



# 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

**PHILIPS**

## 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



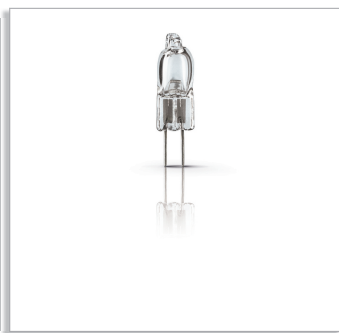
GY6.35



G6.35

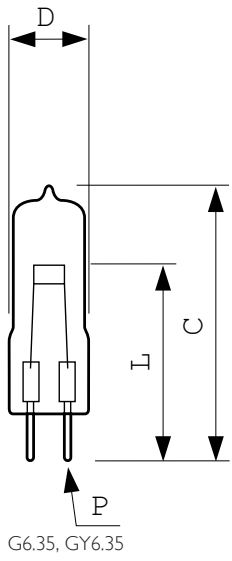


G4



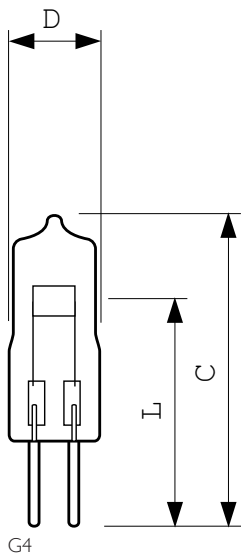
G4

Dimensional drawing



7158XHP 150W G6.35 24V

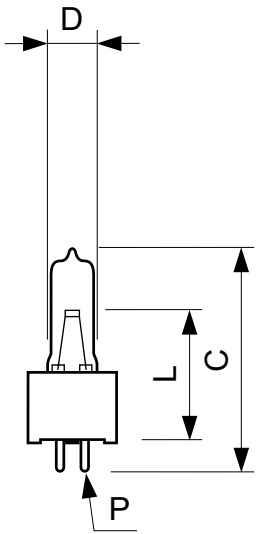
Product	D	L	L	L	P	P	P	C (max)
7158XHP 150W G6.35 24V 1CT/10X10F	11.5 mm	31.5 mm	32 mm	32 mm	1.05 mm	1 mm	0.95 mm	50 mm



6605 10W G4 6V

Product	D	L	C
6605 10W G4 6V 1CT/10X10F	9.5 mm	19.75 mm	31 mm

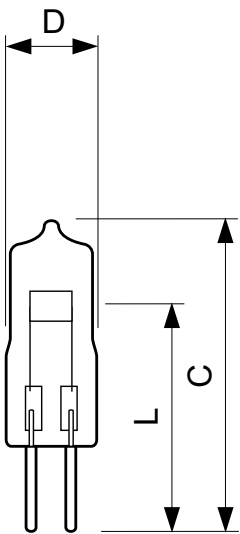
Dimensional drawing



G5.3

6390 30W G5.3 10.8V

Product	D	L	L	L	P	P	P	C (max)
6390 30W G5.3 10.8V 1CT/10X10F	8.5 mm	26.75 mm	27.25 mm	27 mm	1.65 mm	1.56 mm	1.47 mm	44 mm
6390 30W G5.3 10.8V 1CT/24	8.5 mm	26.75 mm	27.25 mm	27 mm	1.65 mm	1.56 mm	1.47 mm	44 mm



G4

12345SL 20W G4 12V

Product	D	L	L	L	C	P	P	P
12345SL 20W G4 12V 1CT	8.5 mm	19.25 mm	19.75 mm	19.5 mm	30 mm	0.75 mm	0.7 mm	0.65 mm
12345SL 20W G4 12V 1CT/24	8.5 mm	19.25 mm	19.75 mm	19.5 mm	30 mm	0.75 mm	0.7 mm	0.65 mm

## General Information

order code	Ansi Code	Cap-Base	LIF Code	Life To 50% Failures (Nom)	Main Application	Operating Position	Philips Code
281170	DZA	G5.3	-	1000	Projection	Base Down +/- 90 D	6390
232579	EYB	G5.3	-	75	Projection	Base Down +/- 90 D	14531
261016	FCR	GY6.35	A1/215	50	Projection	Base Down +/- 90 D	7023
256768	EVA	GY6.35	M28	2000	Projection	Base Down +/- 90 D	7724
204925	FLW	GY6.35	-	50	Projection	Base Down +/- 90 D	14530
316273	BRL-BCD	G6.35	A1/220	50	Projection	Base Down +/- 90 D	7027
206078	FCS	G6.35	A1/216	50	Projection	Base Down +/- 90 D	7158
795765	EVC-FGX	G6.35	M33	300	Projection	Base Down +/- 90 D	6958
231753	EHJ	G6.35	A1/223	50	Projection	Base Down +/- 90 D	7748XHP
231779	EVD	G6.35	A1/239	50	Projection	Base Down +/- 90 D	7787XHP
231746	FCS	G6.35	A1/216	40	Projection	Base Down +/- 90 D	7158XHP
158816	-	G6.35	-	2000	Projection	Base Down +/- 90 D	14623
256842	-	G4	M42	2000	Projection	Universal	6605
261263	ESA	G4	M29	100	Projection	Base Down +/- 90 D	7387
256784	ESB	G4	M30	100	Projection	Universal	7388
257139	-	G4	-	100	Projection	Universal	5761
261974	-	G4	-	100	Projection	Universal	12345SL

## Light Technical

order code	Correlated Color Temperature (Nom)	Color Rendering Index (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
281170	3100	100	-	570
232579	3300	100	-	10000
261016	3450	100	-	3600
256768	3300	100	-	2800
204925	3500	100	-	10450
316273	3350	100	-	1600
206078	3450	100	-	5200
795765	3400	100	-	9000
231753	3550	100	-	10000
231779	3250	100	-	16000
231746	3450	100	-	6000
158816	3050	-	-	2150
256842	2700	100	150	-
261263	3200	100	200	-
256784	3350	100	460	-
257139	3200	100	765	-
261974	3100	100	-	640

## Operating and Electrical

order code	Voltage (Nom)	Power (Rated) (Nom)
281170	10.8	30
232579	82	360
261016	12	100
256768	12	100

order code	Voltage (Nom)	Power (Rated) (Nom)
204925	24	300
316273	12	50
206078	24	150
795765	24	250
231753	24	250
231779	36	400
231746	24	150
158816	17	95
256842	6	10
261263	6	10
256784	6	20
257139	6	30
261974	12	20

## Mechanical and Housing

order code	Bulb Material	Filament Shape
281170	Quartz-UV Open	Flat
232579	Quartz-UV Open	Flat
261016	Quartz-UV Open	Flat
256768	Quartz-UV Open	Flat
204925	Quartz-UV Open	Flat
316273	Quartz-UV Open	Flat
206078	Quartz-UV Open	Flat
795765	Quartz-UV Open	Flat
231753	Quartz-UV Open	Flat
231779	Quartz-UV Open	Flat

order code	Bulb Material	Filament Shape
231746	Quartz-UV Open	Flat
158816	Quartz-UV Open	Flat
256842	Quartz-UV Open	-
261263	Quartz-UV Open	-

order code	Bulb Material	Filament Shape
256784	Quartz-UV Open	-
257139	Quartz-UV Open	-
261974	Quartz-UV Open	-



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data subject to change