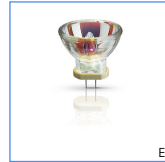
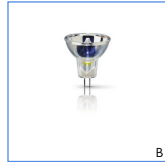
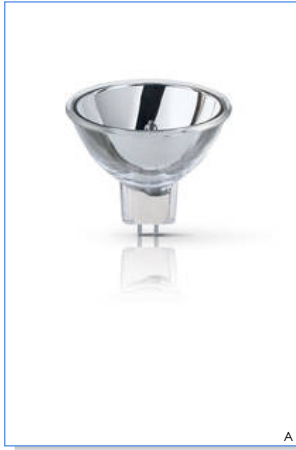


## Optical &amp; medical equipment

## Halogen reflector



## Halogen reflector lamps – proven reliability

Philips' halogen reflector lamps offer the ideal no-fuss solution for a wide variety of medical, projection and scientific illumination systems. Their proven reliability makes them ideal for retrofit installations. The burners are precisely aligned for optimal light performance. Dichroic reflectors ensure heat dissipation towards the back of the optical system, which helps the optical system remain within temperature limits. A special blue-filter version blocking out unwanted light above 700 nm is available for dental curing applications. In addition, you get all the proven advantages of halogen technology such as a CRI of 100 – the same as natural sunlight for the best possible color rendering. Halogen lamps also create a comfortable warm white light, and they maintain their high lumen output with almost no lumen reduction throughout their lifetime.

## Product Benefits

- Optimal light performance
- Remains within temperature limits
- No re-alignment necessary when lamp is replaced

## Product Features

- Excellent distortion-free quartz bulb
- Dichroic coating ensures dissipation of approximately 75% of the generated heat backwards

## Application

- Medical endoscopy
- Industrial endoscopy
- Fiber optic illumination
- Dental curing
- Projection systems
- Microfiche
- Spectrography

Type	Wattage (W)	Voltage	Packing type	Packing configuration	Bulb Temperature (°C [max.])	Pinch Temperature (°C [max.])	Operating Position	Operating Position	Dim. no.	Photo letter	Ordering number 871 1500...
13529	9	6V	ICT	10X5F	900	400	s105	s105	1	B	40991160
13528	15	6V	ICT	10X5F	900	350	s105	s105	1	B	40978260
13122	25	13.8V	ICT	10X5F	900	400	s105	s105	1	B	41031360
13711	25	13.8V	ICT	10X5F	900	400	s105	s105	1	B	40995960
13155	30	13.8V	ICT	10X5F	900	350	s105	s105	5	A	41030660
13165	35	14V	ICT	10X5F	900	400	any	any	2	B	40976860
13861 FO	42	12V	ICT	10X5F	900	350	s90	s90	15	C	41085660
13125	50	13.8V	ICT	10X5F	900	350	s105	s105	16	D	41024560
13189	50	13.8V	ICT	10X5F	900	350	s105	s105	5	A	40977560
13289	50	13.8V	ICT	10X5F	900	350	any	any	6	A	41033760
13938XHP	50	22.8V	ICT	10X5F	900	350	any	any	5	A	43888160
6847 FO	50	8V	ICT	10X5F	900	400	s115	s115	7	C	40992860
13298	52	10V	ICT	10X5F	900	400	s105	s105	3	B	41021460
13865	75	12V	ICT	10X5F	900	400	s105	s105	17	E	41071960
14515 FO	75	12V	ICT	10X5F	900	350	s90	s90	7	A	41099360
6853	75	12V	ICT	10X5F	900	500	s105	s105	7	C	42729860
14552	75	12V	ICT	10X5F	900	350	s105	s105	4	B	41244760
6853 FO	75	12V	ICT	10X5F	900	400	s115	s115	7	C	40974460
13160	80	21V	ICT	24	900	350	s90	s90	8	F	41059730
13194	85	13.8V	ICT	10X5F	900	350	s105	s105	5	A	40972060
13186	90	14.5V	ICT	10X5F	900	350	s105	s105	5	A	40980560
6834	100	12V	ICT	10X5F	900	400	s90	s90	7	C	42731160
6834/25H FO	100	12V	ICT	10X5F	900	350	any	any	15	C	40442860
6834FO	100	12V	ICT	10X5F	900	400	s115	s115	7	C	40973760
	150	15V	ICT	24	900	350	s90	s90	9	C	41329130
5995	150	21V	ICT	24	900	400	s90	s90	10	A	41063430
6423	150	15V	ICT	10X5F	900	400	s105	s105	7	C	42733560
13117	150	17V	ICT	10X5F	900	350	any	any	11	A	40993560
13158	150	21V	ICT	24	900	400	s90	s90	10	G	41060330
13629	150	21V	ICT	24	900	400	s90	s90	10	A	41073330
14501	150	20V	ICT	24	900	350	s105	s105	10	F	41061030
14527	150	21V	ICT	24	900	400	s90	s90	12	A	41256030
6423FO	150	15V	ICT	10X5F	900	400	s115	s115	7	C	40971360
6423XHP FO	150	15V	ICT	10X5F	900	400	s90	s90	7	C	41182260

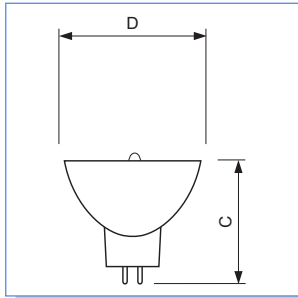
More data see next page

Optical & medical equipment  
Halogen reflector

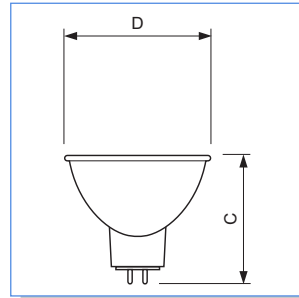
(continued)

Type	Wattage (W)	Voltage	Packing type	Packing configuration	Bulb Temperature (°C [max.])	Pinch Temperature (°C [max.])	Operating Position	Operating Position	Dim. no.	Photo letter	Ordering number 8711500...
I3164	200	24V	ICT	24	900	400	s90	s90	10	A	<b>41058030</b>
I3095	250	120V	ICT	24	900	350	s90	s90	10	H	<b>41062730</b>
I3163	250	24V	ICT	10X5F	900	400	s105	s105	5	A	<b>40975160</b>
I3631	250	24V	ICT	24	900	400	s90	s90	10	F	<b>41075730</b>
I3830	250	82V	ICT	24	900	400	s90	s90	10	H	<b>41066530</b>
I3096	300	120V	ICT	24	900	350	s90	s90	13	H	<b>41057330</b>
I4502	300	82V	ICT	24	900	400	s90	s90	14	F	<b>41070230</b>

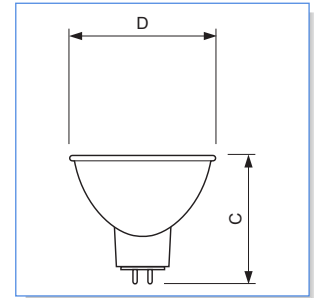
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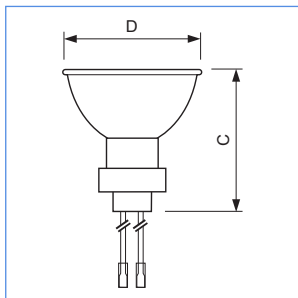
Dim. no.	C max.	D max.
1	40	35
2	42	35
3	37	35
4	41	25



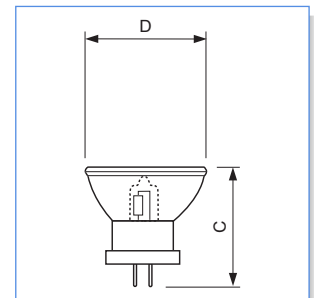
Dim. no.	C max.	D max.
5	45.00	50.00
6	46.00	50.00
7	42.00	50.00
8	44.45	50.00
9	43.00	49.70
10	44.45	50.67
11	47.00	50.00
12	44.50	50.70
13	44.45	50.70
14	44.45	42.03



Dim. no.	C max.	D max.
15	42	50



Dim. no.	C max.	D max.
16	50	50



Dim. no.	C max.	D max.
17	37	25

**Additional technical data**

Product name	Luminous Flux Lamp (lm)	Reflector Finish	Bulb	Bulb Material
I3194 85W GX5.3 I3.8V	-	Smooth	R50	Quartz-UV Open
I3158 150W GX5.3 21V	320	Stippled	R50	Quartz-UV Open
I4501 150W GX5.3 20V	400	Facetted	R50	Quartz-UV Open
I4527 150W GX5.3 21V	-	Coated Specular Dichroic	R50	Quartz-UV Open
6423XHP FO 150W GZ6.35 15V	-	-	R50	Quartz-UV Open
6423FO 150W GZ6.35 15V	-	-	R50	Quartz-UV Open
JCR 15V 150W 5H	-	Smooth	MR16	Quartz-UV Open
6847 FO 50W GZ6.35 8V	-	-	R50	Quartz-UV Open
I3189 50W GX5.3 I3.8V	-	Smooth	R50	Quartz-UV Open
I3125 50W Special I3.8V	-	Smooth	R50	Quartz-UV Open
I3165 35W GZ4 14V	-	Smooth Dichroic	R35	Quartz-UV Open
I4515 FO 75W GX5.3 12V	-	-	R50	Quartz-UV Open
I4552 75W GZ4 12V	-	Smooth Dichroic	R35	Quartz-UV Open
6853 FO 75W GZ6.35 12V	-	-	R50	Quartz-UV Open
I3865 75W G5.3/4.8 12V	-	Smooth Dichroic	R35	Quartz-UV Open
6834FO 100W GZ6.35 12V	-	-	R50	Quartz-UV Open
I3122 25W GZ4 13.8V	-	Smooth	R35	Quartz-UV Open
I3711 25W GZ4 13.8V	-	Smooth	R35	Quartz-UV Open
I3186 90W GX5.3 14.5V	-	Smooth	R50	Quartz-UV Open
I3155 30W GX5.3 I3.8V	-	Smooth	R50	Quartz-UV Open
I3528 15W GZ4 6V	-	Smooth	R35	Quartz-UV Open

More data see next page

## Optical &amp; medical equipment

## Halogen reflector

## Additional technical data (continued)

Product name	Luminous Flux Lamp (lm)	Reflector Finish	Bulb	Bulb Material
I3160 80W GX5.3 21V	-	Facetted	R50	Quartz-UV Open
I3298 52W GZ4 10V	-	Smooth Dichroic	R35	Quartz-UV Open
I3529 9W GZ4 6V	-	Smooth	R35	Quartz-UV Open
I3861 FO 42W GZ6.35 12V	-	-	R50	Quartz-UV Open
I3289 50W GX5.3 13.8V	-	Smooth	R50	Quartz-UV Open
I3938XHP 50W GX5.3 22.8V	380	Smooth	R50	Quartz-UV Open
6853 75W GZ6.35 12V	-	Smooth	R50	Quartz-UV Open
6834/25H FO 100W GZ6.35 12V	-	-	R50	Quartz-UV Open
6834 100W GZ6.35 12V	-	Smooth	R50	Quartz-UV Open
I3117 150W GX5.3 17V	-	Smooth	R50	Quartz-UV Open
I3629 150W GX5.3 21V	900	Smooth	-	Quartz-UV Open
5995 EJM 150W GX5.3 21V	1200	Smooth	-	Quartz-UV Open
6423 150W GZ6.35 15V	340	Smooth	R50	Quartz-UV Open
I3164 200W GX5.3 24V	1100	Smooth	-	Quartz-UV Open
I3095 250W GY5.3 120V	800	Facetted	-	Quartz-UV Open
I3163 250W GX5.3 24V	850	Smooth	R50	Quartz-UV Open
I3631 250W GX5.3 24V	1500	Facetted	-	Quartz-UV Open
I3830 250W GY5.3 82V	-	Facetted	-	Quartz-UV Open
I3096 ELH 300W GY5.3 120V	850	Facetted	-	Quartz-UV Open
I4502 300W GX5.3 82V	1100	Facetted	-	Quartz-UV Open

Product name	Color Rendering Index (R <sub>a</sub> )	Luminous Intensity (cd [max.])	Lamp Current (A)	Life to 50% failures (h)	Philips Code	Main Application	Dimmable	Working Distance WD (mm)
I3194 85W GX5.3 13.8V	100	-	-	1000	I3194	Projection	yes	165.0
I3158 150W GX5.3 21V	100	-	-	40	I3158	Projection	yes	165.0
I4501 150W GX5.3 20V	100	-	-	500	I4501	Projection	yes	165.0
I4527 150W GX5.3 21V	100	-	-	20	I4527	Projection	yes	28.0
6423XHP FO 150W GZ6.35 15V	100	-	-	50	6423XHP FO	Projection	yes	32.0
6423FO 150W GZ6.35 15V	100	-	-	50	6423FO	Projection	yes	32.0
JCR 15V 150W 5H	100	-	-	-	-	Fiber optic illumination	yes	36.0
6847 FO 50W GZ6.35 8V	100	-	-	50	6847 FO	Projection	yes	32.0
I3189 50W GX5.3 13.8V	100	-	-	1000	I3189	Projection	yes	108.0
I3125 50W Special 13.8V	100	-	-	1000	I3125	Projection	yes	108.0
I3165 35W GZ4 14V	100	-	-	50	I3165	Dental Hardening	yes	21.0
I4515 FO 75W GX5.3 12V	100	-	-	4000	I4515 FO	Projection	yes	30.0
I4552 75W GZ4 12V	10	-	-	50	I4552	Dental Hardening	yes	26.0
6853 FO 75W GZ6.35 12V	100	-	-	50	6853 FO	Projection	yes	32.0
I3865 75W G5.3/4.8 12V	100	-	-	50	I3865	Dental Hardening	yes	26.0
6834FO 100W GZ6.35 12V	100	-	-	50	6834FO	Projection	yes	32.0
I3122 25W GZ4 13.8V	100	-	-	250	I3122	Projection	yes	95.0
I3711 25W GZ4 13.8V	100	-	-	250	I3711	Projection	yes	155.0
I3186 90W GX5.3 14.5V	100	-	-	500	I3186	Projection	yes	155.0
I3155 30W GX5.3 13.8V	100	-	-	500	I3155	Projection	yes	108.0
I3528 15W GZ4 6V	100	-	-	750	I3528	Projection	yes	92.0
I3160 80W GX5.3 21V	100	-	-	500	I3160	Projection	yes	165.0
I3298 52W GZ4 10V	100	-	-	25	I3298	Dental Hardening	yes	26.0
I3529 9W GZ4 6V	100	-	-	250	I3529	Projection	yes	108.0
I3861 FO 42W GZ6.35 12V	100	-	3.50	4000	I3861 FO	Projection	yes	30.0
I3289 50W GX5.3 13.8V	100	-	-	1000	I3289	Projection	yes	53.0
I3938XHP 50W GX5.3 22.8V	100	-	-	750	I3938XHP	Projection	yes	-
6853 75W GZ6.35 12V	100	-	-	50	6853	Projection	yes	32.0
6834/25H FO 100W GZ6.35 12V	100	420	8.33	2500	6834/25H FO	Projection	no	32.0
6834 100W GZ6.35 12V	100	-	-	50	6834	Projection	yes	32.0
I3117 150W GX5.3 17V	100	-	-	1000	I3117	Projection	yes	-
I3629 150W GX5.3 21V	100	-	-	200	I3629	Projection	yes	45.0
5995 EJM 150W GX5.3 21V	100	-	-	40	5995	Projection	yes	38.0
6423 150W GZ6.35 15V	100	-	-	50	6423	Projection	yes	32.0
I3164 200W GX5.3 24V	100	-	-	50	I3164	Projection	yes	32.0
I3095 250W GY5.3 120V	100	-	-	175	I3095	Projection	yes	152.4
I3163 250W GX5.3 24V	100	-	-	35	I3163	Projection	yes	32.0
I3631 250W GX5.3 24V	100	-	-	50	I3631	Projection	yes	32.0
I3830 250W GY5.3 82V	100	-	-	50	I3830	Projection	yes	300.0
I3096 ELH 300W GY5.3 120V	100	-	-	35	I3096	Projection	yes	152.4
I4502 300W GX5.3 82V	100	-	-	35	I4502	Projection	yes	152.0

## Logistic data

Product name	Packing type	Packing type description	Packs per outer box	Packing configuration
I3194 85W GX5.3 13.8V	ICT	1 Carton	50	10X5F
I3158 150W GX5.3 21V	ICT	1 Carton	24	24

More data see next page

## Optical &amp; medical equipment

## Halogen reflector

## Logistic data (continued)

Product name	Packing type	Packing type description	Packs per outer box	Packing configuration
I4501 150W GX5.3 20V	ICT	I Carton	24	24
I4527 150W GX5.3 21V	ICT	I Carton	24	24
6423XHP FO 150W GZ6.35 15V	ICT	I Carton	50	10X5F
6423FO 150W GZ6.35 15V	ICT	I Carton	50	10X5F
JCR 15V 150W 5H	ICT	I Carton	24	24
6847 FO 50W GZ6.35 8V	ICT	I Carton	50	10X5F
I3189 50W GX5.3 13.8V	ICT	I Carton	50	10X5F
I3125 50W Special 13.8V	ICT	I Carton	50	10X5F
I3165 35W GZ4 14V	ICT	I Carton	50	10X5F
I4515 FO 75W GX5.3 12V	ICT	I Carton	50	10X5F
I4552 75W GZ4 12V	ICT	I Carton	50	10X5F
6853 FO 75W GZ6.35 12V	ICT	I Carton	50	10X5F
I3865 75W G5.3/4.8 12V	ICT	I Carton	50	10X5F
6834FO 100W GZ6.35 12V	ICT	I Carton	50	10X5F
I3122 25W GZ4 13.8V	ICT	I Carton	50	10X5F
I3711 25W GZ4 13.8V	ICT	I Carton	50	10X5F
I3186 90W GX5.3 14.5V	ICT	I Carton	50	10X5F
I3155 30W GX5.3 13.8V	ICT	I Carton	50	10X5F
I3528 15W GZ4 6V	ICT	I Carton	50	10X5F
I3160 80W GX5.3 21V	ICT	I Carton	24	24
I3298 52W GZ4 10V	ICT	I Carton	50	10X5F
I3529 9W GZ4 6V	ICT	I Carton	50	10X5F
I3861 FO 42W GZ6.35 12V	ICT	I Carton	50	10X5F
I3289 50W GX5.3 13.8V	ICT	I Carton	50	10X5F
I3938XHP 50W GX5.3 22.8V	ICT	I Carton	50	10X5F
6853 75W GZ6.35 12V	ICT	I Carton	50	10X5F
6834/25H FO 100W GZ6.35 12V	ICT	I Carton	50	10X5F
6834 100W GZ6.35 12V	ICT	I Carton	50	10X5F
I3117 150W GX5.3 17V	ICT	I Carton	50	10X5F
I3629 150W GX5.3 21V	ICT	I Carton	24	24
5995 EJM 150W GX5.3 21V	ICT	I Carton	24	24
6423 150W GZ6.35 15V	ICT	I Carton	50	10X5F
I3164 200W GX5.3 24V	ICT	I Carton	24	24
I3095 250W GY5.3 120V	ICT	I Carton	24	24
I3163 250W GX5.3 24V	ICT	I Carton	50	10X5F
I3631 250W GX5.3 24V	ICT	I Carton	24	24
I3830 250W GY5.3 82V	ICT	I Carton	24	24
I3096 ELH 300W GY5.3 120V	ICT	I Carton	24	24
I4502 300W GX5.3 82V	ICT	I Carton	24	24

Product name	Quantity per pack	Packing length (mm)	Packing width (mm)	Packing height (mm)	Gross weight per piece (g)	Net weight per piece (g)
I3194 85W GX5.3 13.8V	I	306	241	105	35.72	26.3
I3158 150W GX5.3 21V	I	343	115	120	39.00	23.0
I4501 150W GX5.3 20V	I	343	115	120	41.00	26.0
I4527 150W GX5.3 21V	I	343	115	120	40.00	24.0
6423XHP FO 150W GZ6.35 15V	I	306	241	105	33.00	24.0
6423FO 150W GZ6.35 15V	I	306	241	105	33.00	24.0
JCR 15V 150W 5H	I	343	115	120	40.00	25.0
6847 FO 50W GZ6.35 8V	I	306	241	105	32.22	23.3
I3189 50W GX5.3 13.8V	I	306	241	105	35.00	26.0
I3125 50W Special 13.8V	I	289	284	145	54.00	41.5
I3165 35W GZ4 14V	I	216	216	125	32.00	23600.0
I4515 FO 75W GX5.3 12V	I	306	241	105	31.00	25.0
I4552 75W GZ4 12V	I	216	216	125	17.90	12.2
6853 FO 75W GZ6.35 12V	I	306	241	105	32.00	23300.0
I3865 75W G5.3/4.8 12V	I	216	216	125	18.80	13.1
6834FO 100W GZ6.35 12V	I	306	241	105	29.30	23.3
I3122 25W GZ4 13.8V	I	216	216	125	22.30	14.3
I3711 25W GZ4 13.8V	I	216	216	125	22.30	14.3
I3186 90W GX5.3 14.5V	I	306	241	105	36.00	26.3
I3155 30W GX5.3 13.8V	I	306	241	105	36.00	27100.0
I3528 15W GZ4 6V	I	216	216	125	23.00	15.0
I3160 80W GX5.3 21V	I	343	115	120	41.38	25.0
I3298 52W GZ4 10V	I	216	216	125	17.90	12.2
I3529 9W GZ4 6V	I	216	216	125	30.00	22.0
I3861 FO 42W GZ6.35 12V	I	306	241	105	31.00	25.0
I3289 50W GX5.3 13.8V	I	303	106	247	35.00	26.0
I3938XHP 50W GX5.3 22.8V	I	306	241	105	32.70	26.7
6853 75W GZ6.35 12V	I	306	241	105	33.00	24000.0
6834/25H FO 100W GZ6.35 12V	I	306	241	105	32.00	23.0
6834 100W GZ6.35 12V	I	303	106	247	33.00	24.0
I3117 150W GX5.3 17V	I	306	241	105	35.00	26300.0

More data see next page

## Optical &amp; medical equipment

## Halogen reflector

Product name	Quantity per pack	Packing length (mm)	Packing width (mm)	Packing height (mm)	Gross weight per piece (g)	Net weight per piece (g)
I3629 150W GX5.3 21V	1	343	115	120	40.00	25.0
5995 EJM 150W GX5.3 21V	1	343	115	120	40.00	25.0
6423 150W GZ6.35 15V	1	306	241	105	32.00	23200.0
I3164 200W GX5.3 24V	1	343	115	120	40.00	25.0
I3095 250W GY5.3 120V	1	343	115	120	42.00	26.0
I3163 250W GX5.3 24V	1	306	241	105	32.00	24.0
I3631 250W GX5.3 24V	1	343	115	120	41.00	26.0
I3830 250W GY5.3 82V	1	343	115	120	42.38	27.0
I3096 ELH 300W GY5.3 120V	1	343	115	120	41.00	26.0
I4502 300W GX5.3 82V	1	343	115	120	36.38	21.0

## Additional extended technical data

Product name	ANSI Code	LIF Code	Curing Power Area 400-500nm (mW/cm <sup>2</sup> )	Cap-Base Information
I3194 85W GX5.3 13.8V	DED	-	-	-
I3158 150W GX5.3 21V	ELD/EJN	-	-	-
I4501 150W GX5.3 20V	DDL	-	-	-
I4527 150W GX5.3 21V	EJA	-	-	-
6423XHP FO 150W GZ6.35 15V	-	-	-	-
6423FO 150W GZ6.35 15V	-	-	-	-
JCR 15V 150W 5H	JCR	-	-	-
6847 FO 50W GZ6.35 8V	-	-	-	-
I3189 50W GX5.3 13.8V	EPZ/DJT	-	-	-
I3125 50W Special 13.8V	GJT	-	-	Cable 190mm
I3165 35W GZ4 14V	-	-	160	-
I4515 FO 75W GX5.3 12V	-	-	-	-
I4552 75W GZ4 12V	-	-	400	-
6853 FO 75W GZ6.35 12V	-	-	-	-
I3865 75W G5.3/4.8 12V	-	-	480	4.8
6834FO 100W GZ6.35 12V	-	-	-	-
I3122 25W GZ4 13.8V	FKZ	-	-	-
I3711 25W GZ4 13.8V	FLT	-	-	-
I3186 90W GX5.3 14.5V	EPX/EPV	-	-	-
I3155 30W GX5.3 13.8V	FJX	-	-	-
I3528 15W GZ4 6V	-	-	-	-
I3160 80W GX5.3 21V	DDS	-	-	-
I3298 52W GZ4 10V	-	-	330	-
I3529 9W GZ4 6V	-	-	-	-
I3861 FO 42W GZ6.35 12V	-	-	-	-
I3289 50W GX5.3 13.8V	-	-	-	-
I3938XHP 50W GX5.3 22.8V	-	-	-	-
6853 75W GZ6.35 12V	EFN	A1/230	-	-
6834/25H FO 100W GZ6.35 12V	EFP/25H	A1/231/25H	-	-
6834 100W GZ6.35 12V	EFP	A1/231	-	-
I3117 150W GX5.3 17V	-	-	-	-
I3629 150W GX5.3 21V	EKE	-	-	-
5995 EJM 150W GX5.3 21V	EJM	-	-	-
6423 150W GZ6.35 15V	EFR	A1/232	-	-
I3164 200W GX5.3 24V	EJL	A1/252	-	-
I3095 250W GY5.3 120V	-	-	-	-
I3163 250W GX5.3 24V	ELC	A1/259	-	-
I3631 250W GX5.3 24V	ELC/FA	A1/259	-	-
I3830 250W GY5.3 82V	EVW	-	-	-
I3096 ELH 300W GY5.3 120V	ELH	-	-	-
I4502 300W GX5.3 82V	EXR	-	-	-

## Burning position

