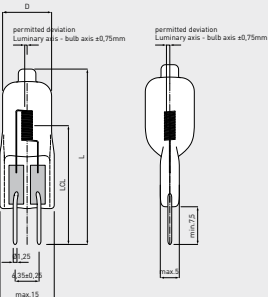
For special features, specific benefits and areas of use see page 104



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length mm	Lumi- nous f ux lm	Average life h	Individual life h	Burning position	PU
00847154	22.8V 75W R7s 13.5x64 clear H018366	22.8	75	3.3	R7s	13.5	64		1,600	1,000			



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length mm	Lumi- nous f ux lm	Average life h	Individual life h	Burning position	PU
00847519	22.8V 150W G6.35 10.7x47 clear transversal	22.8	150	6.6	G6.35	11	47	30.5	4,300	500		S90	
00847518	22.8V 250W G6.35 13x51 clear transversal	22.8	250	11	G6.35	13	53	33	8,000	300		S90	
00847528	22.8V 250W G6.35 13x51 clear transversal	22.8	250	11	G6.35	13	51	33	6,000	1,000		S90	
00847525	24V 150W G6.35 12x47 clear transversal	24	150	6.25	G6.35	11	47	30.5	4,500	300		S90	
00847529	24V 150W G6.35 12x47 clear transversal	24	150	6.25	G6.35	11	47	30.5	3,450	1,000		S90	
00847523	24V 250W GY6.35 16x56 clear transvers.	24	250	10.4	G6.35	16	56	37.5	6,200	1,000		S90	
00847520	22.8V 55W G6.35 10.7X 41 clear transver.	22.8	55	2.4	G6.35	11	41	30.5	1,100	1,000		S90	

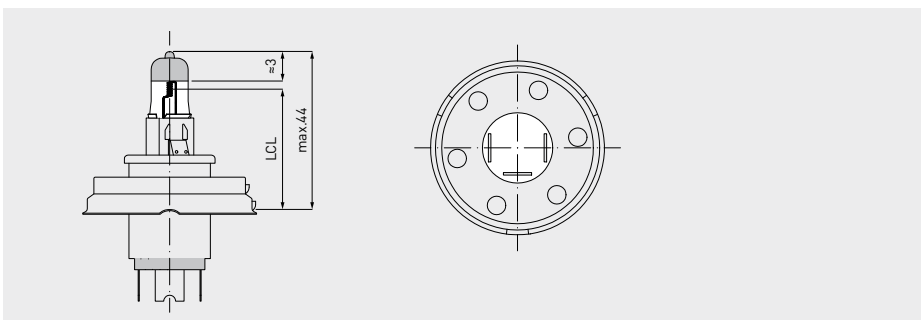


Article no.	Description	V	W	Am- perage	Socket	Bulb diameter max. mm	Total length max. mm	Light centre length mm	Lumi- nous f ux lm	Average life h	Individual life h	Burning position	PU
00847521	22.8V 150W G6.35 axial	22.8	150	6.6	G6.35	14	48	32.5	2,800	1,000		S90	
00847524	24V 100W GY 6.35 axial	24	100	4.17	G6.35	12	44	30.5	2,200	1,000		S90	
00847139	24V 120W G6.35 axial	24	120	5	G6.35	11	44	29.9	2,500	800			

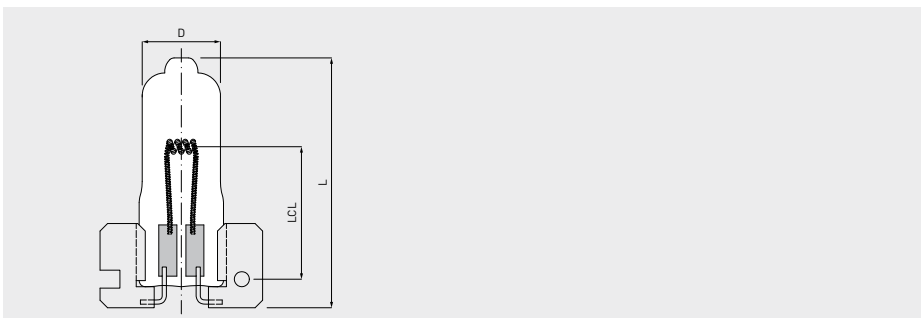
Halogen Lamps

Dental technology

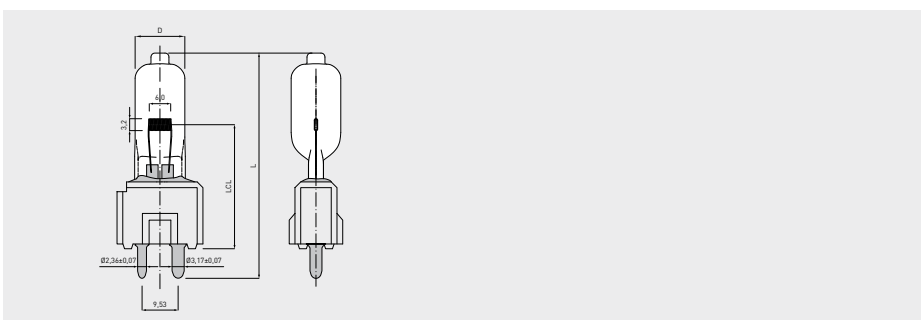
For special features, specific benefits and areas of use see page 104



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter max. mm	Total length max. mm	Light centre length mm	Luminous f ux lm	Average life h	Individual life h	Burning position	PU
00847635	24V 35W P45t dome, matt	24	35		P45t	10	68	32.5	438	1,000			



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter max. mm	Total length max. mm	Light centre length mm	Luminous f ux lm	Average life h	Individual life h	Burning position	PU
00847807	24V 100W A26/14 transversal	24	100	4.17	A26/14	14	41.5	22	2,500	500		S90	
00847514	24V 120W A26/14 transversal	24	120		A26/14	13	41		3,000	500		S90	

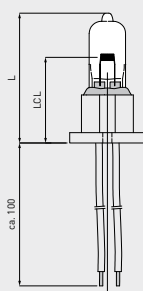


Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length mm	Lumi- nous f ux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
8910242150	24V 150W GZ9.5 T.13x59 K234	24	150		GZ9.5	13	59	33		300			

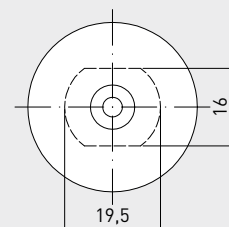
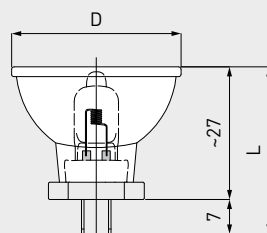
Halogen Lamps

Dental technology

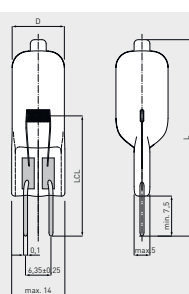
For special features, specific benefits and areas of use see page 104



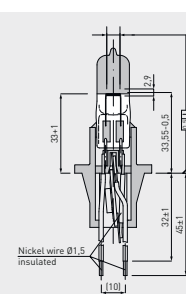
Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length mm	Lumi- nous f ux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
8702415000	24V 150W Halogen K214	24	150		Special	11	53	33	2,100	4,000			



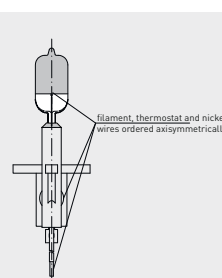
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00847804	13V 80W G5.3-4.8 K118	13	80		G5.3								



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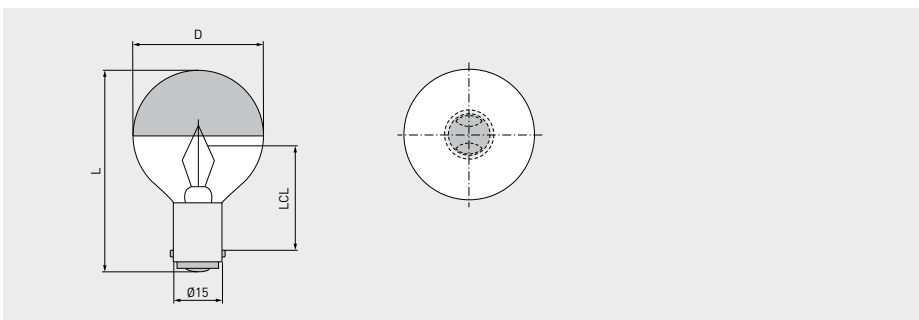
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Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length mm	Luminous f ux lm	Average life h	Individu- al life h	Burning position	PU
8703163102	Halogen lamp 20V 115W	20	115	5.75	G6.35	13	50	32	3,000	1,500			
860024150R	Halogen lamp 24V 150W fully assembled	24	150		special	13	99	32	700	3,200			
8700432021	Halogen lamp 22V 125W	24	150	6.25	G6.35	13	59	32	5,000	300			

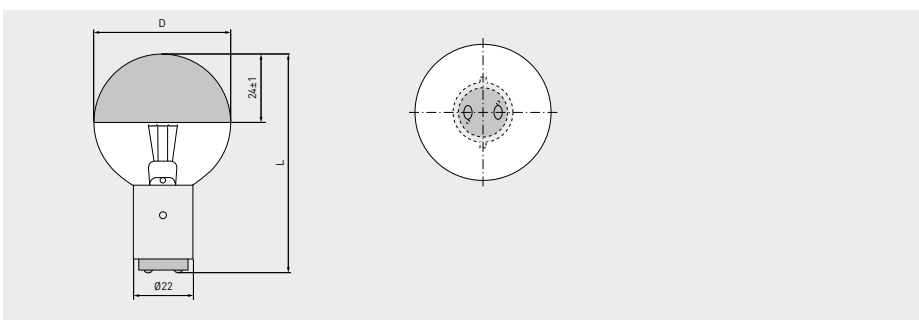
Halogen Lamps

Dental technology

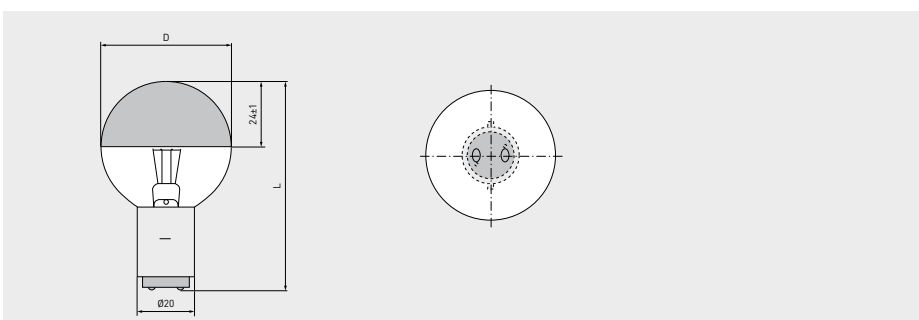
For special features, specific benefits and areas of use see page 104



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D mm	Total length L max. mm	Light centre length mm	Lumi- nous f ux lm	Average life h	Individual life h	Burning position	PU
00936030	110V 30W BA15d/19	110	30		BA15d	40	63	35	280	600			



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length mm	Luminous f ux lm	Average life h	Individual life h	Burning position	PU
00936040	110V 50W BX22d	110	50		BX22d	50	86		500	600			
00936007	220-240V 50W BX22d	220-240	50		BX22d	50	82		370	1,000			
00936008	240V 50W BX22d	240	50		BX22d	50	82		370	1,000			

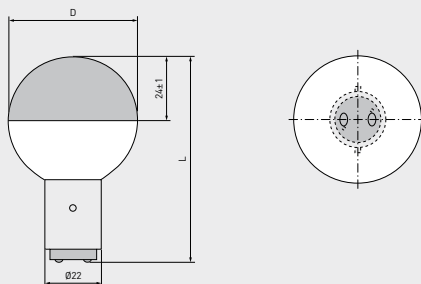


Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D mm	Total length L max. mm	Light centre length mm	Lumi- nous f ux lm	Average life h	Individual life h	Burning position	PU
00936021	230V 50W Ba20d/26 50x80 kv	230	50		BA20d	50	80		370	1,000			

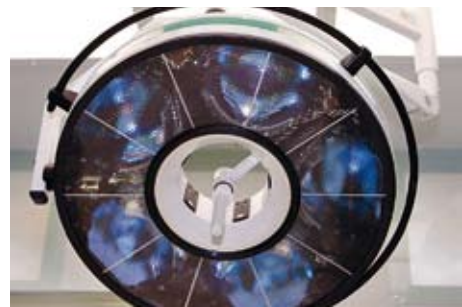
Standard lamps

Dental technology

For special features, specific benefits and areas of use see page 104



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length mm	Lumi- nous f ux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
00936034	110V 50W BX22d matt/mirror	110	50		BX22d	50	86		300	1,000			
00936037	220V 50W BX22d matt/mirror	220	50		BX22d	50	82		370	1,000			
00936010	220-240V 50W BX22d matt/mirror	220-240	50		BX22d	50	82		370	1,000			



Precision

Precision is crucial in an operation.

The operating team require sufficient bright light in order to be able to see exactly what is happening in the area being operated on. They must be able to judge what exactly is to be seen quickly and safely. Modern operating lights and high-precision operating lamps are of great assistance here.

The lamps must guarantee the highest possible precision in terms of filament position; they must be superbly manufactured and accordingly safe

and they must provide good colour reproduction. This allows the recognition of the finest colour nuances in the tissue. The colours red and yellow predominate in wound areas, which makes natural, high-contrast reproduction all the more important.

One further relevant criterion is low heat emission. Heat can dry up tissue and makes working conditions worse for those performing the operations.



Standard lamps

Operation lighting

Special features:

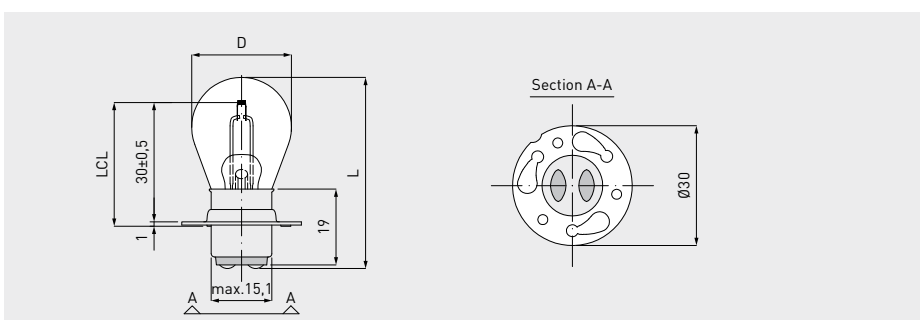
- transparent, with mirrored or black dome
- precision of manufacture, minimum tolerances in the positioning of the filaments
- compact luminary
- premium-quality inert gas filling
- different special sockets available
- IR coating possible

Specific benefits:

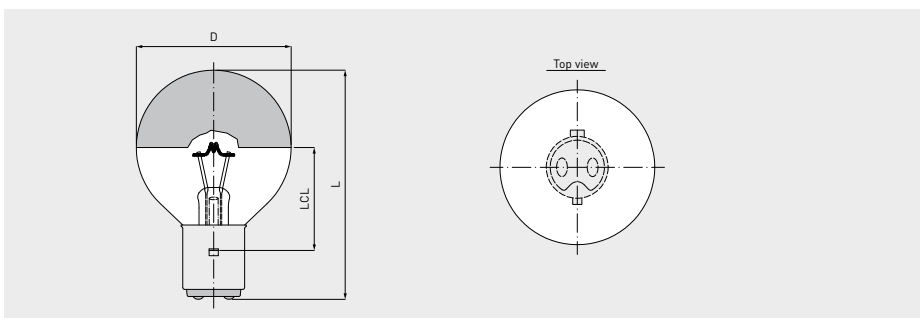
- very precise positioning in the light
- optimum power concentration
- with IR coating: same luminosity with reduced heat emission
- high luminous flux
- high operating safety

Areas of use:

- in operating lamps



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length LCL mm	Luminous flux lm	Average life h	Individual life h	Burning position	PU
00843427	6.5V 2.75A P30s-ring 25x48 clear	6.5		2.75	P30s	25	48	30	300	100			
00843013	6V 15W S15d/19 with P30 ring	6	15		P30d	25	48	30.2	130	100			

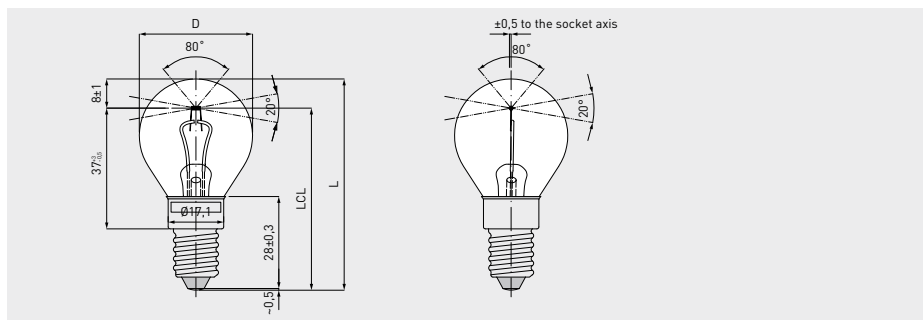


Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length LCL mm	Luminous flux lm	Average life h	Individual life h	Burning position	PU
00936018	12V 60W BA20d	12	60		BA20d	40	64		900	100			
00945027	12V 100W BA20d clear	12	100		BA20d	40	67		1,600	100			
00935026	12V 100W BA20d	12	100		BA20d	50	76		1,600	100			
00935037	24V 35W BA20d	24	35		BA20d	40	68		500	900			
00935043	24V 50W BA20d	24	50		BA20d	40	67		600	700			
00935068	24V 75W BA20d	24	75		BA20d	40	70		850	800			
00935156	24V 100W BA20d	24	100		BA20d	50	78		1,700	100			
00935051	42V 50W BA20d	42	50		BA20d	40	67		700	1,000			

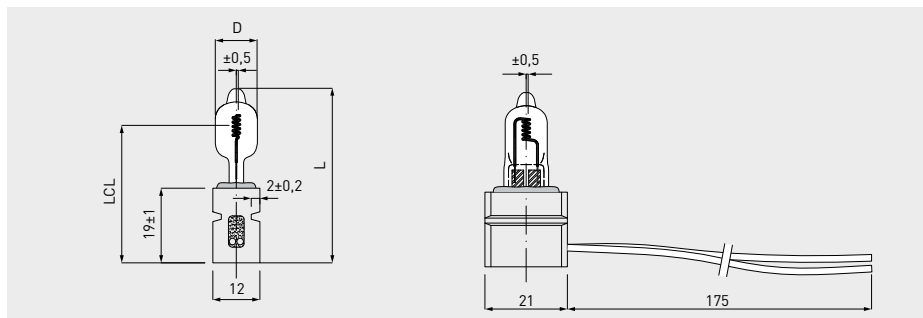
Standard lamps

Operation lighting

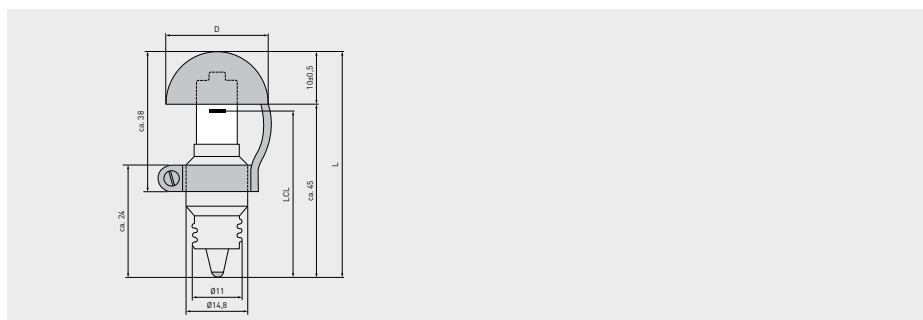
For special features, specific benefits and areas of use see page 114



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length mm	Luminous f ux lm	Average life h	Individual life h	Burning position	PU
X0843396	6V 4.5A E14	6		4.5	E14	36	64	56	480	400			



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length mm	Lumi- nous f ux lm	Average life h	Individual life h	Burning position	PU
00847512	22.8V 110W ceramic socket +2-pole AMP St	22.8	110		special	11	46	35.25	2,900	700			

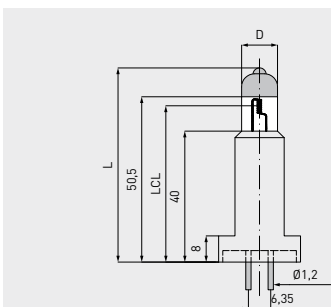


Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length mm	Lumi- nous f ux lm	Average life h	Individual life h	Burning position	PU
89002440BS	Halogen lamp 24V 40W Blackshield	24	40		E11	30	55	40	950	500			

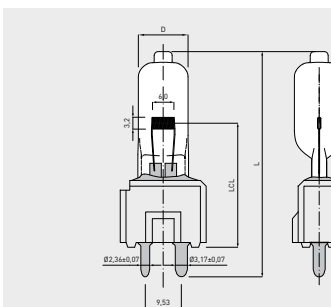
Halogen Lamps

Operation lighting

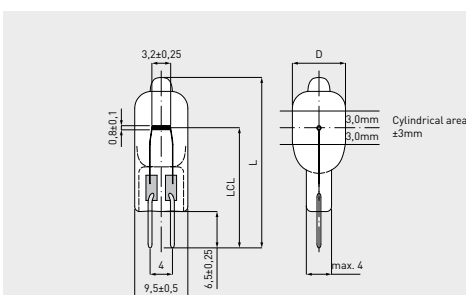
For special features, specific benefits and areas of use see page 114



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length mm	Luminous flux lm	Average life h	Individual life h	Burning position	PU
00847067	24V 35W Special socket	24	35		Special	11	60	48.5	900	700			



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length mm	Lumi- nous flux lm	Average life h	Individual life h (<2% malfunction)	Burning position	PU
00847126	12V 100W GY 9.5 ceramic - Halogen	12	100		GY9	13	44	31	2,000	1,000			

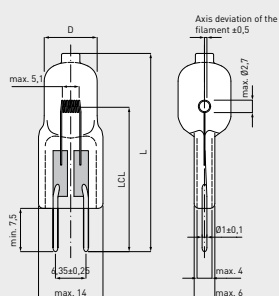


Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length mm	Lumi- nous flux lm	Average life h	Individual life h	Burning position	PU
00847125	12V 20W G4	12	20		G4	9.5	30	19.5	400	2,000			

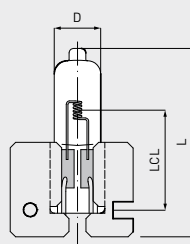
Halogen Lamps

Operation lighting

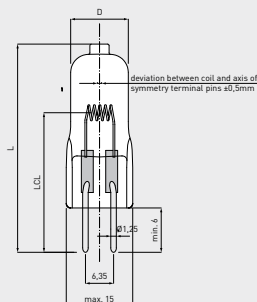
For special features, specific benefits and areas of use see page 114



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length mm	Luminous flux lm	Average life h	Individual life h	Burning position	PU
00847129	12V 100W G6.35 2000lm Halogen	12	100		G6.35	11.5	42	30	2,000	1,000			



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length mm	Lumi- nous flux lm	Average life h	Individual life h	Burning position	PU
00847134	24V 80W A19.5/14 clear C8	24	80	3.33	A19.5/14	8	31	15.0	1,600	1,000			
00847153	24V 80W A22/14 clear C8	24	80	3.33	A22/14	8	30	18.0	1,600	1,000			
00847150	24V 100W A19.5/14 matt C8	24	100		A19.5/14	9	31	12.25	2,000	800			
00847130	24V 140W A26/14 clear CC6	24	140	5.83	A26/14	13	43	29	3,800	200			
00847137	24V 140W A26/14 clear CC6	24	140		A26/14	13	42	19.5	4,000	200			
8600023100	Halogen lamp 23V 100W ALM	23	100	4.35	X-514	13	48	15	2,500	300			
8600024100	Halogen lamp 24V 100W X-514	24	100		X-514	13	48						

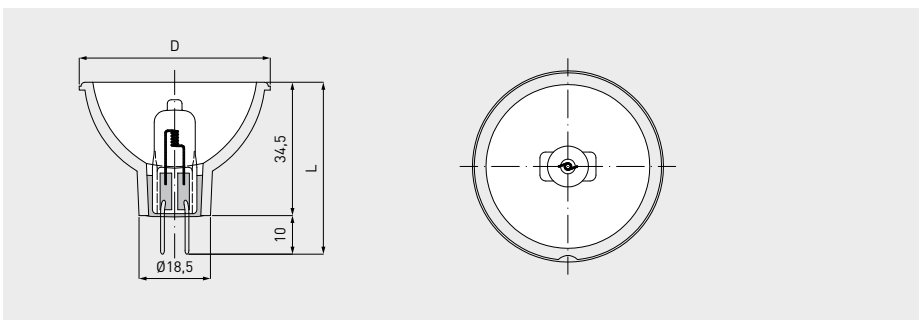


Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length mm	Lumi- nous flux lm	Average life h	Individual life h	Burning position	PU
8800042150	42V 150W GY 6.35	42	150	3.6	G6.35	15	47	32	2,800	1,000			

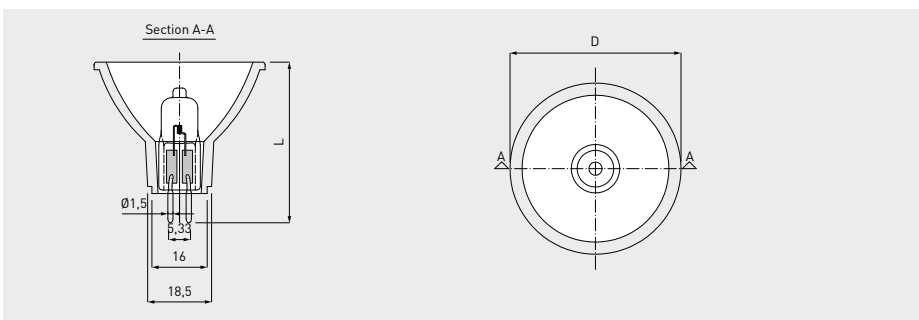
Halogen Lamps

Operation lighting

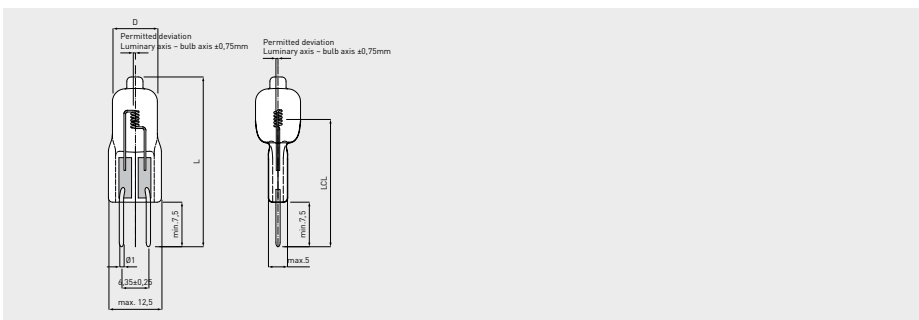
For special features, specific benefits and areas of use see page 114



Article no.	Description	V	W	Am-perage	Socket	ref ector diameter	Total length L	Light centre length	Lumi-nous f ux	Average life	Individual life	Burning position	PU
						mm	max. mm	mm	lm	h	h		
00847160	22.8V 50W GX 5.3 axial short with reflector	22.8	50		GX5.3	50	44.5		1,100	700			



Article no.	Description	V	W	Am-perage	Socket	ref ector diameter D	Total length	Light centre length	Lumi-nous f ux	Average life	Individual life	Burning position	PU
						mm	max. mm	mm	lm	h	h		
00847806	22.8V 30W GX5.3	22.8	30	1.3	GX5.3	50	46.5		600	800			

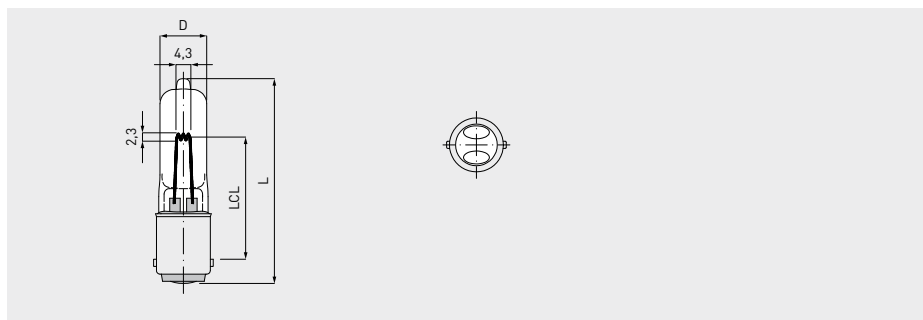


Article no.	Description	V	W	Am-perage	Socket	Bulb diameter D	Total length L	Light centre length	Lumi-nous f ux	Average life	Individual life	Burning position	PU
						max. mm	max. mm	mm	lm	h	h		
860022840A	22.8V 40W G6.35 axial 700lm	22.8	40		G6.35	11	44	31.25	700	1,000		S90	
860022840T	22.8V 40W G6.35 transversal	22.8	40	1.75	G6.35	12	44	30.5	800	1,000		S90	
86022850AX	22.8V 50W G6.35 axial	22.8	50	2,2	G6.35	11	44	30.5	1,100	700		S90	
860022850T	22.8V 50W G6.35 transversal	22.8	50	2,2	G6.35	11	44	30.5	950	1,000		S90	
8600255000	22.8V 50W G6.35 axial	22.8	50		G6.35	11	44	30.5				S90	
87022840AX	Halogen lamp 22.8V 40W AX	22.8	40		G6.35	11	44	30.5	900	800		S90	
87022850AX	Halogen lamp 22.8V 50W AX special	22.8	50		G6.35	11	44	30.5	1,100			S90	

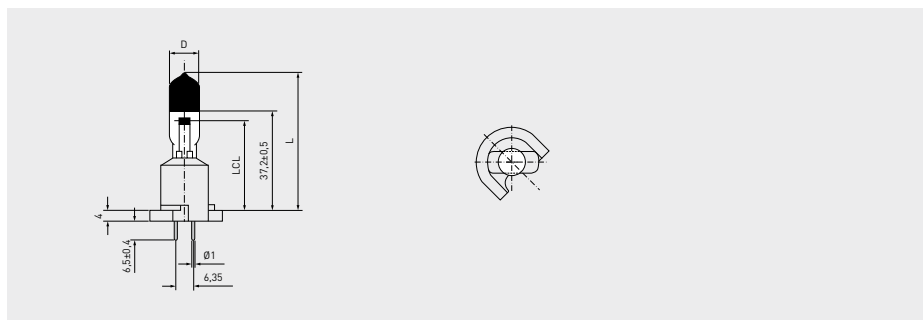
Halogen Lamps

Operation lighting

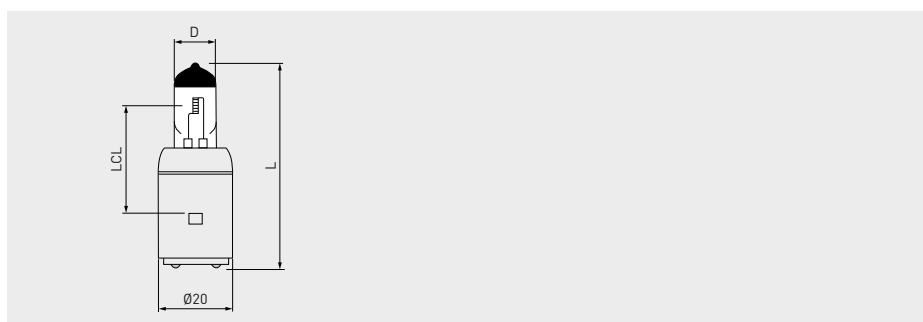
For special features, specific benefits and areas of use see page 114



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length mm	Luminous f ux lm	Average life h	Individual life h	Burning position	PU
00847527	24V 60W Ba15d/19 13x58 clear cc-6	24	60		Ba15d	13	58	34.5	1,300	700			



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length mm	Lumi- nous f ux lm	Average life h	Individual life h	Burning position	PU
8700215130	Halogen lamp 21.5V 130W	21.5	130		Special	12	53	33.5	3,500	1,000			

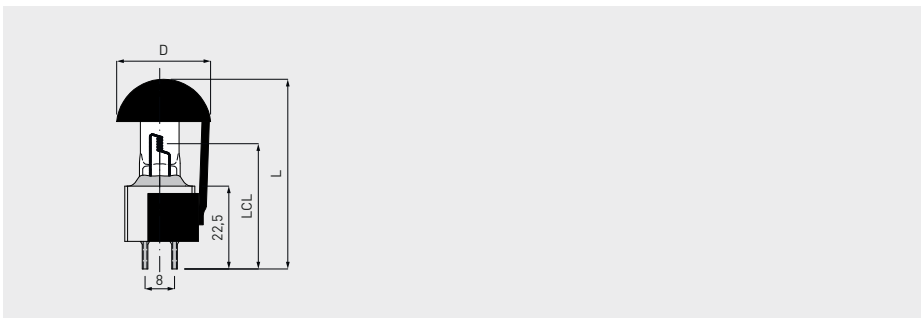


Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length mm	Lumi- nous f ux lm	Average life h	Individual life h	Burning position	PU
8700245020	Halogen lamp 24V 50W BA20d	24	50		BA20d	11	56	30	1,000	100			

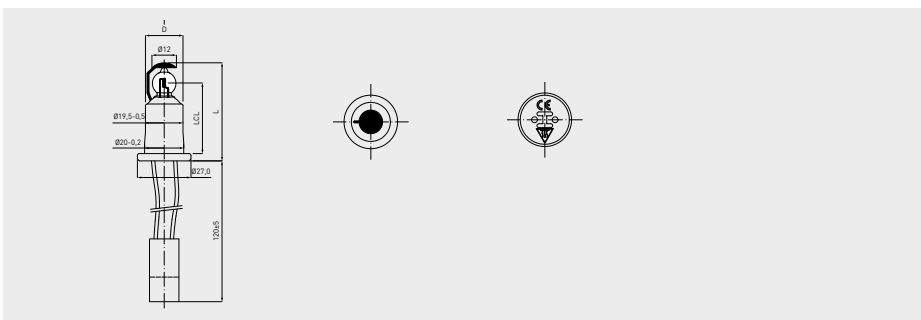
Halogen Lamps

Operation lighting

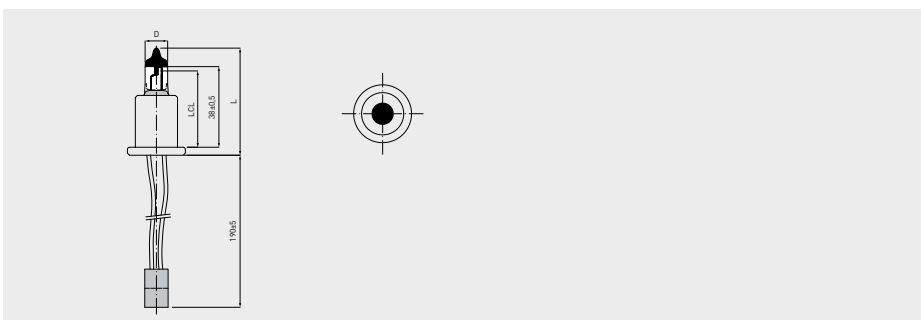
For special features, specific benefits and areas of use see page 114



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter max. mm	Total length max. mm	Light centre length mm	Luminous f ux lm	Average life h	Individual life h	Burning position	PU
8910002040	24V 40W axial silver cap	24	40	1.67		26	52	34	900	1,000			
8910002050	24V 50W axial silver cap	24	50	2.08		26	52	34	1,000	1,000			



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter max. mm	Total length max. mm	Light centre length mm	Lumino- us f ux lm	Average life h	Individual life h	Burning position	PU
00847805	22.8V 40W IRC	22.8	40		Special	12	51	36.5	1,200	800			

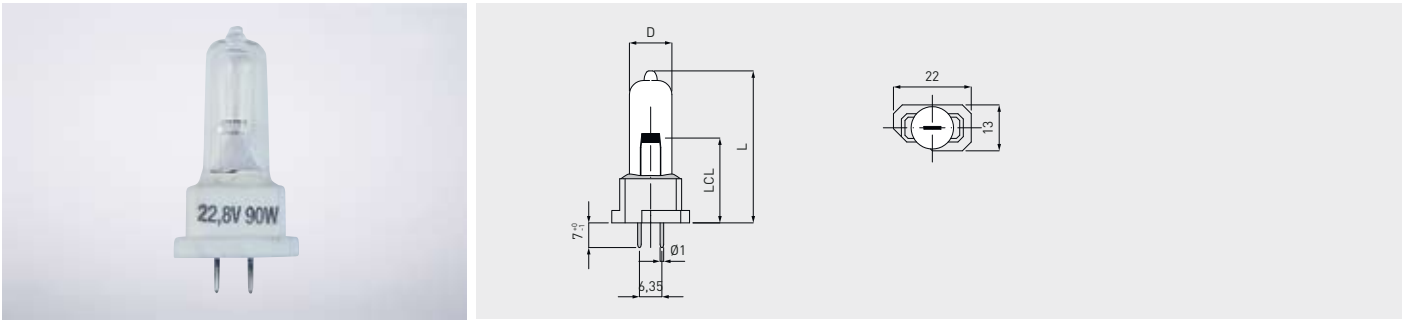


Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length mm	Lumi- nous f ux lm	Average life h	Individual life h	Burning position	PU
860002450K	Halogen lamp 24V 50W ceramic/flex	24	50		Special	12	240	36.5	850	600 bei 22.8V			

Halogen Lamps

Operation lighting

For special features, specific benefits and areas of use see page 114



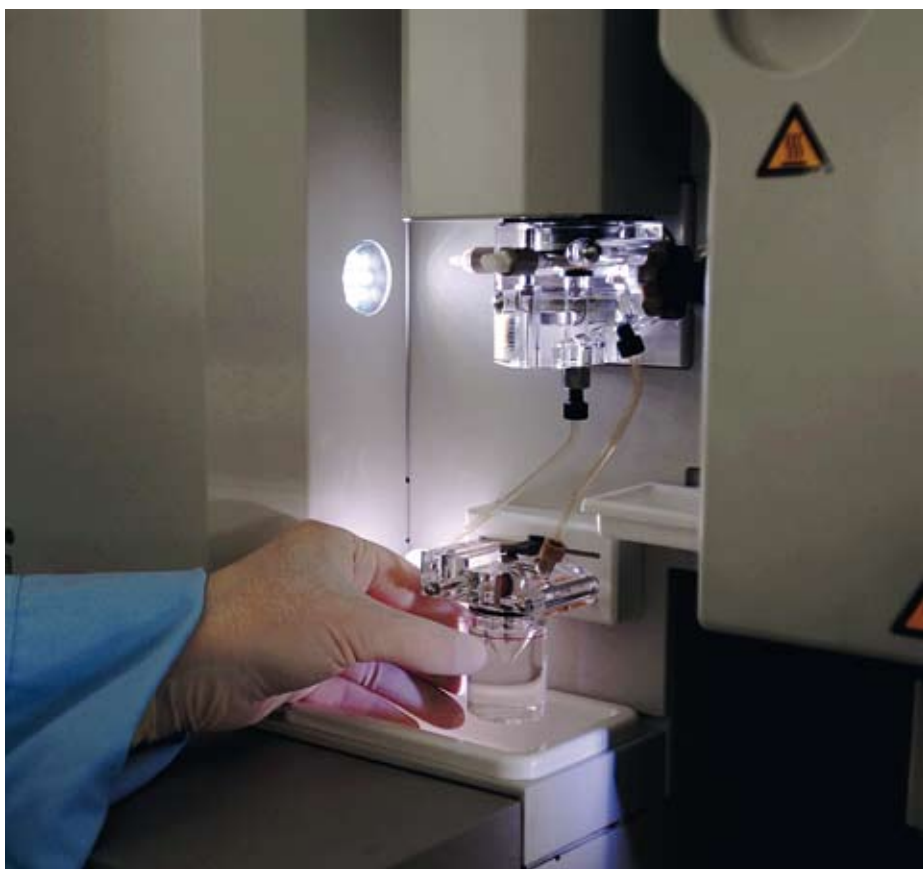
Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light cen- tre length mm	Lumi- nous f ux lm	Average life h	Individual life h	Burning position	PU
9100BLUE90	22.8V 90W Blue 90	22.8	90		Special	12	50	24	2.600	250			



Exactness

Many experimental and analytical techniques in medicine and research depend on good, colour-neutral and reliable light. In addition, the light source must only emit a minimum of heat but still provide sufficient light.

Whether it is a blood analysing device or an endoscope, the quality of the knowledge and results also depends causally on the quality of the DR FISCHER lamps. We are well aware that we have a serious responsibility here.



Halogen Lamps

For other medical lamps

Special features:

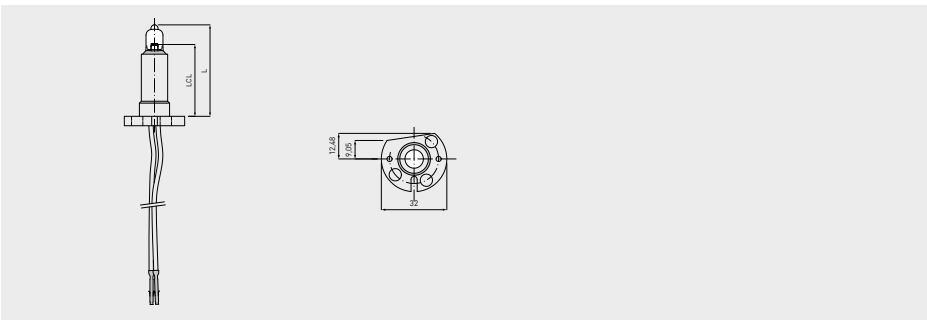
- clear halogen lamps
- precision of manufacture, minimum tolerances in the positioning of the filaments
- compact luminary
- premium-quality inert gas filling
- different special sockets available

Specific benefits:

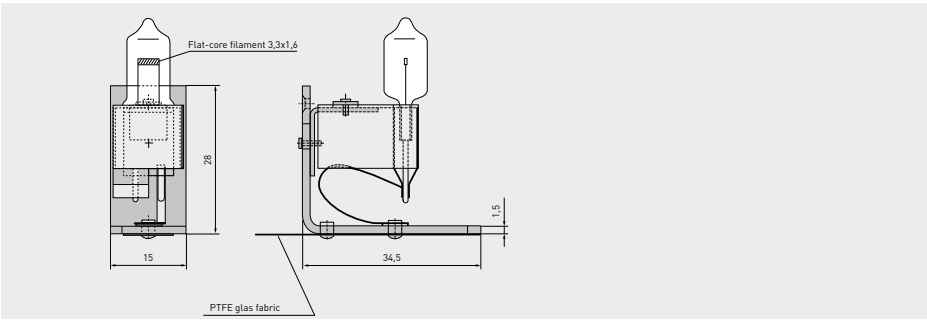
- very precise positioning in the device
- very well suited to compact optical systems
- constant, stable results even after lamp change (no re-centring required)
- high operating safety

Areas of use:

- various medical equipment



Article no.	Description	V	W	Am-perage	Socket	Bulb diameter max. mm	Total length max. mm	Light centre length mm	Lumi-nous f ux lm	Average life h	Individual life h	Burning position	PU
00847530	12V 20W Special socket with cable clear glass	12	20		Special								

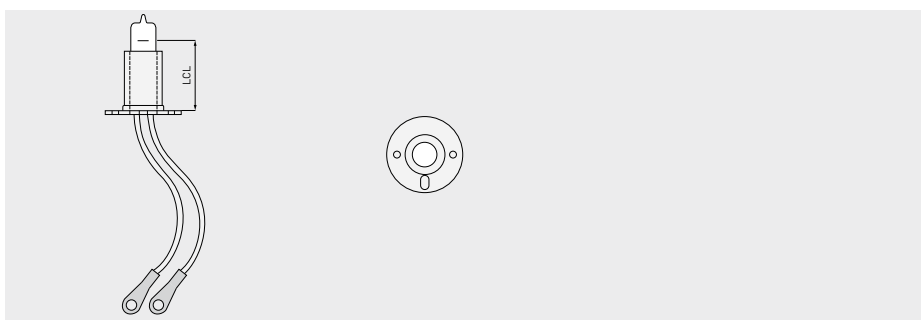


Article no.	Description	V	W	Am-perage	Socket	Bulb diameter max. mm	Total length max. mm	Light centre length mm	Luminous f ux lm	Average life h	Individual life h	Burning position	PU
890001250W	coil lamp 12V 50W	12	50		Special				1,200	50			

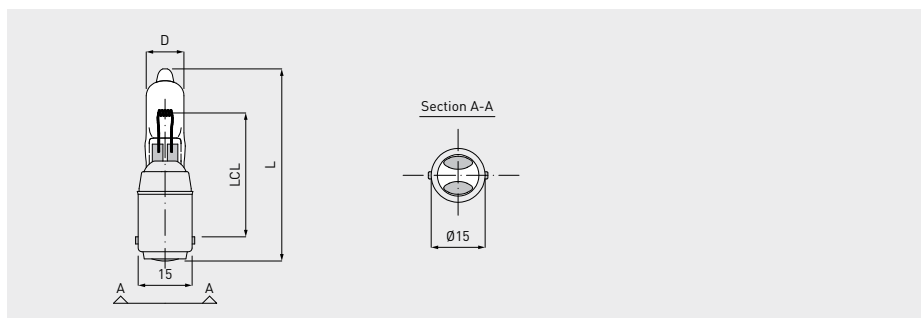
Halogen Lamps

For other medical lamps

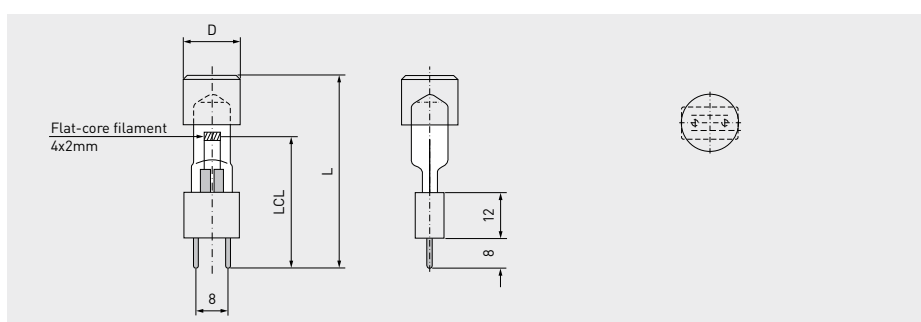
For special features, specific benefits and areas of use see page 124



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter mm	Total length max. mm	Light centre length mm	Luminous f ux lm	Average life h	Individual life h	Burning position	PU
8901220P15	12V 20W Special	12	20		Special	9	39		360	2,000			



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter max. mm	Total length max. mm	Light centre length mm	Lumi- nous f ux lm	Average life h	Individu- al life h	Burning position	PU
8900245015	Halogen lamp 24V 50W BA 15d	24	50		BA15d	11	55	35					

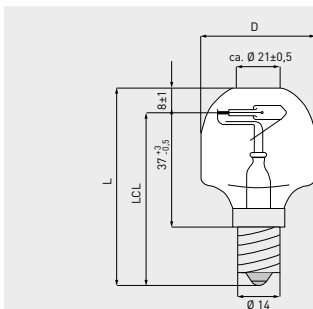


Article no.	Description	V	W	Am- perage	Socket	Bulb diameter max. mm	Total length max. mm	Light centre length mm	Luminous f ux lm	Average life h	Individual life h	Burning position	PU
89002450BT	Halogen lamp 24V 50W DKK	24	50		G8	15	53	35.5	1,200	500			

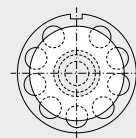
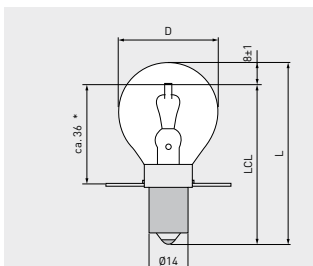
Halogen Lamps

For other medical lamps

For special features, specific benefits and areas of use see page 124



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length mm	Luminous f ux lm	Average life h	Individual life h	Burning position	PU
00847058	7.5V 38W E14 with enveloping bulb	7.5	38		E14	38	64	37	730	500			



* Ring is positioned with the aid of an optical bench!

Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length mm	Luminous f ux lm	Average life h	Individual life h	Burning position	PU
00843096	6V 4.5A E14 with 9-hole ring	6	4.5		E14	36	64		480	100			
00845260	6V 4.5A E14 with ring (flat-core filament)	6	4.5		E14	36	64		450	500			

Halogen Lamps

For other medical lamps



Signal lamps

Other medical lamps

Photo, studio and stage lamps

Domestic lamps

Other special lamps



Showtime

Special demands are made on lamps for use in studios or on stages. These demands involve light luminosity, low heat build-up and precision of filament positioning in order to enable the highest possible light yield and the highest possible precision of light emission.

In film, television and photo studios, beam lamps are used to improve picture quality. They make it possible to reduce exposure times or use smaller aperture, which decreases movement blur and increases depth of field.

In addition, flash beam lights are also used in photo studios that contain a conventional light source and a flashbulb.

Beam lamps are even used on film shoots outside buildings to improve illumination or change the atmosphere.

DR FISCHER Group lamps highlight the most important things and put them in their true perspective.

Photo, studio and stage lamps 128

Studio and stage lamps 130

Low-voltage	Projection lamps	For studio and stage projectors	132
Low-voltage halogen	Projection lamps	For studio and stage projectors	136
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Photo lamps 140

High-voltage	Photo lamps	Set lights for B/W and colour photography	142
	Photo lamps	Set lights for B/W and colour photography and video	143
	Photo lamps	Darkroom lamps (B/W photography)	145
	Photo lamps	Enlarger lamps (B/W photography)	146



Raise the curtains!

Drama is the sine qua non in the studio and on stage. Light is part of the setting – in the studio and on stage. It must illuminate a point precisely or create an image of space. Light can create atmospheres, it can concentrate and focus, it can also distract and alienate equally well.

But what it is also used for, its part too, is to be reliable and it must be available without "airs".



Projection lamps

For studio and stage projectors

Special features:

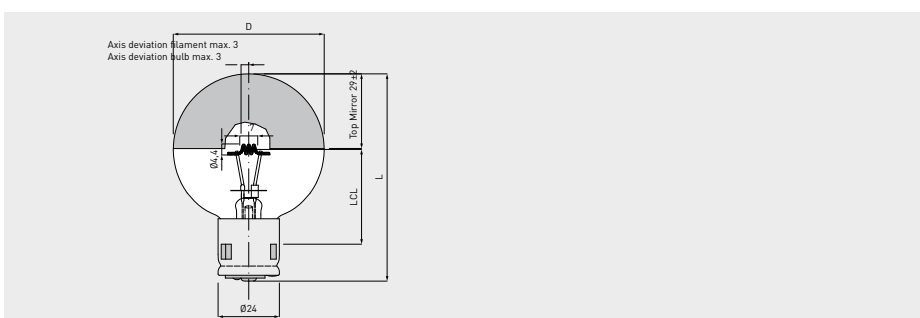
- precision of manufacture, minimum tolerances in the positioning of the filaments
- low-voltage and high-voltage lamps
- available with mirrored heads, mirrored sides or transparent

Specific benefits:

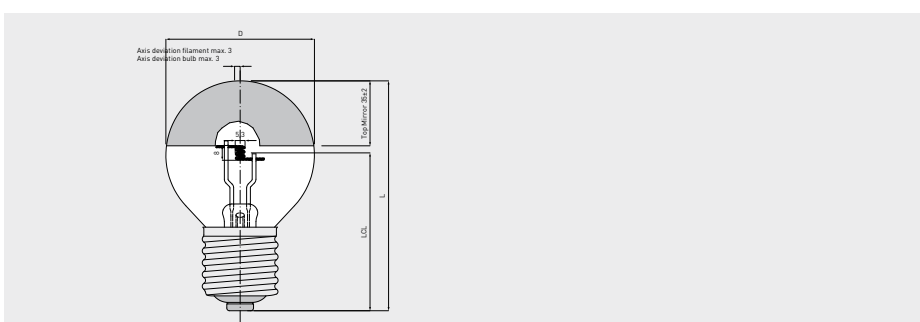
- the highly precise filament position guarantees, in combination with the lamp, optimum light concentration
- very high luminous flux

Areas of use:

- photography
- studio
- stage
- planetariums



Article no.	Description	V	W	Amperage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length LCL mm	Luminous flux lm	Average life h	Individual life h	Burning position	PU
R0832029	24V 200W B24s-3 60x86.5 kv	24	200		B24s-3	61	86.5	38	3,800	100		S135	

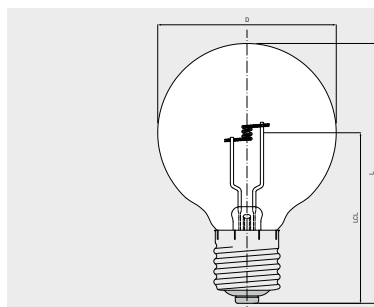


Article no.	Description	V	W	Amperage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length LCL mm	Luminous flux lm	Average life h	Individual life h	Burning position	PU
77935198	24V 250W E40 with 80 mm bulb	24	250		E40/45	81	129	85	5,500	50		S135	
00835198	24V 250W E40 with 70mm bulb	24	250		E40/45	71	125	85	5,500	50		S135	

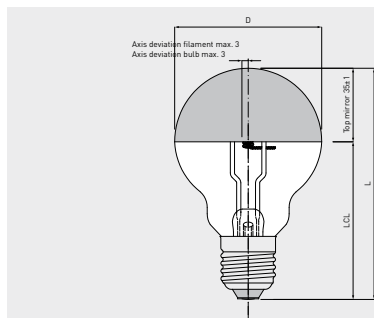
Projection lamps

For studio and stage projectors

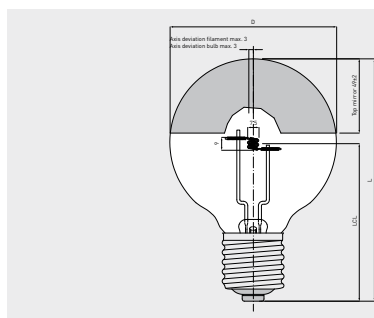
For special features, specific benefits and areas of use see page 132



Article no.	Description	V	W	Am-perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length LCL mm	Luminous flux lm	Average life h	Individual life h	Burning position	PU
77945198	24V 250W E40 with 80mm bulb clear	24	250		E40	81	128	85	5,500	50		S135	
00843430	24V 500W E40 110x168 clear	24	500		E40/45	111	165	105	13,000	100		S135	



Article no.	Description	V	W	Am-perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length LCL mm	Luminous flux lm	Average life h	Individual life h	Burning position	PU
00833361	24V 250W E27	24	250		E27	71	115	75	5,500	50		S135	

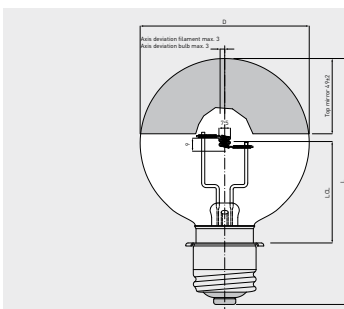


Article no.	Description	V	W	Am-perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length LCL mm	Luminous flux lm	Average life h	Individual life h	Burning position	PU
00835255	24V 500W E40	24	500		E40/45	111	168	108	10,000	50		S135	

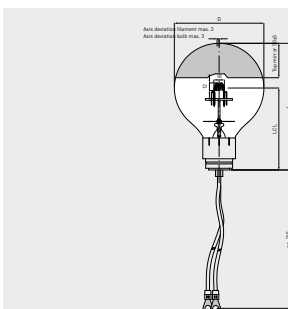
Projection lamps

For studio and stage projectors

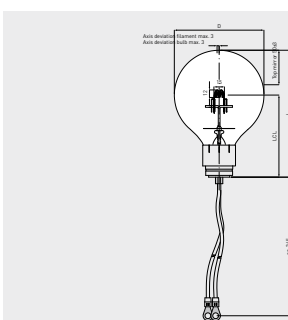
For special features, specific benefits and areas of use see page 132



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length LCL mm	Luminous flux lm	Average life h	Individual life h	Burning position	PU
00835285	24V 500W P40s kv	24	500		P40s/41	111	167	67	10,000	50		S135	



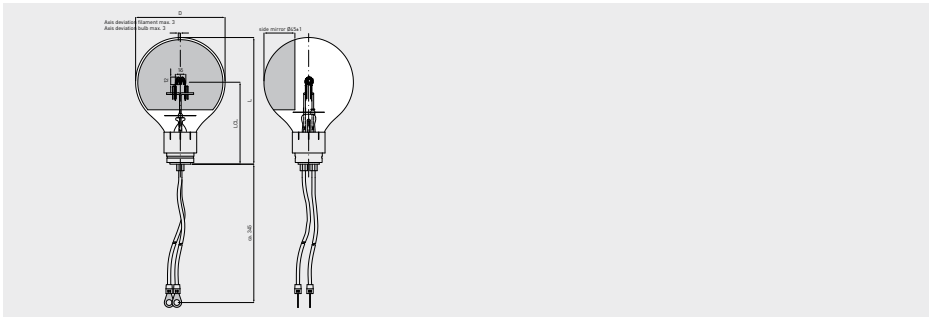
Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length LCL mm	Luminous flux lm	Average life h	Individual life h	Burning position	PU
00835254	24V 1,000W K39D kv	24	1,000		K39D	131	189	119	17,500	100		S135	



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length LCL mm	Luminous flux lm	Average life h	Individual life h	Burning position	PU
00845254	24V 1,000W K39D clear	24	1,000		K39D	131	189	119	17,500	100		S135	

Projection lamps
For studio and stage projectors

For special features, specific benefits and areas of use see page 132



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length LCL mm	Luminous flux lm	Average life h	Individual life h	Burning position	PU
00835257	24V 1,000W K39D SM	24	1,000		K39D	131	189	119	17,500	100		S135	



Signal lamps

Medical lamps

Studio and stage lamps

Domestic lamps

Other special lamps

Projection lamps

For studio and stage projectors

Special features:

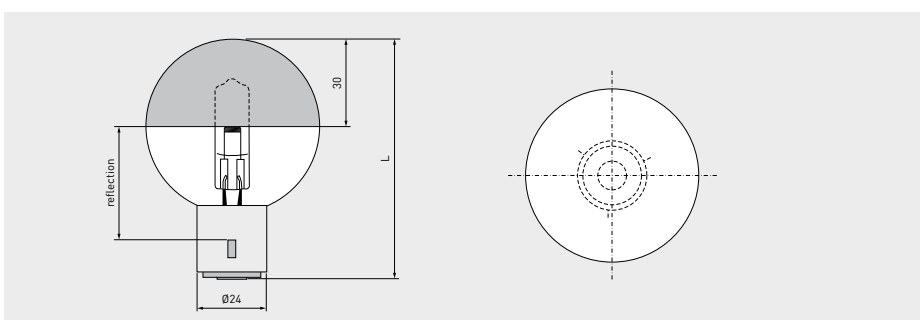
- halogen lamps as an alternative to the conventional version
- low power consumption
- classified as energy efficiency class B

Specific benefits:

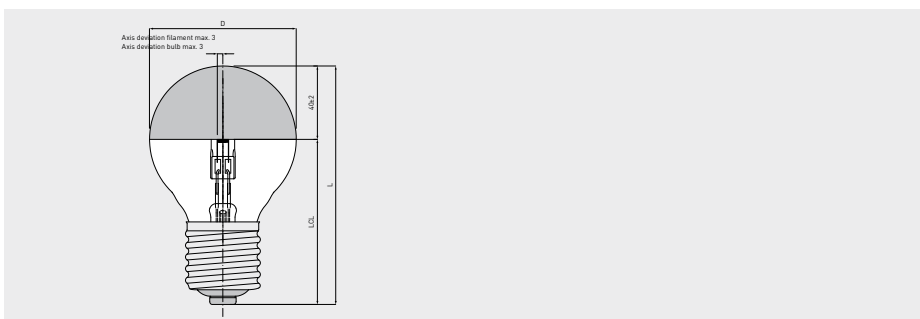
- longer life
- virtually no reduction of lumen
- energy-saving

Areas of use:

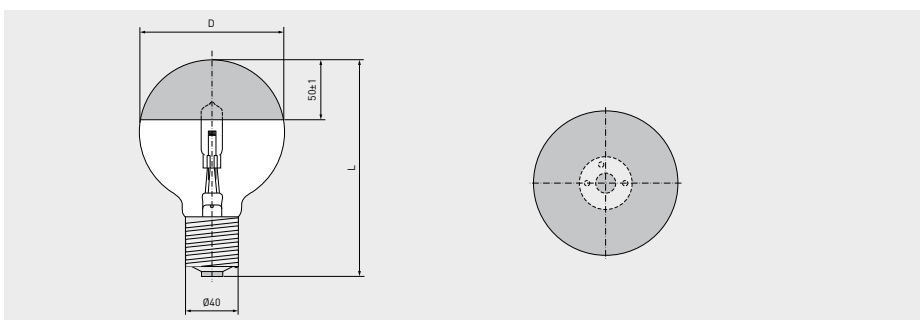
- studio
- stage



Article no.	Description	V	W	Amperage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length LCL mm	Luminous flux lm	Average life h	Individual life h	Burning position	PU
00937082	24V 100W B24s-3 Halogen w. enveloping bulb	24	100		B24s-3	61	85		2,900	300		S135	



Article no.	Description	V	W	Amperage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length LCL mm	Luminous flux lm	Average life h	Individual life h	Burning position	PU
00937083	24V 150W E40 Halogen w. enveloping bulb	24	150		E40/45	81	131	90	4,500	250		S135	



Article no.	Description	V	W	Amperage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length LCL mm	Luminous flux lm	Average life h	Individual life h	Burning position	PU
00937085	24V 250W E40 Halogen w. enveloping bulb	24	250		E40/45	111	167		9,000	300		S135	

Projection lamps

For studio and stage projectors

Special features:

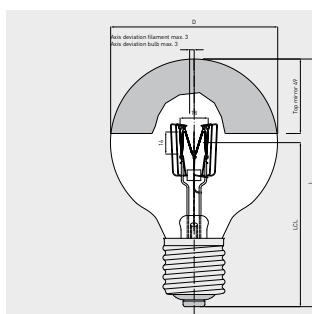
- precision of manufacture, minimum tolerances in the positioning of the filaments
- low-voltage and high-voltage lamps
- available with mirrored heads, mirrored sides or transparent

Specific benefits:

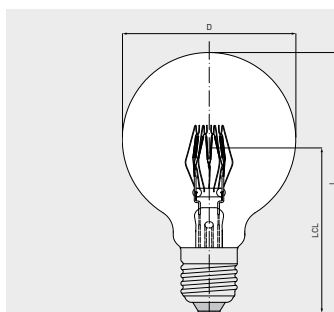
- the high-precision filament position in combination with the light ensures optimum power concentration
- very high luminous flux

Areas of use:

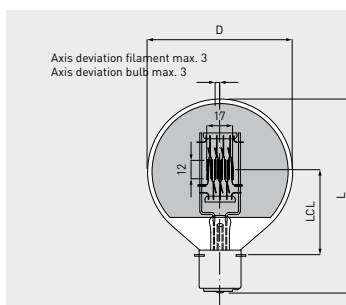
- photography
- studio
- stage
- planetariums



Article no.	Description	V	W	Amperage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length LCL mm	Luminous flux lm	Average life h	Individual life h	Burning position	PU
R0835281	220V 500W E40/45 110x168 kv	220	500		E40/45	111	168	108	8,400	200		S135	



Article no.	Description	V	W	Amperage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length LCL mm	Luminous flux lm	Average life h	Individual life h	Burning position	PU
00844067	230V 250W E27	230	250		E27	81	125	76	3,200	500		S135	

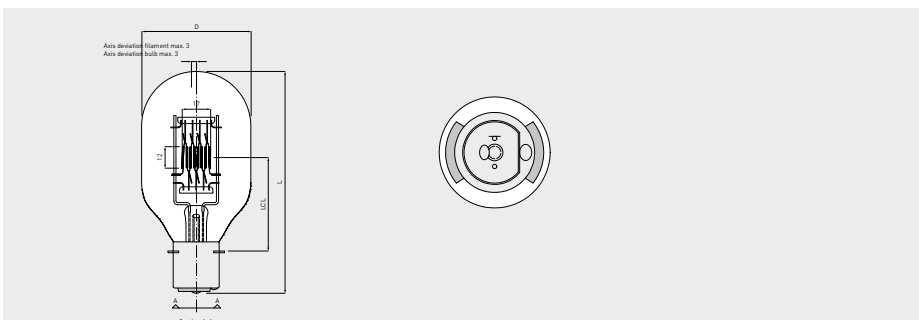


Article no.	Description	V	W	Amperage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length LCL mm	Luminous flux lm	Average life h	Individual life h	Burning position	PU
R0835279	230V 500W P28s G95/137SV	230	500		P28s	95	130	55.6	10,800	100		S135	

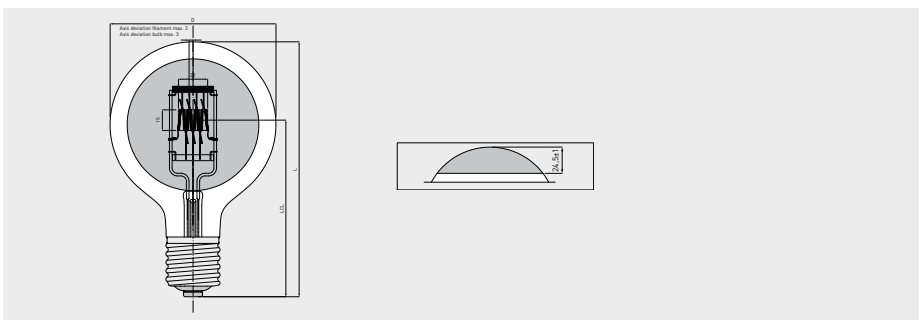
Projection lamps

For studio and stage projectors

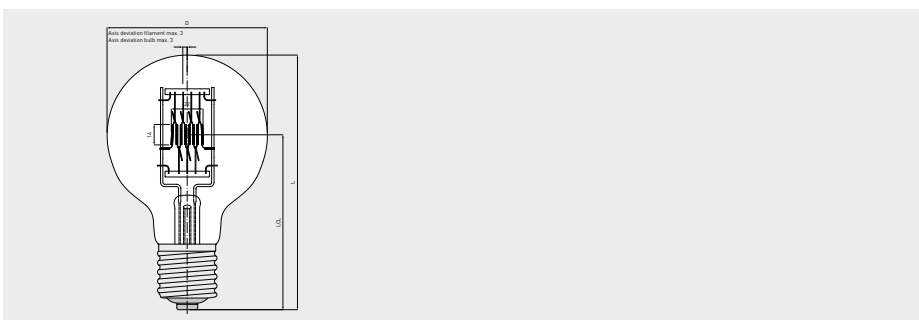
For special features, specific benefits and areas of use see page 137



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length LCL mm	Luminous flux lm	Average life h	Individual life h	Burning position	PU
R0835278	230V 500W P28s T65x136 clear	230	500		P28s	66	136	55.6	10,800	100		S45	



Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length LCL mm	Luminous flux lm	Average life h	Individual life h	Burning position	PU
R0835282	230V 1,000W E40 125x193 SM	230	1,000		E40/45	126	193	133	22,000	100		S45	

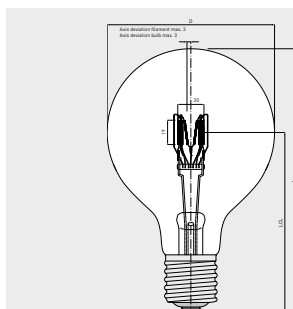


Article no.	Description	V	W	Am- perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length LCL mm	Luminous flux lm	Average life h	Individual life h	Burning position	PU
R0843415	230V 1,000W E40/45 110x180clear	230	1,000		E40	111	180	120	23,000	100		S45	

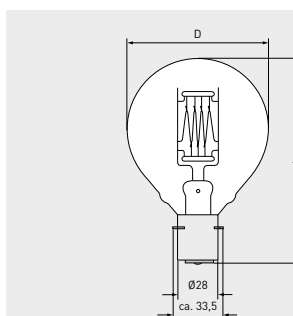
Projection lamps

For studio and stage projectors

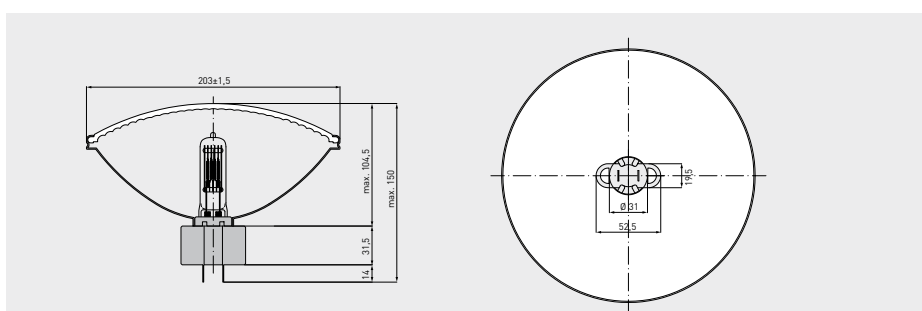
For special features, specific benefits and areas of use see page 137



Article no.	Description	V	W	Am-perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length LCL mm	Luminous f ux lm	Average life h	Individual life h	Burning position	PU
00843400	230V 1,000W E40 clear 130x211 clear	230	1,000		E40/45	131	211	140	18,000	500		S135	



Article no.	Description	V	W	Am-perage	Socket	Bulb diameter D max. mm	Total length L max. mm	Light centre length LCL mm	Luminous f ux lm	Average life h	Individual life h	Burning position	PU
70945200	240V 500W P28s	240	500		P28s/33	96.5	137	55.6	9,900	200			



Article no.	Description	LIF Code	V	W	Am-perage	Socket	Diameter mm	Total length max. mm	Luminous f ux cd	Average life h	Individual life h	Burning position	PU
00847886	PAR64 Alu VNSP	CP / 86	230	500		GX16d	203	150	245,000	300			
00847887	PAR64 Alu NSP	CP / 87	230	500		GX16d	203	150	145,000	300			
00877888	PAR64 Alu MFL	CP / 88	230	500		GX16d	203	150	700,000	300			
00847860	PAR64 Alu VNSP	CP / 60	230	1,000		GX16d	203	150	355,000	300			
00847861	PAR64 Alu NSP	CP / 61	230	1,000		GX16d	203	150	302,000	300			
00847862	PAR64 Alu MFL	CP / 62	230	1,000		GX16d	203	150	143,000	300			
00847960	PAR64 Alu VNSP		230	1,000		GX16d	203	150	320,000	800			
00847961	PAR64 Alu NSP		230	1,000		GX16d	203	150	270,000	800			
00847962	PAR64 Alu MFL		230	1,000		GX16d	203	150	115,000	800			