2013, July 9
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Halogen non-reflector lamps – high-quality light and easy to use

Halogen non-reflector

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.

Benefits

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

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

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Application

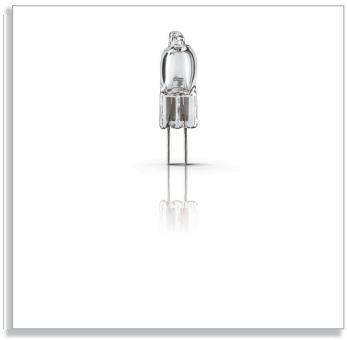
- Studio, film, theatre and disco lighting
- Slide, overhead, profile and 8/16 mm film projectors
- Microscopes
- Optical equipment
- Slide and film viewers
- Surgery lamps
- Microfilm readers
- Dental lamps
- Spectrography

Related products

G5.3

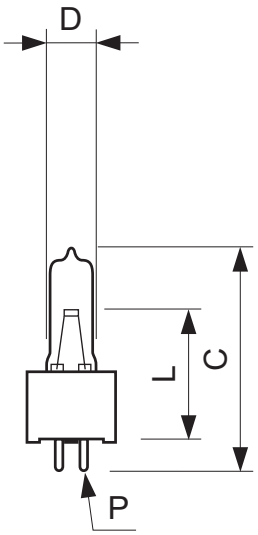
G6.35

GY6.35



G4

Dimensional drawing

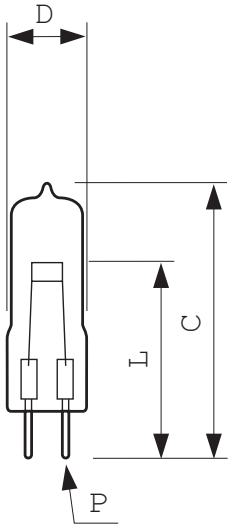


DZA 30W 10.8V

Product	C (Norm)	C (Max)	D (Max)	L (Min)	L (Norm)	L (Max)	P (Min)	P (Norm)	P (Max)

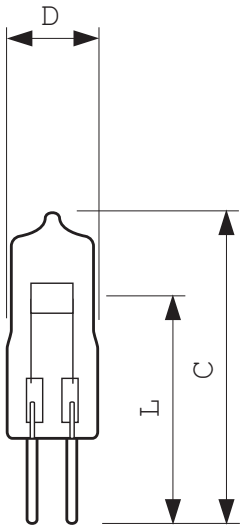
Dimensional drawing

6390 30W G5.3 10.8V	-	-	9	26.75	27	27.25	1.45	1.50	1.55
14531 360W G5.3 82V	-	-	11.5	31.6	31.8	32	1.45	1.50	1.55



FCR 100W 12V

Product	C (Norm)	C (Max)	D (Max)	L (Min)	L (Norm)	L (Max)	P (Min)	P (Norm)	P (Max)
7023 100W GY6.35 12V	-	-	11.5	29.75	30	30.25	1.20	1.25	1.30
7027 50W G6.35 12V	-	-	11.5	29.75	30	30.25	0.95	1	1.05
7158 150W G6.35 24V	-	-	13.5	31.75	32	32.25	0.95	1	1.05
7724 100W GY6.35 12V	-	-	11.5	29.75	30	30.25	1.20	1.25	1.30
7748S 250W G6.35 24V	-	-	13.5	32.75	33	33.25	0.95	1	1.05
6958 250W G6.35 24V	-	-	13.5	32.75	33	33.25	0.95	1	1.05
7748XHP 250W G6.35 24V	-	-	13.5	32.75	33	33.25	0.95	1	1.05
7787XHP 400W G6.35 36V	-	-	18	35.75	36	36.25	0.95	1	1.05
7158XHP 150W G6.35 24V	-	-	13.5	32.75	33	33.25	0.95	1	1.05
14530 300W GY6.35 24V	-	-	13.5	32.75	33	33.25	1.20	1.25	1.30



6605 10W 6V

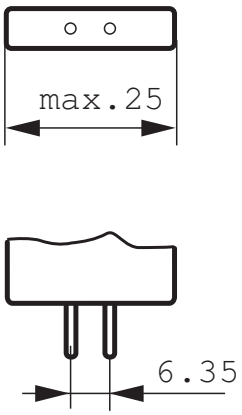
Product	C (Max)	D (Max)	L (Max)
6605 10W G4 6V	31	9	19.75
7387 10W G4 6V	31	9	19.75
7388 20W G4 6V	31	9	19.75
5761 30W G4 6V	31	9	19.75

General Characteristics

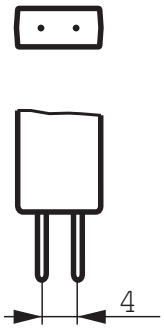
Product number	Full product name	Philips Code	ANSI Code	LIF Code	Cap-Base	Bulb Material	Operating Position	Main Applica-tion	Life to 50% failures
281170	6390 30W G5.3 10.8V 1CT	6390	DZA	-	G5.3	Quartz-UV Open	s90	Projection	1000 hr
232579	14531 360W G5.3 82V 1CT	14531	EYB	-	G5.3	Quartz-UV Open	s90	Projection	75 hr
316273	7027 50W G6.35 12V 1CT	7027	BRL/BCD	A1/220	G6.35	Quartz-UV Open	s90	Projection	50 hr
206078	7158 150W G6.35 24V 1CT	7158	FCS	A1/216	G6.35	Quartz-UV Open	s90	Projection	50 hr
317586	7748S 250W G6.35 24V 1CT	7748S	EHJ	A1/223	G6.35	Quartz-UV Open	s90	Projection	50 hr
318840	6958 250W G6.35 24V 1CT	6958	EVC/FGX	M33	G6.35	Quartz-UV Open	s90	Projection	300 hr
231753	7748XHP 250W G6.35 24V 1CT	7748XHP	EHJ	A1/223	G6.35	Quartz-UV Open	s90	Projection	50 hr
231779	7787XHP 400W GY6.35 36V 1CT	7787XHP	EVD	A1/239	G6.35	Quartz-UV Open	s90	Projection	50 hr
231746	7158XHP 150W G6.35 24V 1CT	7158XHP	FCS	A1/216	G6.35	Quartz-UV Open	s90	Projection	40 hr
261016	7023 100W GY6.35 12V 1CT	7023	FCR	A1/215	GY6.35	Quartz-UV Open	s90	Projection	50 hr
256768	7724 100W GY6.35 12V 1CT	7724	EVA	M28	GY6.35	Quartz-UV Open	s90	Projection	2000 hr
204925	14530 300W GY6.35 24V 1CT	14530	FLW	-	GY6.35	Quartz-UV Open	s5	Projection	50 hr
256842	6605 10W G4 6V 1CT	6605	-	M42	G4	Quartz-UV Open	any	Projection	2000 hr
261263	7387 10W G4 6V 1CT	7387	ESA/FHD	M29	G4	Quartz-UV Open	any	Projection	100 hr
256784	7388 20W G4 6V 1CT	7388	ESB	M30	G4	Quartz-UV Open	any	Projection	100 hr
257139	5761 30W G4 6V 1CT	5761	-	-	G4	Quartz-UV Open	any	Projection	100 hr

Installation diagrams

G5.3



G6.35



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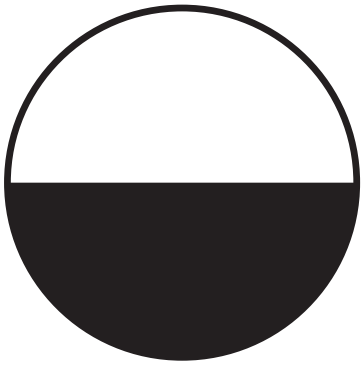
Installation diagrams



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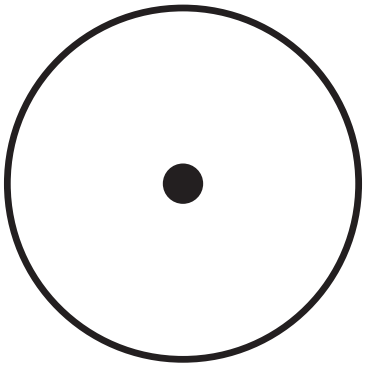

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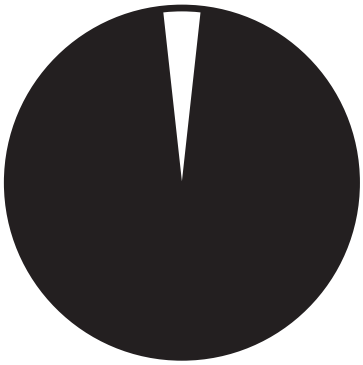

s5

Light Technical Characteristics

Product number	Full product name	Color Rendering Index	Luminous Flux Lamp EM
281170	6390 30W G5.3 10.8V 1CT	100 Ra8	-
232579	14531 360W G5.3 82V 1CT	100 Ra8	-
316273	7027 50W G6.35 12V 1CT	100 Ra8	-
206078	7158 150W G6.35 24V 1CT	100 Ra8	-
317586	7748S 250W G6.35 24V 1CT	100 Ra8	-
318840	6958 250W G6.35 24V 1CT	100 Ra8	-
231753	7748XHP 250W G6.35 24V 1CT	100 Ra8	-
231779	7787XHP 400W GY6.35 36V 1CT	100 Ra8	-
231746	7158XHP 150W G6.35 24V 1CT	100 Ra8	-
261016	7023 100W GY6.35 12V 1CT	100 Ra8	-
256768	7724 100W GY6.35 12V 1CT	100 Ra8	-
204925	14530 300W GY6.35 24V 1CT	100 Ra8	-
256842	6605 10W G4 6V 1CT	100 Ra8	150 Lm
261263	7387 10W G4 6V 1CT	100 Ra8	205 Lm
256784	7388 20W G4 6V 1CT	100 Ra8	475 Lm
257139	5761 30W G4 6V 1CT	100 Ra8	765 Lm

Electrical Characteristics

Product number	Full product name	Watts	Voltage
281170	6390 30W G5.3 10.8V 1CT	30 W	10.8 V
232579	14531 360W G5.3 82V 1CT	360 W	82 V
316273	7027 50W G6.35 12V 1CT	50 W	12 V
206078	7158 150W G6.35 24V 1CT	150 W	24 V
317586	7748S 250W G6.35 24V 1CT	250 W	24 V
318840	6958 250W G6.35 24V 1CT	250 W	24 V
231753	7748XHP 250W G6.35 24V 1CT	250 W	24 V
231779	7787XHP 400W GY6.35 36V 1CT	400 W	36 V
231746	7158XHP 150W G6.35 24V 1CT	150 W	24 V
261016	7023 100W GY6.35 12V 1CT	100 W	12 V
256768	7724 100W GY6.35 12V 1CT	100 W	12 V
204925	14530 300W GY6.35 24V 1CT	300 W	24 V
256842	6605 10W G4 6V 1CT	10 W	6 V
261263	7387 10W G4 6V 1CT	10 W	6 V
256784	7388 20W G4 6V 1CT	20 W	6 V
257139	5761 30W G4 6V 1CT	30 W	6 V

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