

Optical & medical equipment
Halogen non-reflector



Halogen non-reflector lamps – high-quality light and easy to use
Halogen non-reflector lamps offer high-quality light and are easy to install, replace and operate. All halogen non-reflector lamps incorporate a distortion-free quartz bulb and a precise positioning of the mounted filament. These ensure optimal beam performance and consistent, high light output. A wide range of wattages is available for a broad variety of applications, including projection systems. In addition you get all the proven advantages of halogen technology such as a full spectrum and a color rendering index (CRI) of 100 – the same as natural light and the best that it can be. Halogen lamps also create a comfortable warm white light, and they maintain their lumen output, with almost no reduction, throughout their lifetime.

Product Benefits

- Optimal beam performance
- 100% Color Rendering Index (CRI)
- Constant light output throughout lifetime

Product Features

- Distortion-free, quartz bulb and precisely defined filament position
- Lamp replacement without adjustment
- XHP version with xenon gas for maximum light output
- Flat filament available

Application

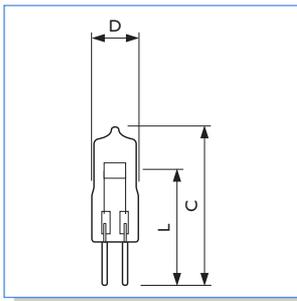
- Studio, film, theatre and disco lighting
- Slide, overhead, profile and 8/16 mm film projectors
- Microscopes
- Optical equipment
- Slide and film viewers
- Surgery lamps
- Microfilm readers

- Dental lamps
- Spectrography

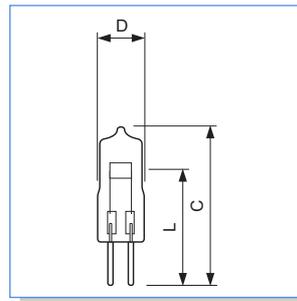
Type	Wattage (W)	Voltage	Packing type	Packing configuration		Bulb Temperature (°C [max.])	Pinch Temperature (°C [max.])	Operating Position	Operating Position		Photo letter	Ordering number 8711500...
6605	10	6V	ICT	10X10F	G4	900	350	any	any	1	B	41009250
7387	10	6V	ICT	10X10F	G4	900	400	any	any	1	B	41027650
7388	20	6V	ICT	10X10F	G4	900	400	any	any	1	B	40986750
12345SL	20	12V	ICT	10X10F	G4	900	400	any	any	3	B	44181250
14546	20	12V	ICT	10X10F	G4	900	350	any	any	2	B	41154950
5761	30	6V	ICT	10X10F	G4	900	400	any	any	1	B	41084950
6390	30	10.8V	ICT	10X10F	G5.3	900	400	s90	s90	4	C	41008550
7027	50	12V	ICT	10X10F	G6.35	900	400	s90	s90	6	A	40982950
12429	50	22.8V	ICT	10X10F	G6.35	900	350	s90	s90	7	D	42818950
6899	55	24V	ICT	10X10F	G6.35	900	350	any	any	6	A	41012250
14623	95	17V	ICT	10X10F	G6.35	900	350	s90	s90	8	A	42667350
14623	95	17V	UNP	500	G6.35	900	350	s90	s90	8	A	42617837
14623P	95	17V	ICT	10X10F	GZ9.5	900	350	s90	s90	14	E	42658150
6839C	100	12V	ICT	10X10F	PG22	900	400	s120	s120	15	F	41011550
7023	100	12V	ICT	10X10F	GY6.35	900	400	s90	s90	9	G	40981250
7724	100	12V	ICT	10X10F	GY6.35	900	350	s90	s90	9	G	40985050
7724I	100	12V	ICT	10X10F	GY6.35	900	350	s90	s90	9	G	41280550
13701	110	22.8V	ICT	10X10F	G6.35	900	350	s90	s90	10	D	42826450
5974	150	24V	ICT	10X10F	GZ9.5	900	400	s90	s90	14	E	41007850
6550	150	15V	ICT	10X10F	G6.35	900	400	s90	s90	6	A	40984350
7158	150	24V	ICT	10X10F	G6.35	900	400	s90	s90	8	A	40983650
7158XHP	150	24V	ICT	10X10F	G6.35	900	400	s90	s90	11	A	41020750
6958	250	24V	ICT	4X6F	G6.35	900	350	s90	s90	11	A	40989839
6958	250	24V	ICT	10X10F	G6.35	900	350	s90	s90	11	A	40989850
7748S	250	24V	ICT	10X10F	G6.35	900	400	s90	s90	11	A	40987450
7748XHP	250	24V	ICT	10X10F	G6.35	900	400	s90	s90	11	A	41029050
14530	300	24V	ICT	24	GY6.35	900	400	s90	s90	12	G	42461730
14531	360	82V	ICT	24	G5.3	900	400	s90	s90	5	C	42463130
7787	400	36V	ICT	3X8F	G6.35	900	400	s90	s90	13	A	18712338
7787LL	400	36V	ICT	3X8F	G6.35	900	350	s90	s90	13	A	50655938
7787XHP	400	36V	ICT	3X8F	G6.35	900	400	s90	s90	13	A	50458638

42206006

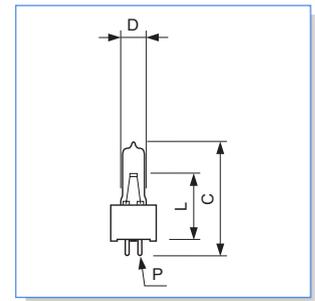
Optical & medical equipment
Halogen non-reflector



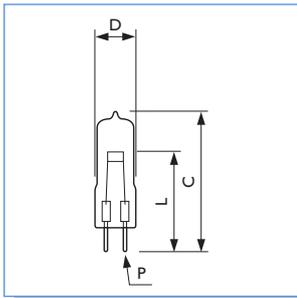
mm	C	D	L
	max.	max.	max.
1	31	9	19.75
2	32	9	19.75



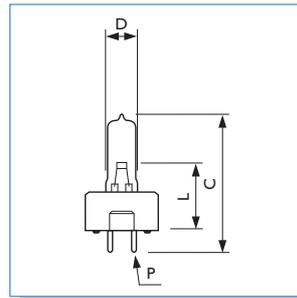
mm	C	D	L
	nom.	max.	nom.
3	30	9	19.5



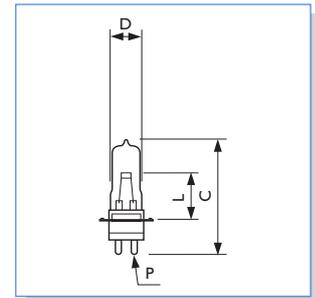
mm	D	L	P
	max.	nom.	nom.
4	9.0	27.0	1.5
5	11.5	31.8	1.5



mm	C	D	L	P
	nom.	max.	nom.	nom.
6		11.5	30	1.00
7	44	10.7	30	1.00
8		13.5	32	1.00
9		11.5	30	1.25
10	43	10.7	30	1.00
11		13.5	33	1.00
12		13.5	33	1.25
13		18.0	36	1.00



mm	D	L	P
	max.	nom.	nom.
14	13.5	33.3	3.17



mm	D	L	P
	max.	nom.	nom.
15	11.5	18	2.35

Additional technical data

Product name	Luminous Flux Lamp EM (lm)	Luminous Flux Lamp (lm)	Filament Shape	Bulb Material
7388 20W G4 6V	475	-	-	Quartz-UV Open
14546 20W G4 12V	350	-	-	Quartz-UV Open
12345SL 20W G4 12V	-	640	-	Quartz-UV Open
14531 360W G5.3 82V	-	10000	Flat	Quartz-UV Open
6605 10W G4 6V	150	-	-	Quartz-UV Open
7387 10W G4 6V	197	-	-	Quartz-UV Open
12429 50W G6.35 22.8V	-	1150	Round	Quartz-UV Open
5761 30W G4 6V	765	-	-	Quartz-UV Open
13701 110W G6.35 22.8V	-	2900	Round	Quartz-UV Open
6390 30W G5.3 10.8V	-	570	Flat	Quartz-UV Open
7027 50W G6.35 12V	-	1500	Flat	Quartz-UV Open
6899 55W G6.35 24V	-	1200	Flat	Quartz-UV Open
14623 95W G6.35 17V	-	2150	Flat	Quartz-UV Open
14623P 95W GZ9.5 17V	-	2150	Flat	Quartz-UV Open
6839C 100W PG22 12V	-	3210	Flat	Quartz-UV Open
7023 100W GY6.35 12V	-	3400	Flat	Quartz-UV Open
7724 100W GY6.35 12V	-	2550	Flat	Quartz-UV Open
7724I 100W GY6.35 12V	-	2550	Flat	Quartz-UV Open
5974 150W GZ9.5 24V	-	5000	Flat	Quartz-UV Open
6550 150W G6.35 15V	-	5000	Flat	Quartz-UV Open
7158 150W G6.35 24V	-	5200	Flat	Quartz-UV Open
7158XHP 150W G6.35 24V	-	6000	Flat	Quartz-UV Open
6958 250W G6.35 24V	-	8400	Flat	Quartz-UV Open
7748S 250W G6.35 24V	-	9400	Flat	Quartz-UV Open
7748XHP 250W G6.35 24V	-	10000	Flat	Quartz-UV Open
14530 300W GY6.35 24V	-	10450	Flat	Quartz-UV Open
7787 400W G6.35 36V	-	14790	Flat	Quartz-UV Open
7787LL 400W G6.35 36V	-	12200	Flat	Quartz-UV Open
7787XHP 400W GY6.35 36V	-	16000	Flat	Quartz-UV Open

Product name	Color Rendering Index (R _a)	Life to 50% failures (h)	Philips Code	Main Application
7388 20W G4 6V	100	100	7388	Projection
14546 20W G4 12V	100	2000	14546	Projection

More data see next page

Optical & medical equipment
Halogen non-reflector

Product name	Color Rendering Index (R _a)	Life to 50% failures (h)	Philips Code	Main Application
12345SL 20W G4 12V	100	100	12345SL	Projection
14531 360W G5.3 82V	100	75	14531	Projection
6605 10W G4 6V	100	2000	6605	Projection
7387 10W G4 6V	100	100	7387	Projection
12429 50W G6.35 22.8V	100	1300	12429	Projection
5761 30W G4 6V	100	100	5761	Projection
13701 110W G6.35 22.8V	100	700	13701	Projection
6390 30W G5.3 10.8V	100	1000	6390	Projection
7027 50W G6.35 12V	100	50	7027	Projection
6899 55W G6.35 24V	100	750	6899	Projection
14623 95W G6.35 17V	-	2000	14623	Projection
14623P 95W GZ9.5 17V	-	2000	14623P	Projection
6839C 100W PG22 12V	100	50	6839C	Projection
7023 100W GY6.35 12V	100	50	7023	Projection
7724 100W GY6.35 12V	100	2000	7724	Projection
7724I 100W GY6.35 12V	100	2000	7724I	Projection
5974 150W GZ9.5 24V	100	50	5974	Projection
6550 150W G6.35 15V	100	50	6550	Projection
7158 150W G6.35 24V	100	50	7158	Projection
7158XHP 150W G6.35 24V	100	40	7158XHP	Projection
6958 250W G6.35 24V	100	300	6958	Projection
7748S 250W G6.35 24V	100	50	7748S	Projection
7748XHP 250W G6.35 24V	100	50	7748XHP	Projection
14530 300W GY6.35 24V	100	50	14530	Projection
7787 400W G6.35 36V	100	100	7787	Projection
7787LL 400W G6.35 36V	100	300	7787LL	Projection
7787XHP 400W GY6.35 36V	100	50	7787XHP	Projection

Logistic data

Product name	Packing type	Packing type description	Packs per outer box	Packing configuration
7388 20W G4 6V	ICT	I Carton	100	10X10F
14546 20W G4 12V	ICT	I Carton	100	10X10F
12345SL 20W G4 12V	ICT	I Carton	100	10X10F
14531 360W G5.3 82V	ICT	I Carton	24	24
6605 10W G4 6V	ICT	I Carton	100	10X10F
7387 10W G4 6V	ICT	I Carton	100	10X10F
12429 50W G6.35 22.8V	ICT	I Carton	100	10X10F
5761 30W G4 6V	ICT	I Carton	100	10X10F
13701 110W G6.35 22.8V	ICT	I Carton	100	10X10F
6390 30W G5.3 10.8V	ICT	I Carton	100	10X10F
7027 50W G6.35 12V	ICT	I Carton	100	10X10F
6899 55W G6.35 24V	ICT	I Carton	100	10X10F
14623 95W G6.35 17V	ICT	I Carton	100	10X10F
14623 95W G6.35 17V	UNP	Unpacked	500	500
14623P 95W GZ9.5 17V	ICT	I Carton	100	10X10F
6839C 100W PG22 12V	ICT	I Carton	100	10X10F
7023 100W GY6.35 12V	ICT	I Carton	100	10X10F
7724 100W GY6.35 12V	ICT	I Carton	100	10X10F
7724I 100W GY6.35 12V	ICT	I Carton	100	10X10F
5974 150W GZ9.5 24V	ICT	I Carton	100	10X10F
6550 150W G6.35 15V	ICT	I Carton	100	10X10F
7158 150W G6.35 24V	ICT	I Carton	100	10X10F
7158XHP 150W G6.35 24V	ICT	I Carton	100	10X10F
6958 250W G6.35 24V	ICT	I Carton	100	10X10F
6958 250W G6.35 24V	ICT	I Carton	24	4X6F
7748S 250W G6.35 24V	ICT	I Carton	100	10X10F
7748XHP 250W G6.35 24V	ICT	I Carton	100	10X10F
14530 300W GY6.35 24V	ICT	I Carton	24	24
7787 400W G6.35 36V	ICT	I Carton	24	3X8F
7787LL 400W G6.35 36V	ICT	I Carton	24	3X8F
7787XHP 400W GY6.35 36V	ICT	I Carton	24	3X8F

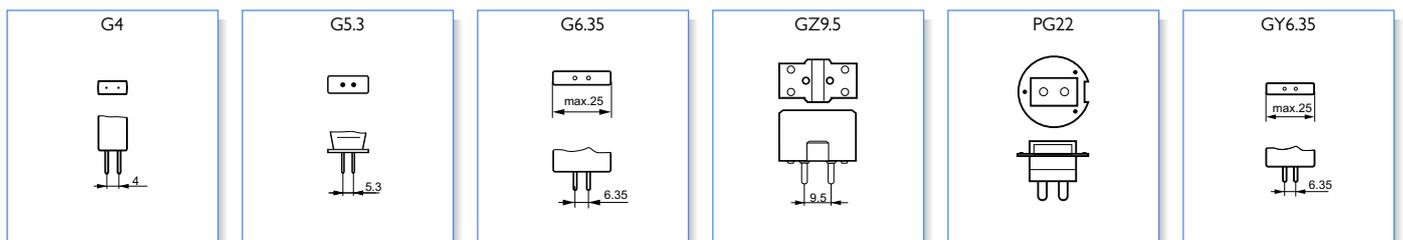
Product name	Quantity per pack	Packing length (mm)	Packing width (mm)	Packing height (mm)	Gross weight per piece (g)	Net weight per piece (g)
7388 20W G4 6V	I	271	271	82	6.00	1.0
14546 20W G4 12V	I	271	271	81	6.00	1.0
12345SL 20W G4 12V	I	271	271	81	6.00	1.0
14531 360W G5.3 82V	I	271	109	92	19.00	9.0
6605 10W G4 6V	I	271	271	82	6.00	1.0
7387 10W G4 6V	I	271	271	82	6.00	1.0
12429 50W G6.35 22.8V	I	271	271	82	7.00	2.0

More data see next page

Optical & medical equipment Halogen non-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)
5761 30W G4 6V	1	271	271	82	6.00	1.0
13701 110W G6.35 22.8V	1	271	271	82	8.00	3.0
6390 30W G5.3 10.8V	1	271	271	82	12.00	7.0
7027 50W G6.35 12V	1	271	271	81	7.00	2.0
6899 55W G6.35 24V	1	271	271	82	7.00	2.0
14623 95W G6.35 17V	1	271	271	82	9.00	4.0
14623 95W G6.35 17V	1	289	284	145	4.24	3.8
14623P 95W GZ9.5 17V	1	271	271	82	18.00	13.0
6839C 100W PG22 12V	1	271	271	82	12.00	7.0
7023 100W GY6.35 12V	1	271	271	81	7.00	3.0
7724 100W GY6.35 12V	1	271	271	82	7.00	3.0
7724I 100W GY6.35 12V	1	271	271	82	7.00	2.0
5974 150W GZ9.5 24V	1	271	271	82	18.00	13.0
6550 150W G6.35 15V	1	271	271	82	7.00	2.0
7158 150W G6.35 24V	1	271	271	82	9.00	4.0
7158XHP 150W G6.35 24V	1	271	271	82	9.00	4.0
6958 250W G6.35 24V	1	271	271	82	9.00	4.0
6958 250W G6.35 24V	1	163	113	82	9.00	4.0
7748S 250W G6.35 24V	1	271	271	82	10.00	5.0
7748XHP 250W G6.35 24V	1	271	271	82	9.00	4.0
14530 300W GY6.35 24V	1	271	109	92	15.00	6.0
7787 400W G6.35 36V	1	163	113	82	13.00	8.0
7787LL 400W G6.35 36V	1	163	113	82	13.00	8.0
7787XHP 400W GY6.35 36V	1	163	113	82	13.00	8.0

Cap/base



Additional extended technical data

Product name	ANSI Code	LIF Code
7388 20W G4 6V	ESB	M30
14546 20W G4 12V	-	-
12345SL 20W G4 12V	-	-
14531 360W G5.3 82V	EYB	-
6605 10W G4 6V	-	M42
7387 10W G4 6V	ESA/FHD	M29
12429 50W G6.35 22.8V	-	-
5761 30W G4 6V	-	-
13701 110W G6.35 22.8V	-	-
6390 30W G5.3 10.8V	DZA	-
7027 50W G6.35 12V	BRL/BCD	A1/220
6899 55W G6.35 24V	-	-
14623 95W G6.35 17V	-	-
14623P 95W GZ9.5 17V	-	-
6839C 100W PG22 12V	EHE/ETA	A1/45
7023 100W GY6.35 12V	FCR	A1/215
7724 100W GY6.35 12V	EVA	M28
7724I 100W GY6.35 12V	EVA	-
5974 150W GZ9.5 24V	FDS/DZE	A1/262
6550 150W G6.35 15V	EVB/BRJ	A1/234
7158 150W G6.35 24V	FCS	A1/216
7158XHP 150W G6.35 24V	FCS	A1/216
6958 250W G6.35 24V	EVC/FGX	M33
7748S 250W G6.35 24V	EHI	A1/223
7748XHP 250W G6.35 24V	EHI	A1/223
14530 300W GY6.35 24V	FLW	-
7787 400W G6.35 36V	EVD	A1/239
7787LL 400W G6.35 36V	-	-
7787XHP 400W GY6.35 36V	EVD	A1/239

Optical & medical equipment

Halogen non-reflector

Burning position

